Hackathon Showcase

14th Aug - 19th Aug 2023

WIKIMANIA
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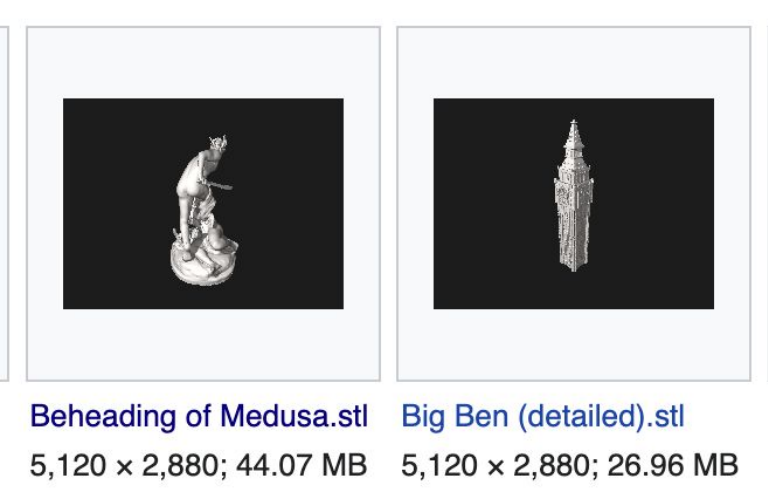
User Script to add 3D Models in Commons action menu

By Gopavasanth

WIKIMANIA SINGAPORE | 19/08/2023

Category:3D_models

https://commons.wikimedia.org/wiki/Category:3D_models



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Wikimedia Commons

a collection of 96,249,942 freely usable media files to which anyone can contribute

Images Sounds Videos 3D Models Upload

Wikimedia Commons Menu of Action Items

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Gopavasanth

Script

Link:
https://commons.wikimedia.org/wiki/User:Gopavasanth/UserScripts/3DModels.js

User:Gopavasanth/UserScripts/3DModels.js

From Wikimedia Commons, the free media repository
< User:Gopavasanth

Note: After saving, you have to bypass your browser's cache to see the changes. **Internet Explorer:** press *Ctrl-F5*, **Mozilla:** hold down *Shift* while clicking *Reload* (or press *Ctrl-Shift-R*), **Opera/Konqueror:** press *F5*, **Safari:** hold down *Shift + Alt* while clicking *Reload*, **Chrome:** hold down *Shift* while clicking *Reload*.

Documentation for this user script can be added at User:Gopavasanth/UserScripts/3DModels.

```
// This user script adds 3D Models button after Videos on Wikimedia Commons which will help navigate users to 3D Models on Commons.

 $(document).ready(function() {
        var newLi = document.createElement('li');
        var newLink = document.createElement('a');
        newLink.href = '/wiki/Category:3D_models';
        newLink.title = 'Category:3D models';
        newLink.textContent = '3D Models';
        newLi.appendChild(newLink);

        var mainpageActions = document.querySelector('.mainpage-actions');
        if (mainpageActions) {
            var ul = mainpageActions.querySelector('ul');
            if (ul) {
                var videosLi = ul.querySelector('li > a[href="/wiki/Category:Videos"]');
                if (videosLi) {
                    ul.insertBefore(newLi, videosLi.parentNode.nextSibling);
                }
            }
```

WIKIMANIA SINGAPORE | Gopavasanth

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ToolWatch - Health Monitoring tool

Helps to monitor web services health on toolforge

WIKIMANIA SINGAPORE

By Gopavasanth, Sohom and Varun

ToolWatch

ToolWatch — Refresh

Name	Tool URL	Health Status	Last check
toolforge.fredrikas-lupp	toolforge.fredrikas-lupp.toolforge.org	Available	2023-08-08T12:27:55.700Z
toolforge.daselab	toolforge.daselab.toolforge.org	Unavailable	2023-08-08T12:27:55.635Z
toolforge.cluebotng-api	toolforge.cluebotng-api.toolforge.org	Unavailable	2023-08-08T12:27:55.338Z
toolforge.lkftools	toolforge.lkftools.toolforge.org	Available	2023-08-08T12:27:55.701Z
toolforge.shex-author	toolforge.shex-author.toolforge.org	Available	2023-08-08T12:27:55.604Z
toolforge.sprint	toolforge.sprint.toolforge.org	Unavailable	2023-08-08T12:27:55.282Z
toolforge.inkpen	toolforge.inkpen.toolforge.org	Available	2023-08-08T12:27:55.976Z
pub	pub.toolforge.org	Available	2023-08-08T12:27:55.896Z
toolforge.lokasbot3	toolforge.lokasbot3.toolforge.org	Available	2023-08-08T12:27:55.981Z
toolforge.firmenbuch	toolforge.firmenbuch.toolforge.org	Available	2023-08-08T12:27:56.430Z

Previous Next

ToolWatch

Tool: https://tool-watch.toolforge.org/ - Live Now!

Github: https://github.com/gopavasanth/ToolWatch

Phab: T341379

ToolWatch

```python
async def aysnc_ping_every_30_minutes():
    engine = create_engine('sqlite:///tools.db')
    SessionInit = sessionmaker(bind=engine)
    session = SessionInit()
    tools = session.query(Tool).all()
    urls = []
    print("Checking health status of tools")
    for t in tools:
        urls.append(t.url)
    print('Gathered urls')
    loop = asyncio.get_event_loop()
    futures = [loop.run_in_executor(None, sync_get, url) for url in urls]
    print(f'Gathering results for {len(futures)} urls')
    results = await asyncio.gather(*futures)
    print('Gathered results')
    for tool in tools:
        result = results.pop(0)
        tool.health_status = result
        tool.last_checked = datetime.datetime.now()
        session.add(tool)
    session.commit()

def ping_every_30_minutes():
    asyncio.run(aysnc_ping_every_30_minutes())


if __name__ == '__main__':
    Base.metadata.create_all(engine)
    fetch_and_store_data()
    scheduler = Scheduler()
    scheduler.add_job(id='Scheduled task', func=ping_every_30_minutes, trigger='interval', minutes=30)
    scheduler.start()
    app.run(debug=True)
```

Every 30mins!

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Wikisource text annotator

Link words in public domain texts to Wikidata

WIKIMANIA SINGAPORE

Mahir256 and Bodhisattwa

Annotator js

https://bn.wikisource.org/s/hqx2

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ব্যবহারকারী:Mahir256/annotator.js

2023-08-14-এর পর থেকে ৪৯টি সংস্করণ (+৬ ঘণ্টা), ১ জন সম্পাদক, ১৪২ বার পরিদর্শিত হয়েছে (৩০ দিন), তৈরি করেছেন
< ব্যবহারকারী:Mahir256

টীকা: সংরক্ষণ করার পর, পরিবর্তনসমূহ তৎক্ষণাৎ নাও দেখাতে পারে। আপনার ব্রাউজারের ক্যাশ কিভাবে

```
mw.loader.using( 'oojs-ui' ).done( function () {
$( function () {
    importStylesheet('ব্যবহারকারী:Mahir256/annotator.css');
    function getCurrentlySelectedText() {
        var text = "";
        if (window.getSelection) {
            text = window.getSelection().toString();
        } else if (document.selection && document.selection.type != "Control") {
            text = document.selection.createRange().text;
        }
        return text;
    }

    function getSelectionRange() {
        var range, sel, container, outputElem;
        if (document.selection) {
            range = document.selection.createRange();
            range.collapse(isStart);
        } else {
            sel = window.getSelection();
            if (sel.getRangeAt) {
                if (sel.rangeCount > 0) {
                    range = sel.getRangeAt(0);
                }
            } else {
                // Old WebKit
                range = document.createRange();
```

What does it do?

- Fetch a list of Wikidata labels for selected word(s) from Wikisource.
- After selecting the correct Wikidata entity, users can link the QID with the word(s).

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Features

- Work on both NS:0 and page namespaces
- Work on reading interface without having to click edit button
- Options for both single linking or batch linking of same word(s)
- LInk with Wikisource, Wikipedia, Commons and Reasonator
- Skip headers and footers
- Skip previous links

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Find entities to annotate

এম. জি. মুলকর

আজাদী সৈনিকের ডায়েরী

অজ্ঞাত অনূদিত
১৯৪৫ (পৃ. ১৭-১৮)

রেঙ্গুনে জাপানী আক্রমণ | বোমা বর্ষণ ও তাহার ফল ►

[১৭]

আজাদী ফোজের

সৈনিকের ডায়েরী

৮ই ডিসেম্বর ১৯৪১: রেঙ্গুন:

জাপান গতকল্য অতর্কিতে পার্ল্ হারবার আক্রমণ করিয়াছে জাপানের যুদ্ধে যোগদান সম্বন্ধে যে সন্দেহ ছিল তাহা সত্য হইল। জাপান ও পার্ল্ হার্বার ব্রহ্ম হইতে অনেকদূর। যুদ্ধের ফলে আমার অসুবিধা জাপানী মালের কারবার বন্ধ।

৯ই ডিসেম্বর ১৯৪১:

আজকার সংবাদ খারাপ। জাপানীরা থাইল্যাণ্ডে প্রবেশ করিতেছে। বার্মাই কি তাহাদের লক্ষ্য?

রেঙ্গুনে আজ ভয়ানক চাঞ্চল্য। ভারতীয়দের মধ্যে একটা ভীষণ আতঙ্কের ভাব। জাহাজ কোম্পানির অফিসের সামনে জনসমুদ্র—সকলেই টিকিট কিনিতে চায়।

আমার অফিসের কেরাণী নায়ার নোটিশ দিল—জাহাজে স্থান পাইলেই দেশে ফিরিবে।

বাজারে অনেক টাকা বাকি পড়িয়াছে—সে হঠাৎ গেলে এই সব টাকা আদায় করে কে?

নায়ার বলিল—'প্রাণ আগে; আপনার টাকা আদায়ের জন্য আমি মরিতে পারিব না!'

[১৮] ১৮ই ডিসেম্বর ১৯৪১:

কেদা ও পেনাংএর পতন হইয়াছে।

জাপানীদের লক্ষ্য সম্ভবত সিঙ্গাপুর—বার্মা নয়। সিঙ্গাপুর দুর্ভেদ্য বন্দর; জাপানীদের সাধ্য নয় তাহা দখল করা। রেঙ্গুন আক্রমণের আশঙ্কার ভার মন হইতে অনেকটা নামিয়া গেল।

পৃষ্ঠার উপরে ফিরে যান | বোমা বর্ষণ ও তাহার ফল ►

Click the annotator button

এম. জি. মুলকর

আজাদী সৈনিকের ডায়েরী

অজ্ঞাত অনূদিত
১৯৪৫ (পৃ. ১৭-১৮)

রেঙ্গুনে জাপানী আক্রমণ | বোমা বর্ষণ ও তাহার ফল ►

[১৭]

আজাদী ফোজের

সৈনিকের ডায়েরী

৮ই ডিসেম্বর ১৯৪১: রেঙ্গুন:

জাপান গতকল্য অতর্কিতে পার্ল্ হারবার আক্রমণ করিয়াছে জাপানের যুদ্ধে যোগদান সম্বন্ধে যে সন্দেহ ছিল তাহা সত্য হইল। জাপান ও পার্ল্ হার্বার ব্রহ্ম হইতে অনেকদূর। যুদ্ধের ফলে আমার অসুবিধা জাপানী মালের কারবার বন্ধ।

৯ই ডিসেম্বর ১৯৪১:

আজকার সংবাদ খারাপ। জাপানীরা থাইল্যাণ্ডে প্রবেশ করিতেছে। বার্মাই কি তাহাদের লক্ষ্য?

রেঙ্গুনে আজ ভয়ানক চাঞ্চল্য। ভারতীয়দের মধ্যে একটা ভীষণ আতঙ্কের ভাব। জাহাজ কোম্পানির অফিসের সামনে জনসমুদ্র—সকলেই টিকিট কিনিতে চায়।

আমার অফিসের কেরাণী নায়ার নোটিশ দিল—জাহাজে স্থান পাইলেই দেশে ফিরিবে।

বাজারে অনেক টাকা বাকি পড়িয়াছে—সে হঠাৎ গেলে এই সব টাকা আদায় করে কে?

নায়ার বলিল—'প্রাণ আগে; আপনার টাকা আদায়ের জন্য আমি মরিতে পারিব না!'

[১৮] ১৮ই ডিসেম্বর ১৯৪১:

কেদা ও পেনাংএর পতন হইয়াছে।

জাপানীদের লক্ষ্য সম্ভবত সিঙ্গাপুর—বার্মা নয়। সিঙ্গাপুর দুর্ভেদ্য বন্দর; জাপানীদের সাধ্য নয় তাহা দখল করা। রেঙ্গুন আক্রমণের আশঙ্কার ভার মন হইতে অনেকটা নামিয়া গেল।

পৃষ্ঠার উপরে ফিরে যান | বোমা বর্ষণ ও তাহার ফল

Find the correct Wikidata item

এম. জি. মুলকর

আজাদী সৈনিকের ডায়েরী

অজ্ঞাত অনূদিত

১৯৪৫ (পৃ. ১৭-১৮)

বোমা বর্ষণ ও তাহার ফল ►

[১৭]

৮ই ডিসেম্বর ১৯৪১: রেঙ্গুন:

জাপান গতকল্য অতর্কিতে পার্ল্ হারবার ন ও পার্ল্ হার্বার ব্রক্ষ হইতে অনেকদূর। যুদ্ধের ফলে আমার অসুবিধা জাপানী মালের কারবার বন্ধ।

৯ই ডিসেম্বর ১৯৪১:

আজকার সংবাদ খারাপ। জাপানীরা থাইল

রেঙ্গুনে আজ ভয়ানক চাঞ্চল্য। ভারতীয়দে ই টিকিট কিনিতে চায়।

আমার অফিসের কেরাণী নায়ার নোটিশ

বাজারে অনেক টাকা বাকি পড়িয়াছে—সে

নায়ার বলিল—'প্রাণ আগে; আপনার টাকা

[১৮] ১৮ই ডিসেম্বর ১৯৪১:

কেদা ও পেনাংএর পতন হইয়াছে।

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পৃষ্ঠার উপরে ফিরে যান

বোমা বর্ষণ ও তাহার ফল ►

বাতিল | টীকাকারী | টীকা দেন

সিঙ্গাপুর

সিঙ্গাপুর
1960 film directed by Shakti Samanta

সিঙ্গাপুরের জাতীয় বিশ্ববিদ্যালয়
autonomous research university in Singapore

সিঙ্গাপুর
দক্ষিণ-পূর্ব এশিয়ার একটি দ্বীপরাষ্ট্র

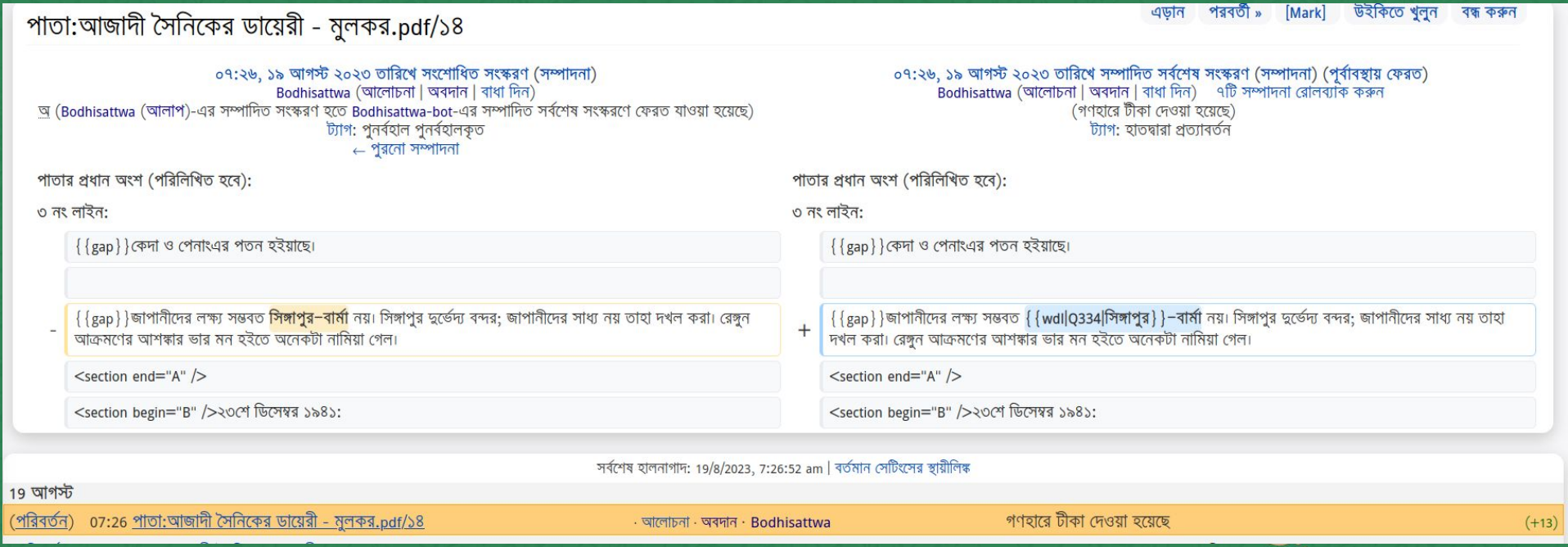
সিঙ্গাপুর চাঙ্গি বিমানবন্দর
সিঙ্গাপুরের প্রধান আন্তর্জাতিক বিমানবন্দর

সিঙ্গাপুর জাতীয় ফুটবল দল
national association football team

গণহারে টীকা দেন

Confirm annotation

Confirm annotation



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Future plans

- Pop-up screen with Reasonator summary while hovering over such links

4
WIKIMANIA
SINGAPORE

Generating Mobile Apps using Wikidata and Kiwix

Hackathon Showcase session

WIKIMANIA SINGAPORE

Emmanuel Engelhart (User:Kelson)
Yamen Bousrih (User:Yamen)

KIWIX

Kiwix is a free and open-source offline web browser created by Emmanuel Engelhart and Renaud Gaudin in 2007. It was first launched to allow offline access to Wikipedia, but has since expanded to include other projects from the Wikimedia Foundation, public domain texts from Project Gutenberg, many of the Stack Exchange sites, and many other resources. Available in more than 100 languages, Kiwix has been included in several high-profile projects, from smuggling operations in North Korea and encyclopedic access in Cuba to Google Impact Challenge's recipient Bibliothèques Sans Frontières.

Src: https://en.wikipedia.org/wiki/Kiwix

The other Kiwix guy CC-BY-SA-4.0

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ZIM Files

The ZIM file format is an open file format that stores wiki content for offline usage.Its primary focus is the contents of Wikipedia and other Wikimedia projects. The format allows for the compression of articles. ZIM file can also contain full-text search indices and other auxiliary files.

In addition to the open file format, the openZIM project provides support for an open-source ZIM reader called Kiwix.

ZIM stands for "Zeno IMproved", as it replaces the earlier Zeno file format. Its file compression uses LZMA2, as implemented by the xz-utils library, and, more recently, Zstandard. The openZIM project is sponsored by Wikimedia CH, and supported by the Wikimedia Foundation.

The other Kiwix guy CC-BY-SA-4.0

Src: https://en.wikipedia.org/wiki/ZIM_(file_format)

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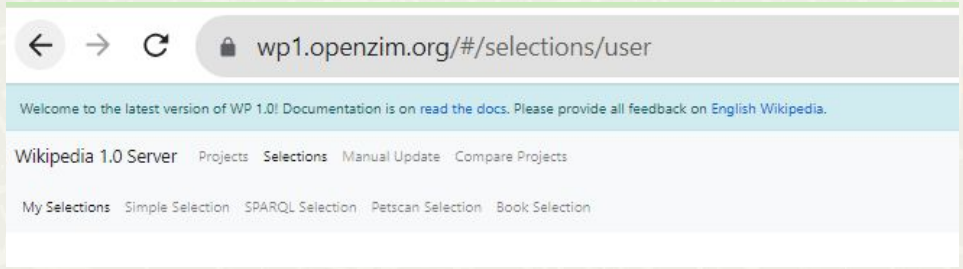
Wikipedia 1.0 Server https://wp1.openzim.org/

WP1 server is a free and open-source tool developed by KIWIX and funded by WIKIMEDIA CH. It allows the generation of zim files based on a selection of Wikipeida articles.

The selection can be done from:

- Manual list (Simple Selection)
- SPARQL Query
- Petscan Selection
- Book Selection (using the Wiki extension BookCreator)



The other Kiwix guy CC-BY-SA-4.0

WIKIMANIA SINGAPORE

Showcase

Generation of a Mobile Application for the Museum of Bardo in Tunisia in 3 Clicks

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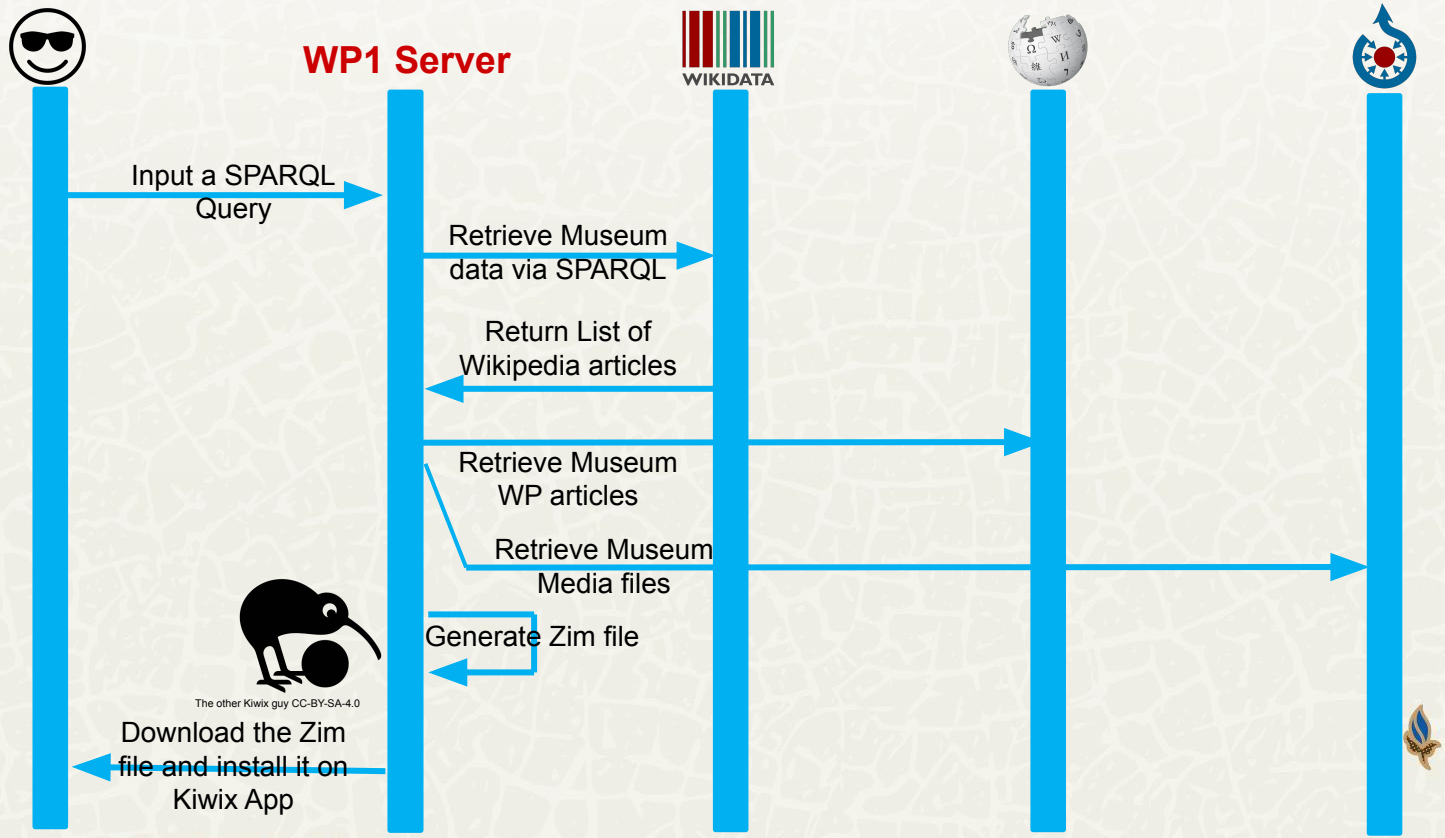
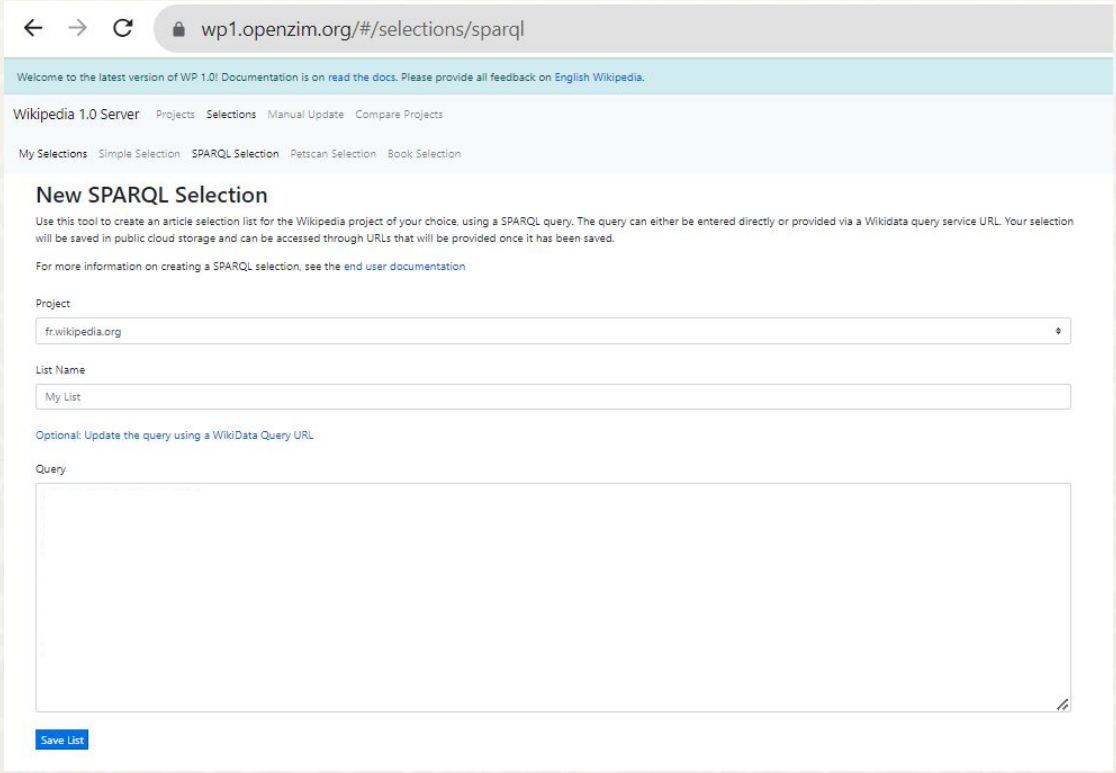


The other Kiwix guy CC-BY-SA-4.0

WIKIMANIA SINGAPORE

STEP 1 : SPARQL Selection



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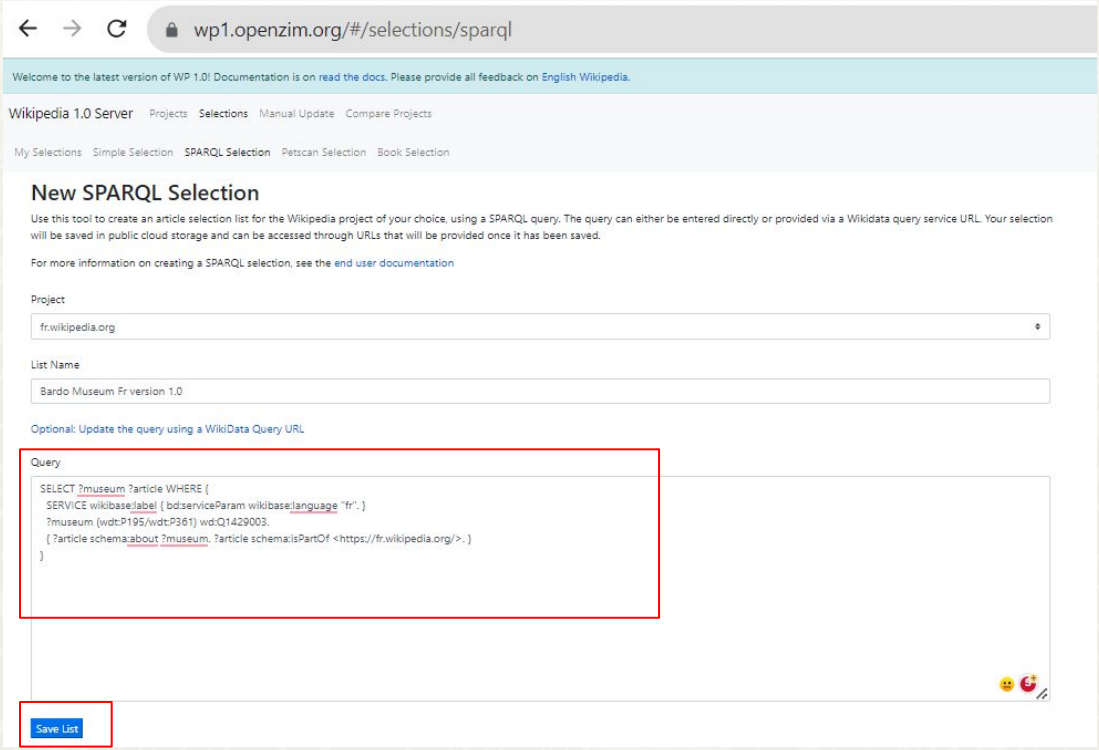
STEP 1 : SPARQL Selection



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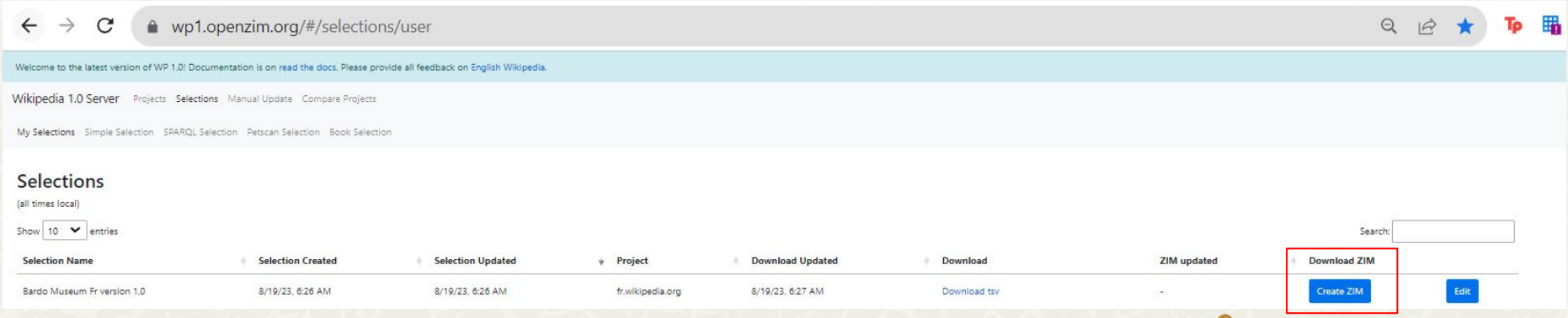
STEP 2: ZIM Generation



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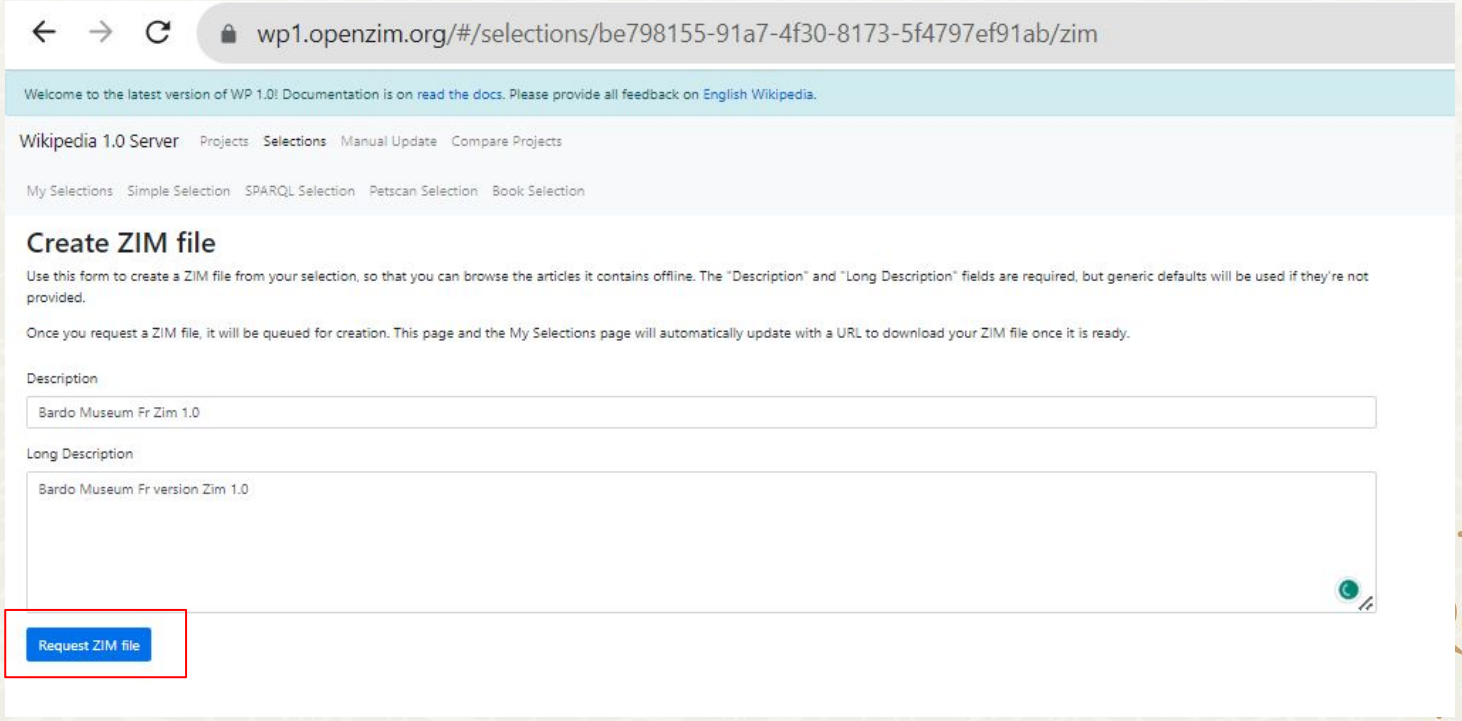
STEP 2: ZIM Generation



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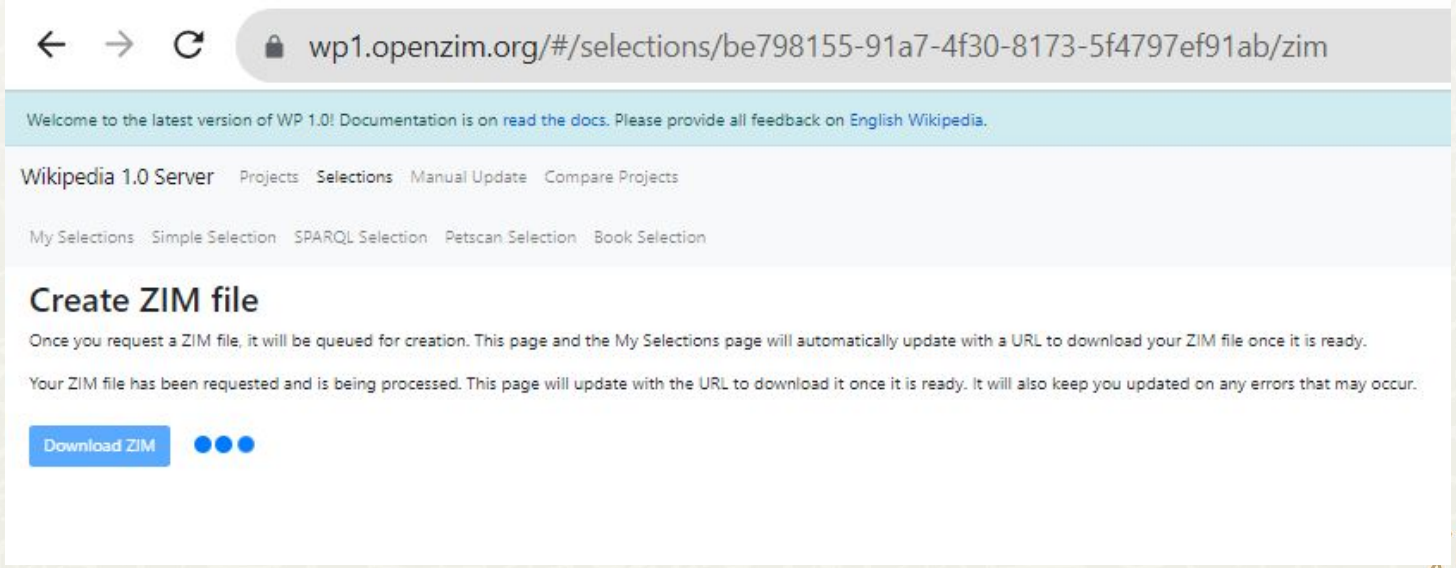
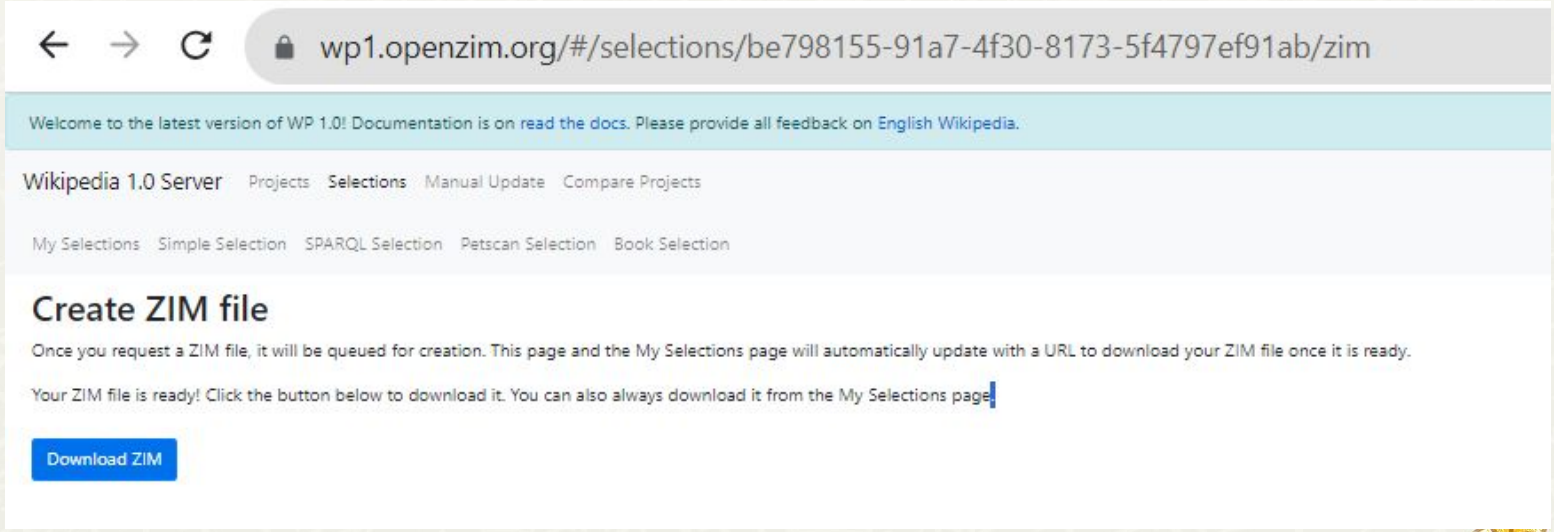
STEP 2: ZIM Generation



STEP 3: ZIM Download



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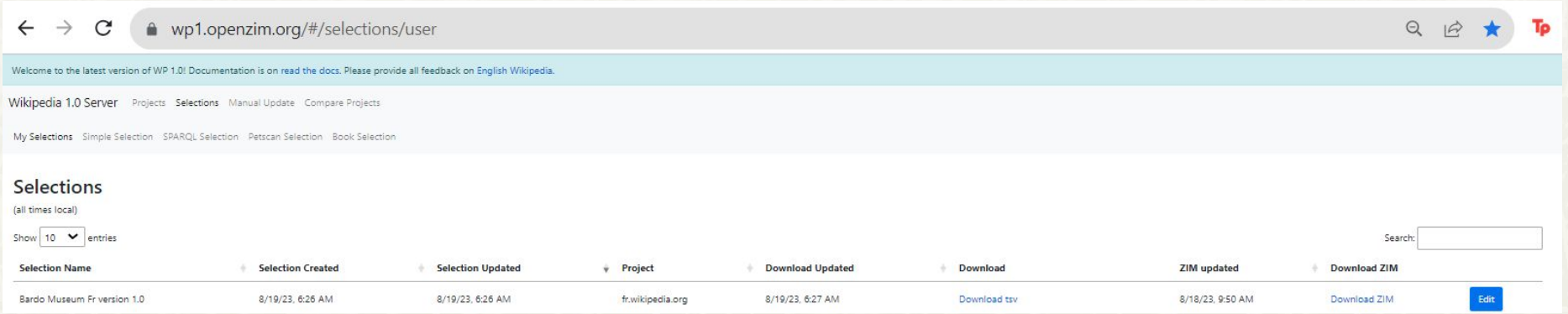
STEP 3: ZIM Download



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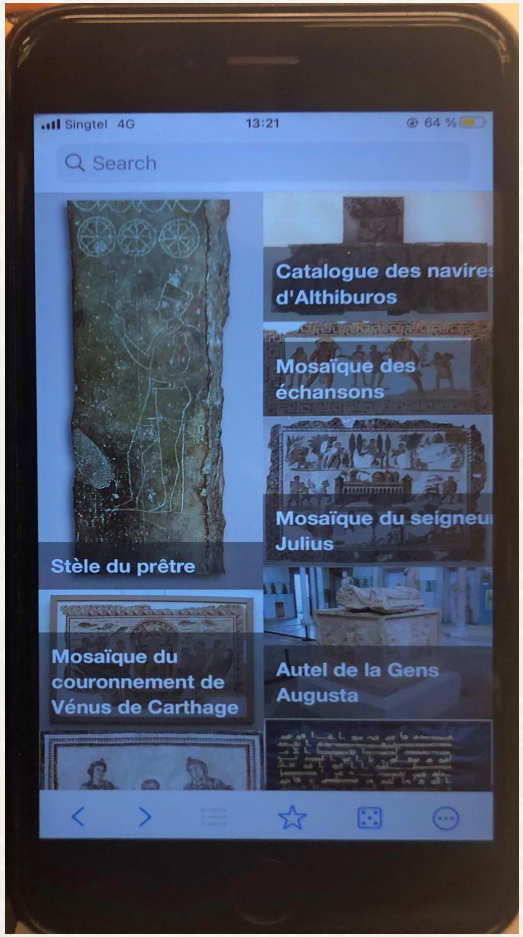
STEP 4: ZIM Installation in KIWIX Mobile APP



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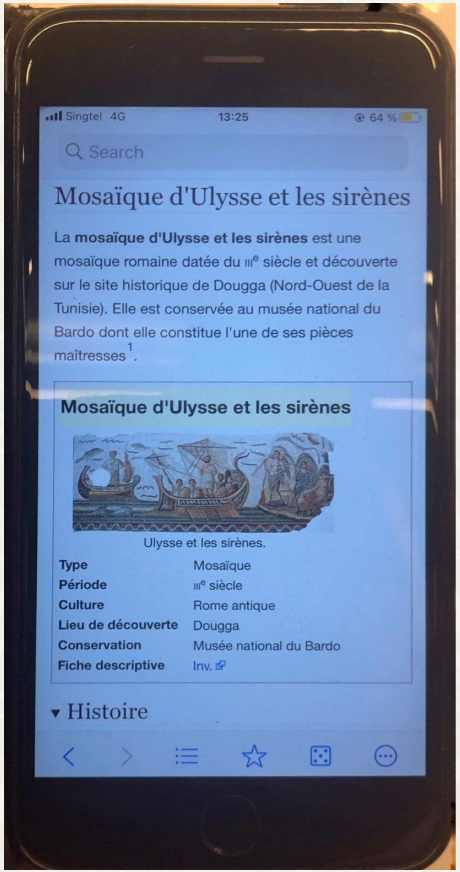
STEP 4: ZIM Installation in KIWIX Mobile APP



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Future Projects

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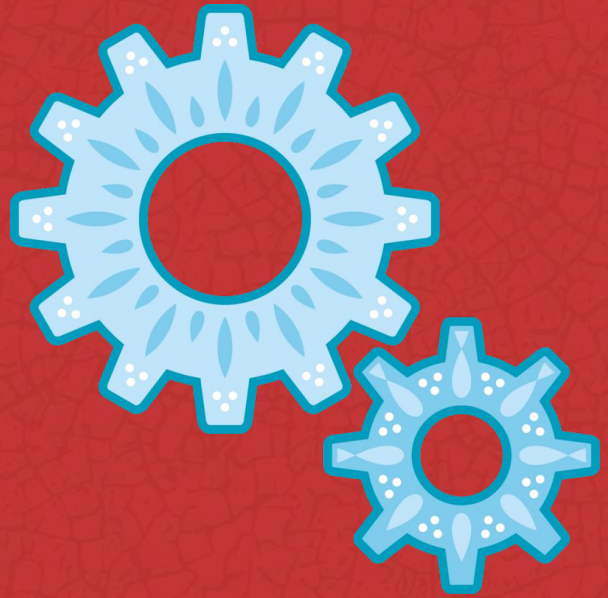
MAKUMBUSHO

Online Platform to generate mobile applications for museums



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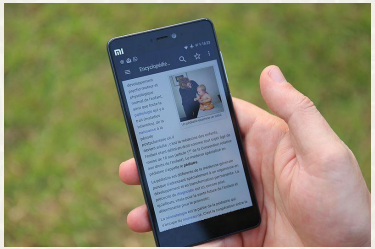
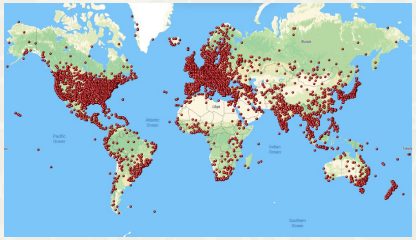
Virgil mosaic in the Bardo National Museum. CC-BY-SA-2.0 by Boyd Dwyer

A mobile Application for Museums using Wiki Projects

 Imagine that it's possible to generate automatically a multilingual mobile application for a museum based on content from Wikipedia, Wikidata and Commons!



ZMcCune (WMF) CC-BY-SA-4.0



World museums map. Jkan997 CC-BY-SA-4.0

Makumbusho!

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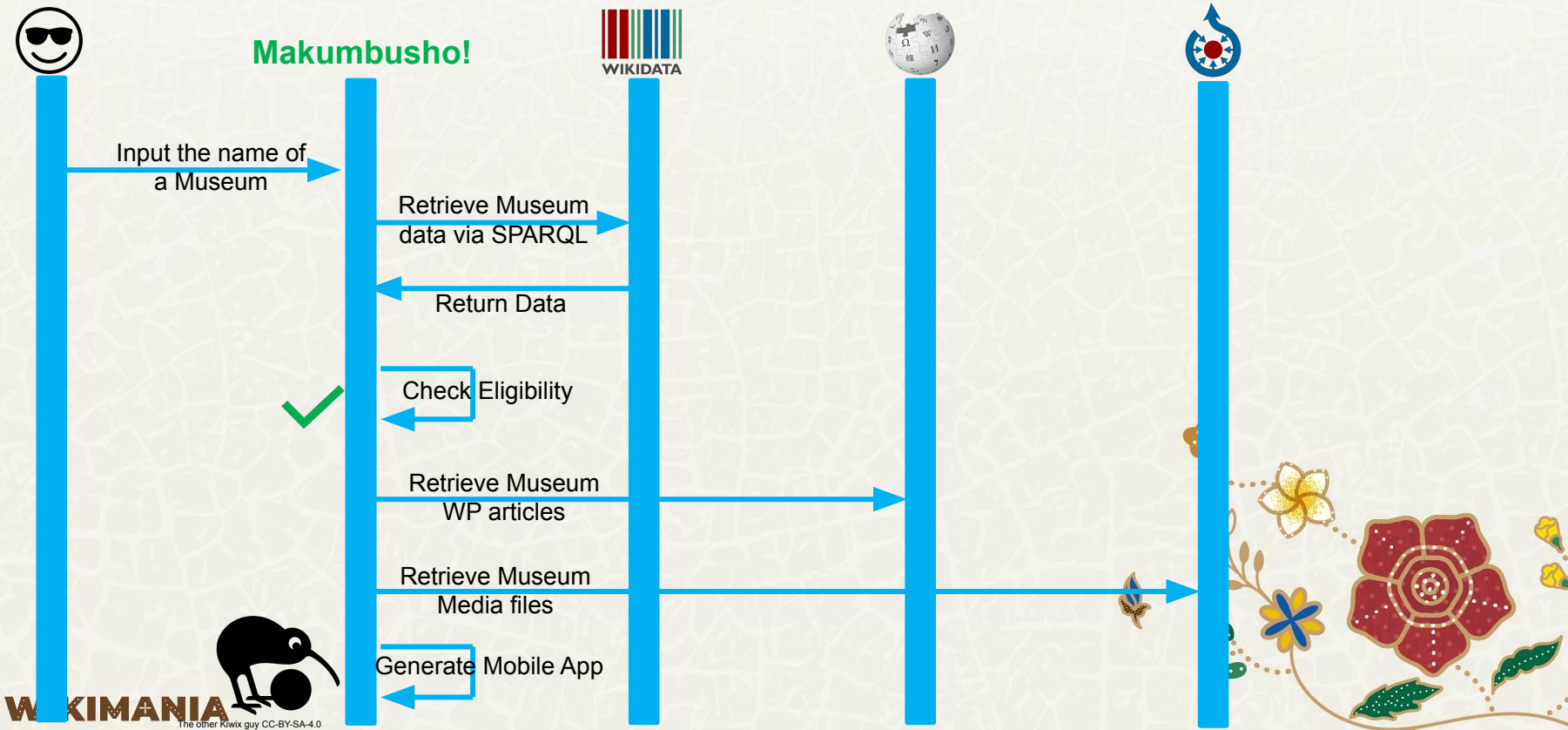
Mosaic of the winged Victory. Ad Meskens CC-BY-SA-3.0

A mobile Application for Museums using Wiki Projects



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The other Kiwix guy CC-BY-SA-4.0

A mobile Application for Museums using Wiki Projects

Find funding for the project

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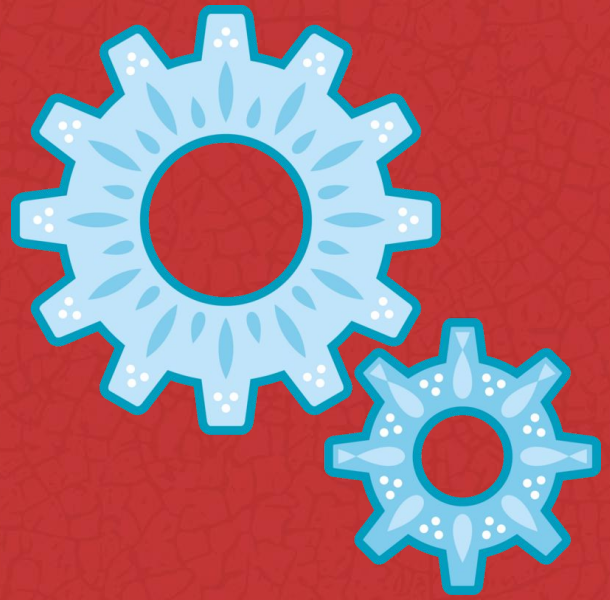
KIWIX4EDUCATION



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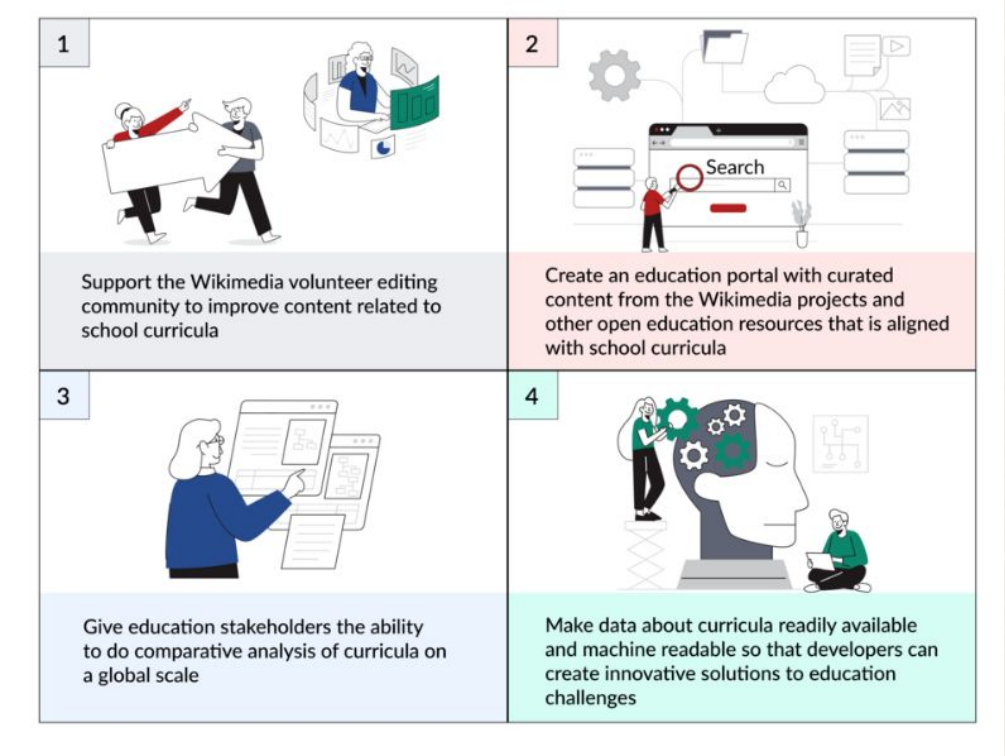
Generation of a Mobile Applications for Education based on the Wikimedia Project Wikidata For Eductaion

WIKIMEDIA
EDUCATION

Wikidata For Education WD4E

WIKIMEDIA EDUCATION



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Digitizing Curricula Used Cases CC-BY-SA-4.0 by VHargyono (WMF)

Wikidata For Education WD4E

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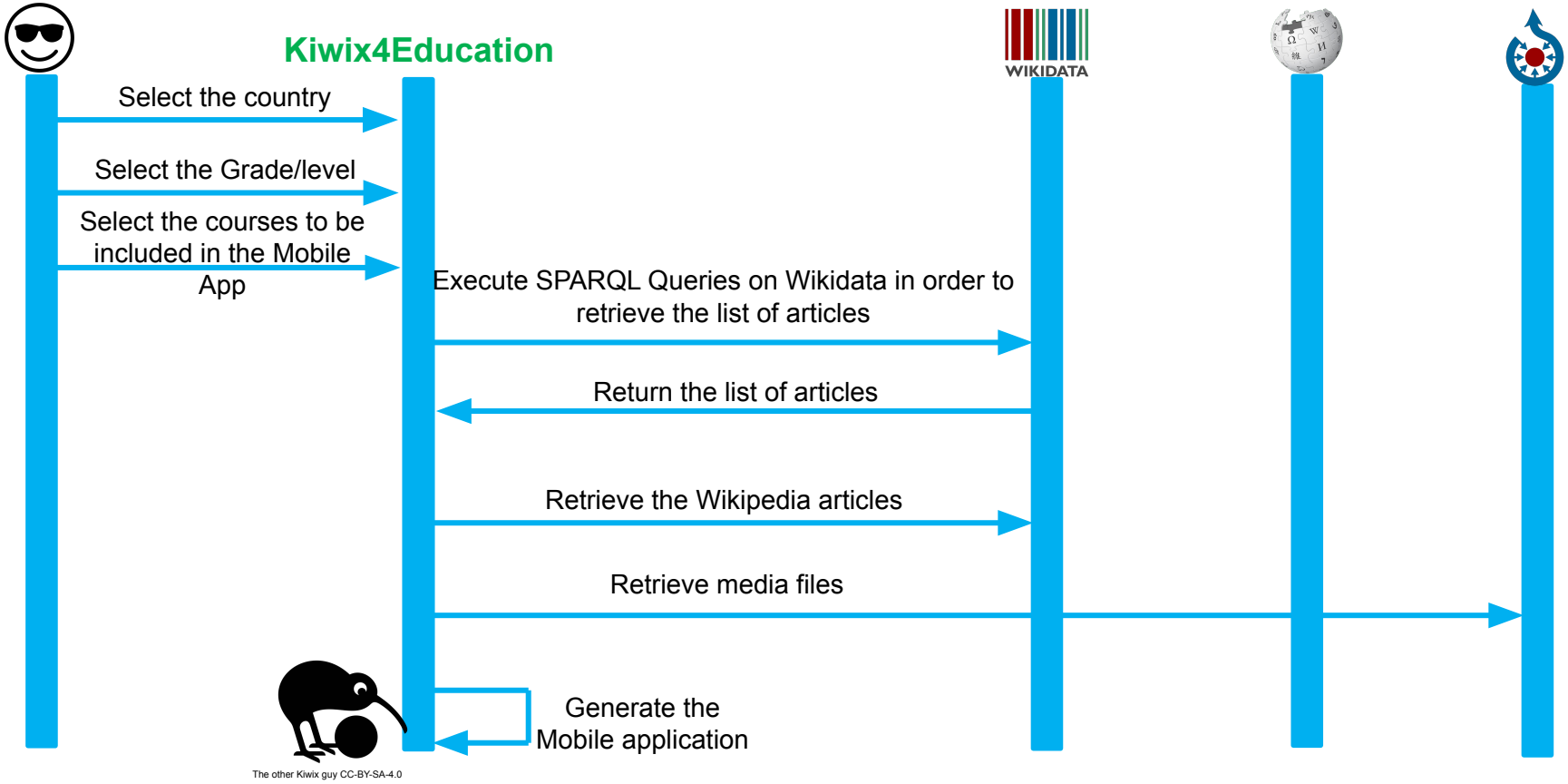
Digitizing Curricula Used Cases CC-BY-SA-4.0 by VHargyono (WMF)



The other Kiwix guy CC-BY-SA-4.0

5
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QID on Navigation Popups

Finally! After 9 years!

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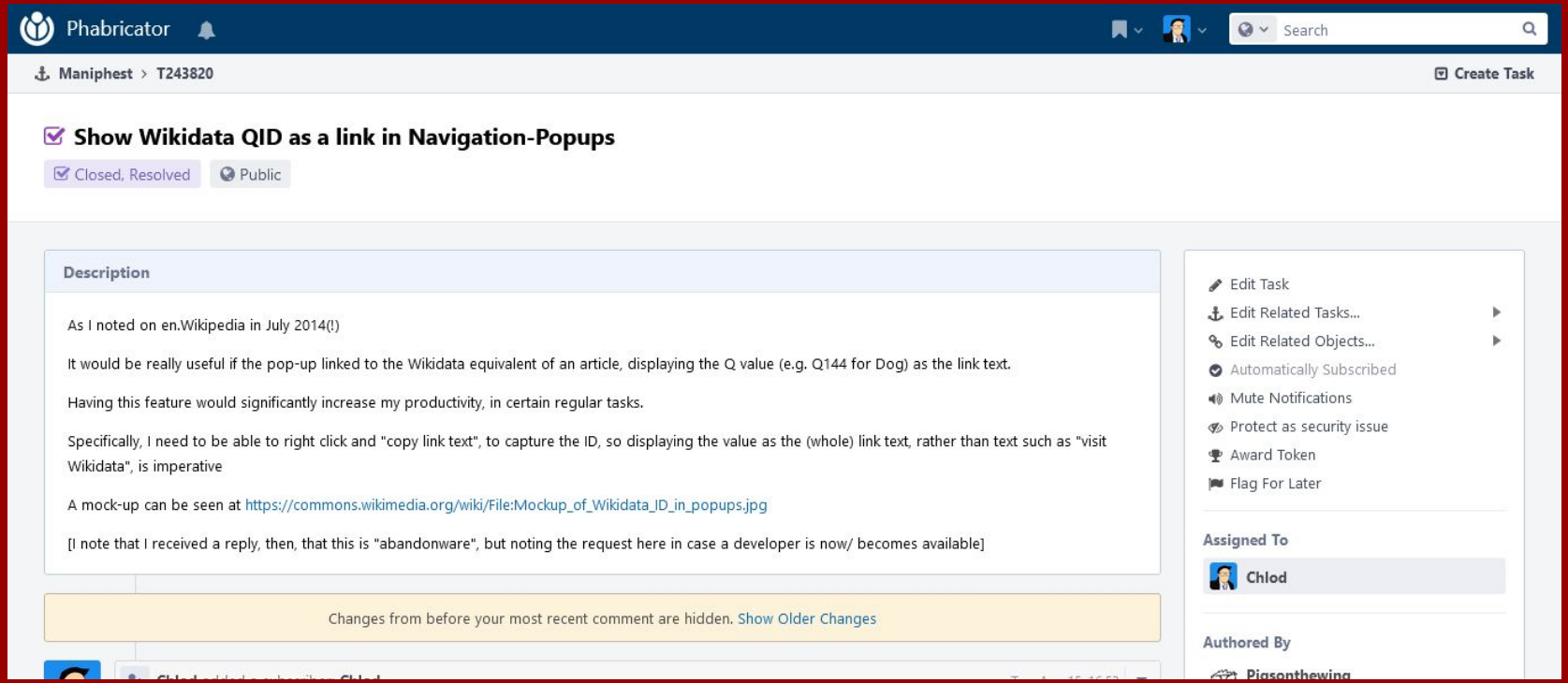
Chlod



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What?

What do you mean what? Do you mean like, a specific thing, like “what this” or “what that”? It’s not like I can guess what’s in your mind, you know, I’m not a genius. There’s like many things that you could be talking about when you say “what”. “What’s the weather like?” “What time is it in San Francisco?” “What session did you like most on Wikimania?” I mean, I guess you might be talking about something that I did this hackathon, but like, is there a specific thing that you want to talk about? I mean, there’s like a few things here, and you could be asking anything in the world. The dictionary has like, a lot of words in it and they could make some really long “what” questions, so is there like a specific thing that you

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What took so long?

Original maintainer of Navigation Popups has not been active in a long time, and the code has aged with time.

What did you change?

Added two extra parameters in the original GET request for page information

What’s the relevance?

58,235 users have Navigation Popups enabled… but there’s no maintainer?

Why Wikidata

Because we love Wikidata. 💖

ustat, the Egyptian capital, on 6 July. Jawhar served as

Fustat · actions · popups

26.7kB, 129 wikiLinks, 5 images, 11 categories,
10 weeks old, Q839456

Fustat ( ), also **Fostat**, was the first capital of Egypt under Muslim rule, and the historical centre of modern Cairo. It was built adjacent to what is now known as Old Cairo by the Rashidun Muslim general 'Amr ibn al-'As immediately after the Muslim conquest of Egypt in AD 641, and featured the Mosque of Amr, the first mosque built in Egypt.

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6
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SINGAPORE

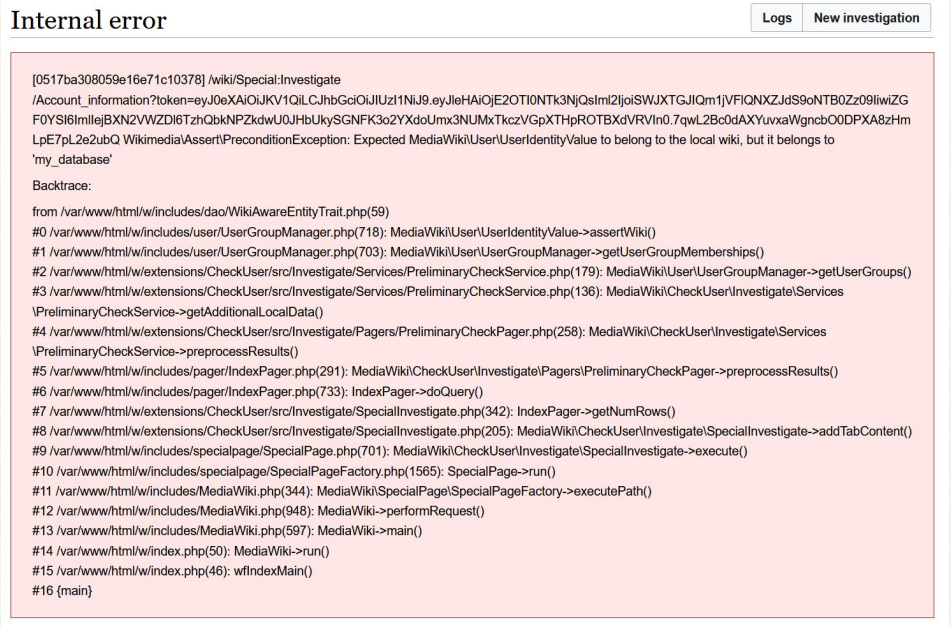
Special:Investigate was broken on all wikis?!

Why multi-wiki testing is important

WIKIMANIA SINGAPORE

Dreamy Jazz

What broke!



Internal error

Logs | New investigation

[0517ba308059e16e71c10378] /wiki/Special:Investigate
/Account_information?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJleHAiOjE2OTI0NTk3NjQsImI2IjoiSWJXTGJIQm1jVFlQNXZJdS9oNTB0Zz09IiwiZGF0YSI6ImIlejBXN2VWZDl6TzhQbkNPZkdwU0JHbUkySGNFK3o2YXdoUmx3NUMxTkczVGpXTHpROTBXdVRVIn0.7qwL2Bc0dAXYuvxaWgncbO0DPXA8zHmLpE7pL2e2ubQ Wikimedia\Assert\PreconditionException: Expected MediaWiki\User\UserIdentityValue to belong to the local wiki, but it belongs to 'my_database'

Backtrace:

from /var/www/html/w/includes/dao/WikiAwareEntityTrait.php(59)
#0 /var/www/html/w/includes/user/UserGroupManager.php(718): MediaWiki\User\UserIdentityValue->assertWiki()
#1 /var/www/html/w/includes/user/UserGroupManager.php(703): MediaWiki\User\UserGroupManager->getUserGroupMemberships()
#2 /var/www/html/w/extensions/CheckUser/src/Investigate/Services/PreliminaryCheckService.php(179): MediaWiki\User\UserGroupManager->getUserGroups()
#3 /var/www/html/w/extensions/CheckUser/src/Investigate/Services/PreliminaryCheckService.php(136): MediaWiki\CheckUser\Investigate\Services\PreliminaryCheckService->getAdditionalLocalData()
#4 /var/www/html/w/extensions/CheckUser/src/Investigate/Pagers/PreliminaryCheckPager.php(258): MediaWiki\CheckUser\Investigate\Services\PreliminaryCheckService->preprocessResults()
#5 /var/www/html/w/includes/pager/IndexPager.php(291): MediaWiki\CheckUser\Investigate\Pagers\PreliminaryCheckPager->preprocessResults()
#6 /var/www/html/w/includes/pager/IndexPager.php(733): IndexPager->doQuery()
#7 /var/www/html/w/extensions/CheckUser/src/Investigate/SpecialInvestigate.php(342): IndexPager->getNumRows()
#8 /var/www/html/w/extensions/CheckUser/src/Investigate/SpecialInvestigate.php(205): MediaWiki\CheckUser\Investigate\SpecialInvestigate->addTabContent()
#9 /var/www/html/w/includes/specialpage/SpecialPage.php(701): MediaWiki\CheckUser\Investigate\SpecialInvestigate->execute()
#10 /var/www/html/w/includes/specialpage/SpecialPageFactory.php(1565): SpecialPage->run()
#11 /var/www/html/w/includes/MediaWiki.php(344): MediaWiki\SpecialPage\SpecialPageFactory->executePath()
#12 /var/www/html/w/includes/MediaWiki.php(948): MediaWiki->performRequest()
#13 /var/www/html/w/includes/MediaWiki.php(597): MediaWiki->main()
#14 /var/www/html/w/index.php(50): MediaWiki->run()
#15 /var/www/html/w/index.php(46): wfIndexMain()
#16 {main}

This shows the production error on a local testing wiki. This was the second time this page had broken in less than a month.

The cause and how it was fixed

This issue was caused by a difference in behaviour between a multi-wiki instance and a single wiki instance. The local wiki should have instead been provided in a different format.

This was fixed by ensuring the correct parameter was passed if the wiki was the local wiki.

Why this matters

MediaWiki programmers often use single wiki instances to test patches. Testing on multi-wiki instances only happens on Beta wiki, however, this extension (CheckUser) is not on beta wiki for privacy issues. CI didn't catch this as the test mocked the method in core that actually threw the error.

As developers we should be more used to testing our code in multi-wiki instances, especially as CentralAuth is not in the gated extensions list. If this had been better tested, it would have been seen earlier.

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Multiple two-factor devices?

At least the database is not blocking that anymore

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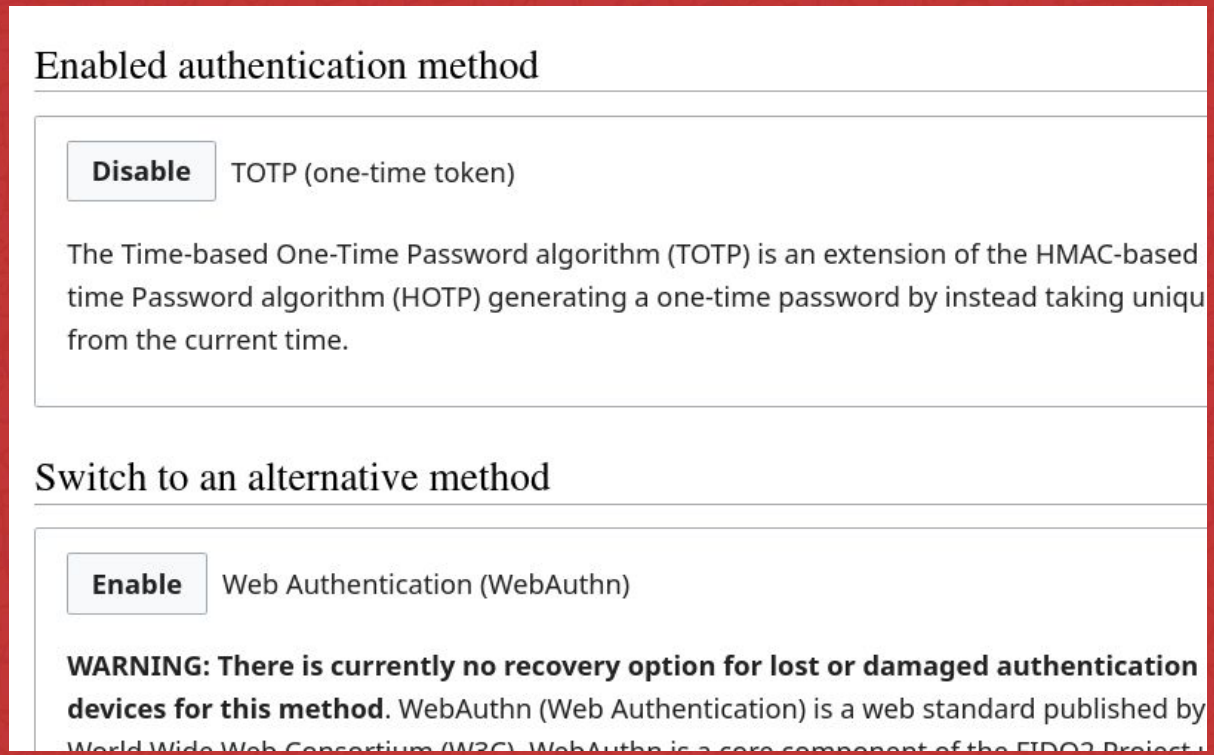
Taavi Väänänen

You can only have one type of 2fa device



The old schema kinda sucks

```
wikiadmin2023@10.64.132.14(checkuserwiki)> SHOW CREATE TABLE oathauth_users\G
*************************** 1. row ***************************
       Table: oathauth_users
Create Table: CREATE TABLE `oathauth_users` (
  `id` int(11) NOT NULL,
  `module` varbinary(255) NOT NULL,
  `data` blob DEFAULT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=binary
1 row in set (0.000 sec)
```

So I made it better

```
wikiadmin2023@10.64.132.14(checkuserwiki)> SHOW CREATE TABLE oathauth_users\G
*************************** 1. row ***************************
       Table: oathauth_users
Create Table: CREATE TABLE `oathauth_users` (
  `id` int(11) NOT NULL,
  `module` varbinary(255) NOT NULL,
  `data` blob DEFAULT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=binary
1 row in set (0.000 sec)
```

```
wikiadmin2023@10.64.132.14(checkuserwiki)> SHOW CREATE TABLE oathauth_devices\G
*************************** 1. row ***************************
       Table: oathauth_devices
Create Table: CREATE TABLE `oathauth_devices` (
  `oad_id` int(11) NOT NULL AUTO_INCREMENT,
  `oad_user` int(11) NOT NULL,
  `oad_type` int(11) NOT NULL,
  `oad_name` varbinary(255) DEFAULT NULL,
  `oad_created` binary(14) DEFAULT NULL,
  `oad_data` blob DEFAULT NULL,
  PRIMARY KEY (`oad_id`),
  KEY `oad_user` (`oad_user`)
) ENGINE=InnoDB AUTO_INCREMENT=[x] DEFAULT CHARSET=binary
1 row in set (0.000 sec)
```

Slowly migrating all wiki databases

```
'wgOATHAuthMultipleDevicesMigrationStage' => [
    'default' => SCHEMA_COMPAT_OLD,
    'checkuserwiki' => SCHEMA_COMPAT_WRITE_BOTH | SCHEMA_COMPAT_READ_OLD,
    'techconductwiki' => SCHEMA_COMPAT_WRITE_BOTH | SCHEMA_COMPAT_READ_OLD,
],
```

8
WIKIMANIA
SINGAPORE

Add edit count and user creation date to Special:Contributions

Helping to grant community wishlist
wish #45 from 2022

WIKIMANIA
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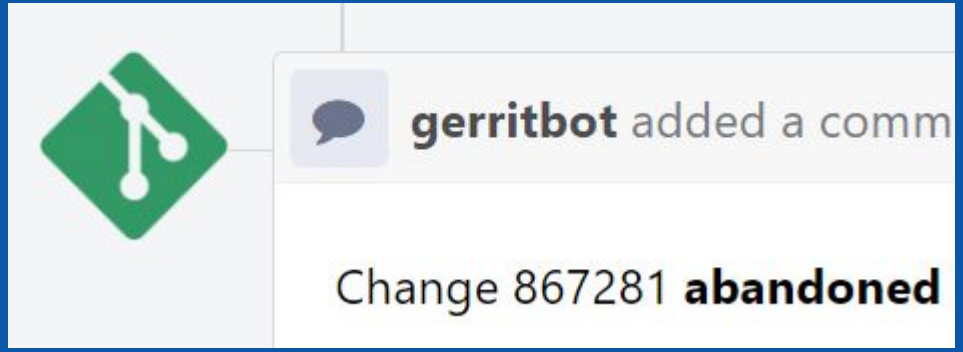
By Novem Linguae

43	Allow using templated reasons in global blocks.	Admins and patrollers	54	T243863
44	Remember previous deletion reason	Admins and patrollers	54	
45	Show edit count at Special:Contributions	Miscellaneous	54	T324166, Related: T32353, T213110, T278506
46	Allow global whitelisting of IPs subject to global rangeblocks	Admins and patrollers	52	T42439
47	Make category browsing multilingual using Wikidata	Multimedia and Commons	52	


gerritbot added a comm
Change 867281 abandoned

Special page

User contributions for Admin

For Admin (talk | block | block log | uploads | logs | deleted user contribut

Search for contributions

- 13:34, 18 August 2023 (diff | hist) . . (+51) . . N MediaWiki:T

Main page
Recent changes
Random page
Help about MediaWiki

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```
»       »       // First subheading. "For Username (talk | block log | logs | etc.)"
»       »       $userName = $userObj->getName();

»       »       $subHeadingsHtml = Html::rawElement( 'div', [ 'class' => 'mw-contributions-user-tool
s' ],
»       »       »       $this->msg( 'contributions-subtitle' )->rawParams( $user )->params( $userNam
e )
»       »       »       . ' ' . $links
»       »       );

»       »       // Second subheading. "A user with 37,208 edits."
»       »       if ( $talk && $registeredAndVisible ) {
»       »       »       $editCount = $userObj->getEditCount();
»       »       »       $userInfo = $this->msg( 'contributions-editor-info' )
»       »       »       »       ->params( $userName )
»       »       »       »       ->numParams( $editCount )
»       »       »       »       ->escaped();
»       »       »       $subHeadingsHtml .= Html::rawElement( 'div', [ 'class' => 'mw-contributions-
editor-info' ],
»       »       »       »       $userInfo );
»       »       }

»       »       return $subHeadingsHtml;
»       }
```

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Special page

User contributions for Admin

For Admin (talk | block | block log | uploads | logs | deleted user contributi
A user with 1 edit.

Search for contributions

- 13:34, 18 August 2023 (diff | hist) . . (+51) . . N MediaWiki:T

Main page
Recent changes
Random page
Help about MediaWiki

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43	Allow using templated reasons in global blocks.	Admins and patrollers	54	T243863	
44	Remember previous deletion reason	Admins and patrollers	54		
45	Show edit count at Special:Contributions	Miscellaneous	54	T324166, Related: T32353, T213110, T278506	✓ **Done** by Novem Linguae
46	Allow global whitelisting of IPs subject to global rangeblocks	Admins and patrollers	52	T42439	
47	Make category browsing multilingual using Wikidata	Multimedia and Commons	52		

```
538 »       »       // Second subheading. "A user with 37,208 edits. Account created on 2008-09-17."
539 »       »       if ( $talk && $registeredAndVisible ) {
540 »       »       »       $editCount = $userObj->getEditCount();
541 »       »       »       $userInfo = $this->msg( 'contributions-edit-count' )
542 »       »       »       »       ->params( $userName )
543 »       »       »       »       ->numParams( $editCount )
544 »       »       »       »       ->escaped();
545
546 »       »       »       $accountCreationDate = $userObj->getRegistration();
547 »       »       »       if ( $accountCreationDate ) {
548 »       »       »       »       $userInfo .= $this->msg( 'word-separator' )
549 »       »       »       »       »       ->escaped();
550 »       »       »       »       $userInfo .= $this->msg( 'contributions-account-creation-date' )
551 »       »       »       »       »       ->dateParams( $accountCreationDate )
552 »       »       »       »       »       ->escaped();
553 »       »       »       }
554
555 »       »       »       $subHeadingsHtml .= Html::rawElement(
556 »       »       »       »       'div',
557 »       »       »       »       [ 'class' => 'mw-contributions-editor-info' ],
558 »       »       »       »       $userInfo
559 »       »       »       );
560 »       »       }
561
562 »       »       return $subHeadingsHtml;
563 »       }
```

WIKIMANIA
SINGAPORE

Special page

User contributions for Admin

For Admin (talk | block | block log | uploads | logs | deleted user contribut
A user with 1 edit. Account created on 29 July 2023.

Search for contributions

- 13:34, 18 August 2023 (diff | hist) . . (+51) . . N MediaWiki:T

Main page
Recent changes
Random page
Help about MediaWiki

Tools

WIKIMANIA
SINGAPORE

Improving Twitter to Commons

Change code to use python libraries to fetch data from Twitter rather than using API

https://twitter-to-commons.toolforge.org/

WIKIMANIA SINGAPORE

By Jnanaranjan Sahu

The Tool

What the tool is?

The tool is used to fetch images and videos from twitter handles and show them in a page, a logged in user can upload the images directly to commons.
It takes the template according to the handle the user has selected.
User can search and add categories.
Demo Link: Twitter to Commons Tutorial - YouTube

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https://twitter-to-commons.toolforge.org

Home Uploads Statsistics Request new account Administration Docs Logout

Twitter to commons

Upload photos from Twitter to Wikimedia Commons.

You can choose from some **free licensed accounts** or enter a **twitter handle** or paste a **tweet link**.

Hi Jnanaranjan sahu

Please choose appropriate method.

Select a free licensed Twitter handle

OR

Enter a twitter handle/username

Show Tweets

OR

Paste a tweet link

Show Tweet Details

Select twitter handle and click on Show Tweets button.

Developed by Gyan with the help of Odia Wik Community and Wikimedia Cloud Team.

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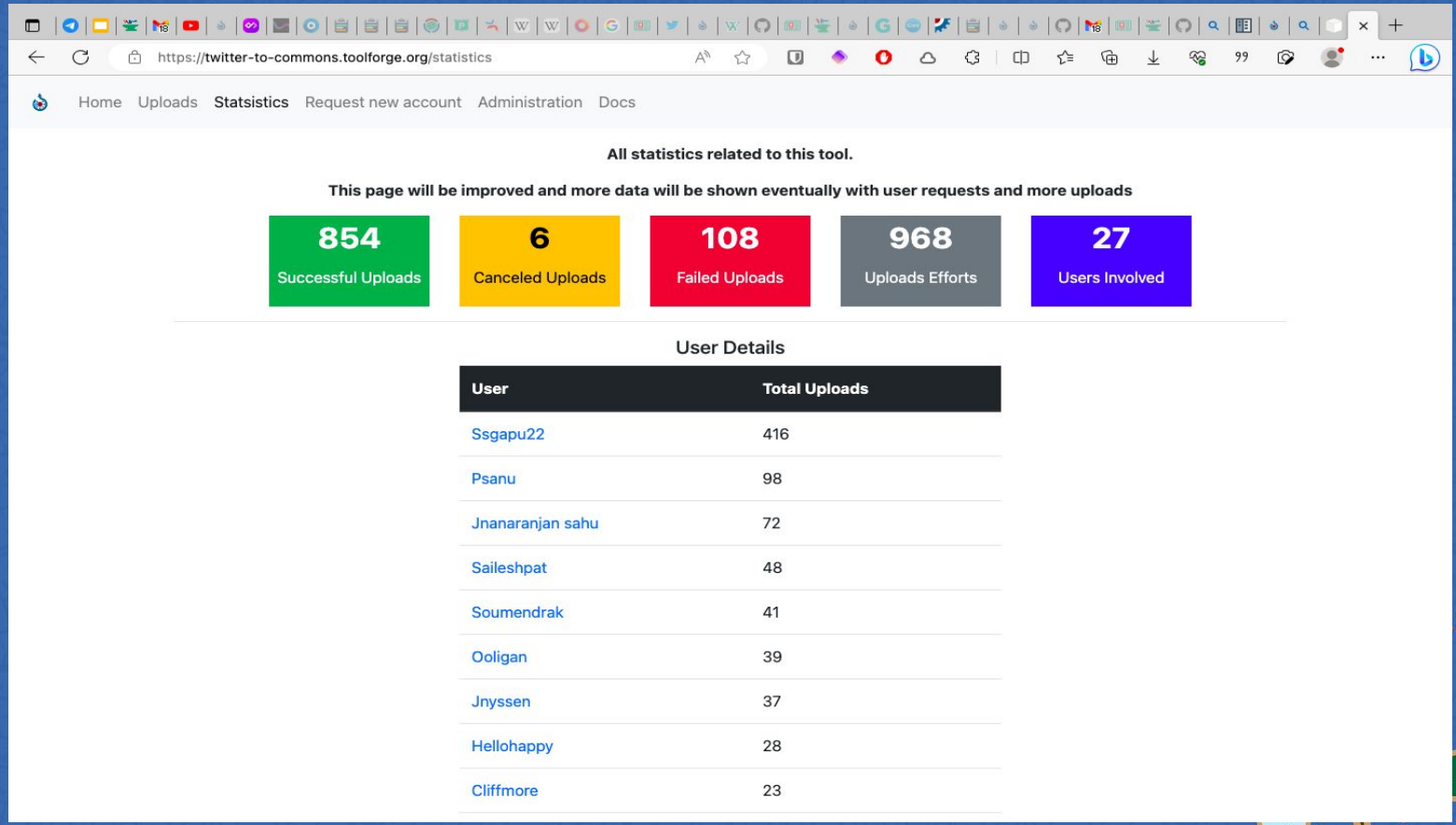

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The Problem

It was working good until. Twitter started charging for retrieving tweets specially after changing to X.

Indian credit cards are not working for twitter subscriptions.

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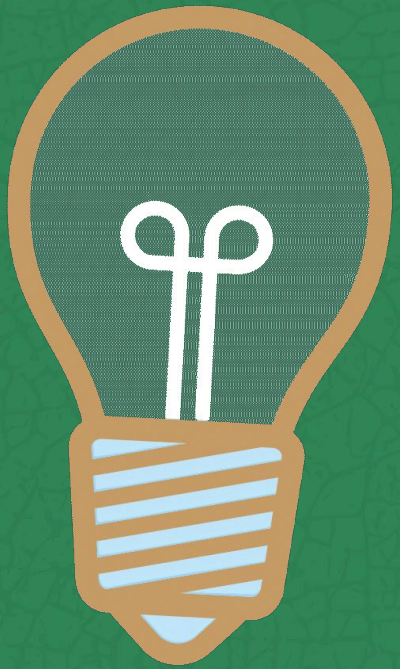
Fixing it

Tried to use python libraries like twint and some others.



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Result

Stuck in two things.

Making the libraries work with my existing set up.

Organising the data to work with the my tool.

The work is on....

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Thank You!

10
WIKIMANIA
SINGAPORE

Bengali Currency Numerals

Did you know that page numbers can be hexadecimal?

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Making it easier to add page numbers

Original idea from Hrishikes, Bodhi

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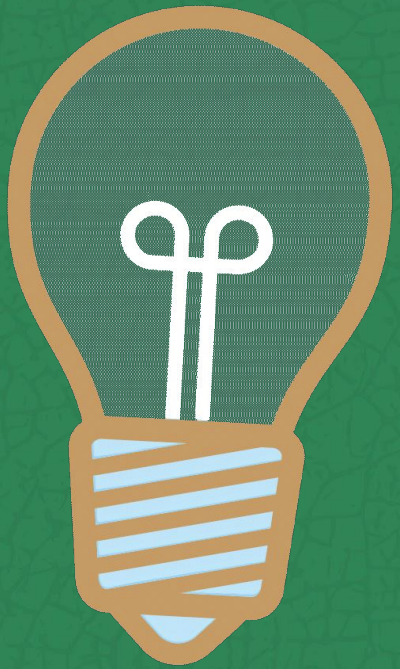
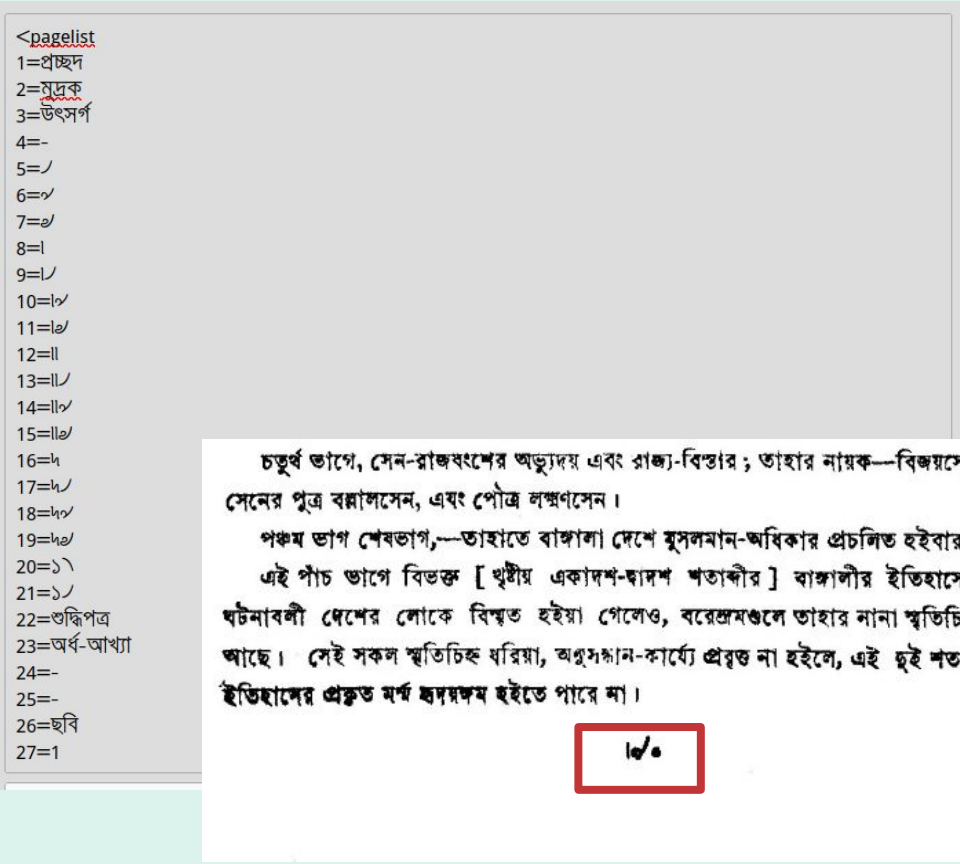


Short detour into Indian currency land

- Old Indian currency system
- 16 Anna => 1 Paisa
- In current day India, 1 Paisa does not gets you anything (thanks inflation!)
- The counting system is so heavily ingrained in Bengali culture , that “Sholo anna” means “complete”
- This system is used in place of roman numerals in Bengali books

Pain point

Labelling page numbers manually



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Can we copy somebody else's homework?

No :(

```
/**
 * Mapping between the ProofreadPage number formats ids and the one from ICU.
 * The full list of ICU number formats is available here:
 * https://github.com/unicode-org/cldr/blob/master/common/supplemental/numberingSystems.xml
 */
private const DISPLAY_FROM_ICU = [
    'beng' => 'beng',
    'deva' => 'deva',
    'highroman' => 'roman',
    'roman' => 'romanlow',
    'tamldec' => 'tamldec',
    'guru' => 'guru',
    'gujr' => 'gujr',
    'telu' => 'telu',
    'knda' => 'knda',
    'mlym' => 'mlym',
    'orya' => 'orya',
    'thai' => 'thai',
];      Tpt, 3 years ago • Adds thai number formatting using ICU …
```

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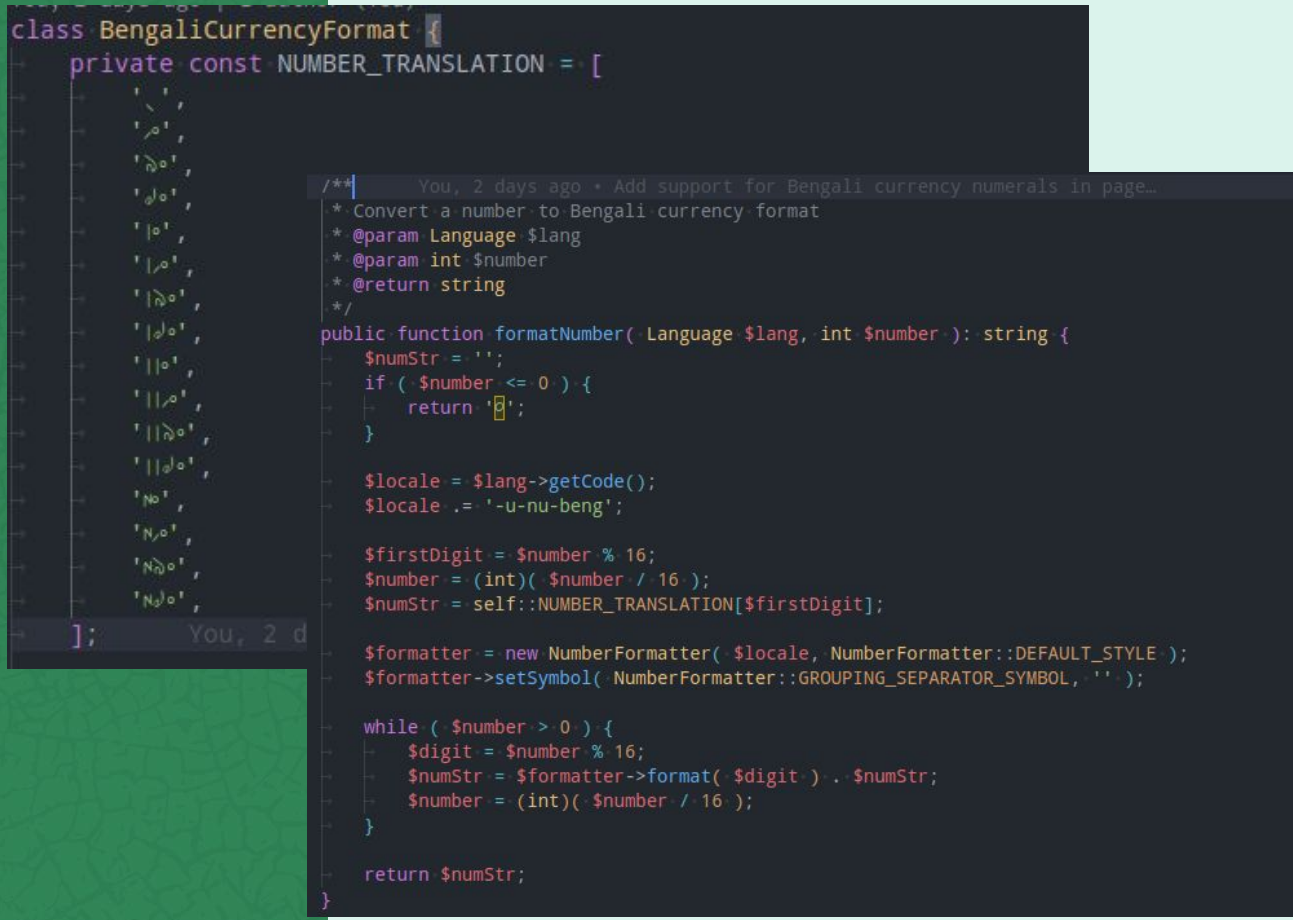
So lets DIY?

Yes but also no...



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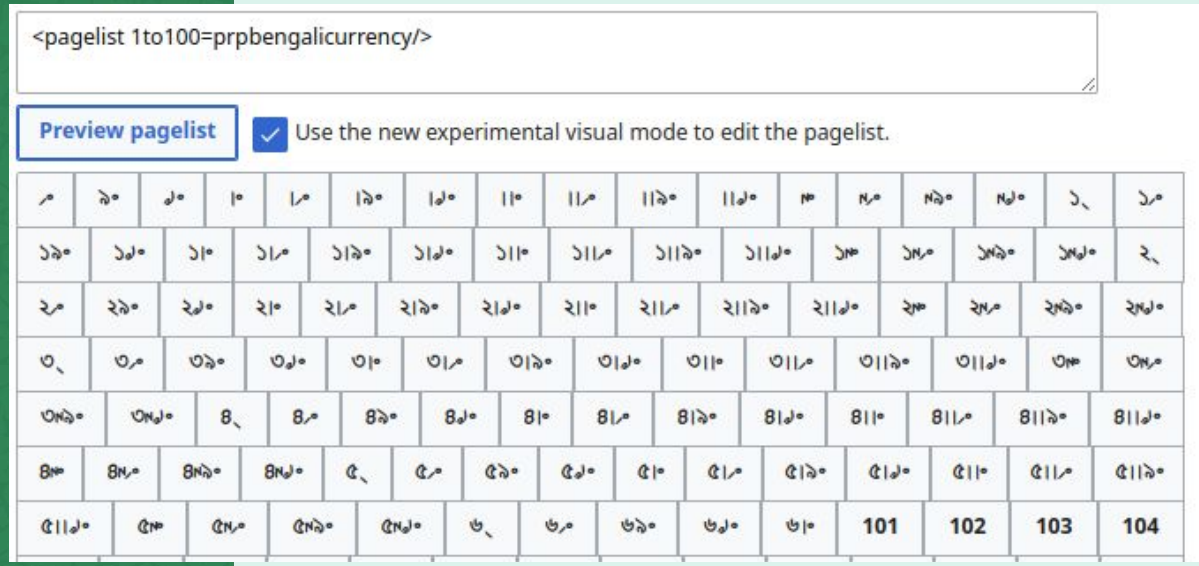
Now it works!



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SPARQL Challenge

A way fun to test you knowledge of SPARQL!

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Having fun together

Original idea from University of New Brunswick, online in 2021
Team: Andrew Lih, Jan Ainali, Abbe98

Replicated and adapted to Singapore

First part: challenge
Second part: answering together

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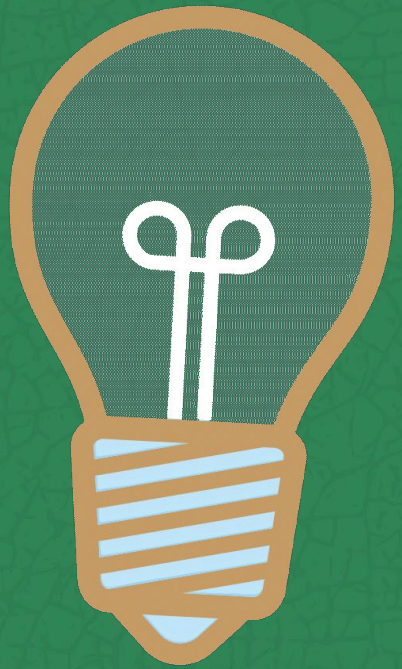

SPARQL queries are challenging!

5 teams (mostly of one)

10 question

30 minutes

Each questions grows in difficulty and are made to discover a different aspect of SPARQL.

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Example of question

How do you say "Singapore" in French Singapour

It could be with:
Item Label https://w.wiki/7Egj https://w.wiki/7Egk
Property “Official name” https://w.wiki/7Eh6
Lexeme https://w.wiki/7Egd

Slightly different answers but all valid, some more efficient or elegant than the others.
Comparing and sharing answers lead to fun learning. The discussion part is often very enlightening.

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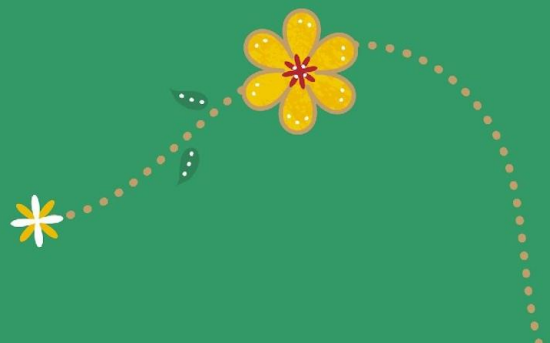

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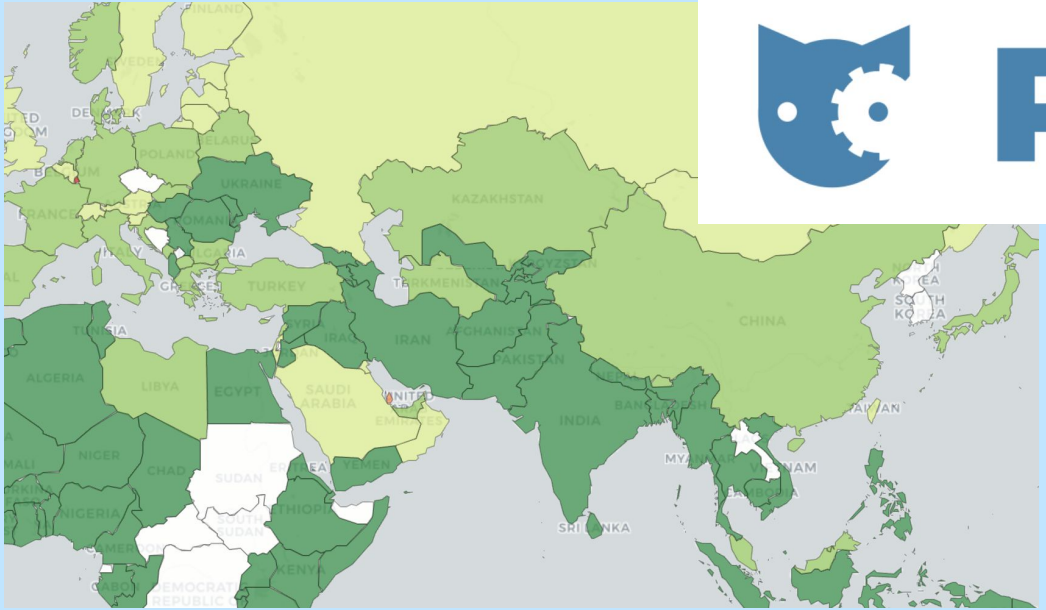
Wikidata + Maps + PAWS

💘 ~~Awesome together~~ 💘



PAWS

WIKIDATA

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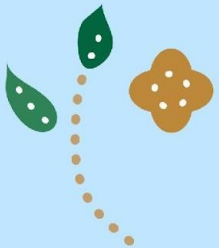
Wikidata + Maps + PAWS

```
import folium
from SPARQLWrapper import SPARQLWrapper, JSON
```

```
# Set up the SPARQL endpoint and run the query
sparql = SPARQLWrapper("https://query.wikidata.org/sparql")
sparql.setQuery("""
SELECT ?mountain ?mountainLabel ?height ?countryLabel ?geoLocation WHERE {
  ?mountain wdt:P31 wd:Q8502;               # Instance of mountain
            wdt:P17 ?country;               # Located in a country
            wdt:P2044 ?height;              # Height of the mountain
            wdt:P625 ?geoLocation.          # Geolocation of the mountain

  # Southeast Asian countries
  VALUES ?country {wd:Q881 wd:Q819 wd:Q424 wd:Q869 wd:Q836 wd:Q833 wd:Q334 wd:Q928 wd:Q252 wd:Q574 wd:Q921}

  SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
}
ORDER BY DESC(?height)
LIMIT 50
""")
sparql.setReturnFormat(JSON)
results = sparql.query().convert()
```

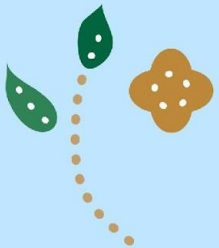
Wikidata + Maps + PAWS

```
# Create a base map
m = folium.Map(location=[10, 100], zoom_start=5, tiles="Stamen Terrain")  # Centered around Southeast Asia

# Add markers for each mountain
for result in results["results"]["bindings"]:
    lat, lon = map(float, result["geoLocation"]["value"].split('(')[1].split(')')[0].split(' '))
    marker = folium.Marker(
        location=[lat, lon],
        popup=f"{result['mountainLabel']['value']} ({result['height']['value']} m)",
        icon=folium.Icon(icon="cloud"),
    )
    marker.add_to(m)

# Save the map to an HTML file (optional)
m.save("mountains_map.html")

# Display the map
m
```

RAJASTHAN
BANGLADESH
Dhaka
YUNNAN
FUJIAN
Fuzhou
OKINAWA
Taipei
Ahmedabad
INDIA
Kolkata
MIZORAM
Chittagong
GUANGXI
Hong Kong
TAIWAN
Kaohsiung
GUJARAT
DADRA AND NAGAR HAVELI
CHHATTISGARH
MYANMAR
Hanoi
LAOS
HAINAN
Pune
Hyderabad
Vientiane
Yangon
ANDHRA PRADESH
THAILAND
GOA
Manila
Bangkok
VIETNAM
Bangalore
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CAMBODIA
Phnom Penh
PHILIPPINES
KERALA
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LAKSHADWEEP
Colombo
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INDONESIA
SULAWESI TENGAH
BANGKA-BELITUNG
SULAWESI SELATAN
MALUKU
Bandarlampung
Makassar
BANTEN
Bandung
Surabaya
Leaflet | Map tiles by Stamen Design, under CC BY 3.0. Data by © OpenStreetMap, under CC BY SA.

Wikidata + Maps + PAWS

what is wrong with this:

```
folium.Marker(
  location=[97.4666, 28.3330],
  popup="Mt. Hood Meadows",
  icon=folium.Icon(icon="cloud"),
).add_to(m)
```

The issue with the code you provided is with the `location` parameter. The `location` parameter in `folium.Marker` expects a tuple or list in the format `[latitude, longitude]`. In the code you provided, the values seem to be swapped.

Here's the corrected code:

python Copy code

```
folium.Marker(
    location=[28.3330, 97.4666],  # Corrected order: [latitude, longitude]
    popup="Mt. Hood Meadows",
    icon=folium.Icon(icon="cloud"),
).add_to(m)
```

Make sure that the latitude and longitude values are in the correct order when adding markers to the map.

Wikidata + Maps + PAWS

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Improvements to the Wikisource e-book exporter

By Waldyrious and Sam Wilson

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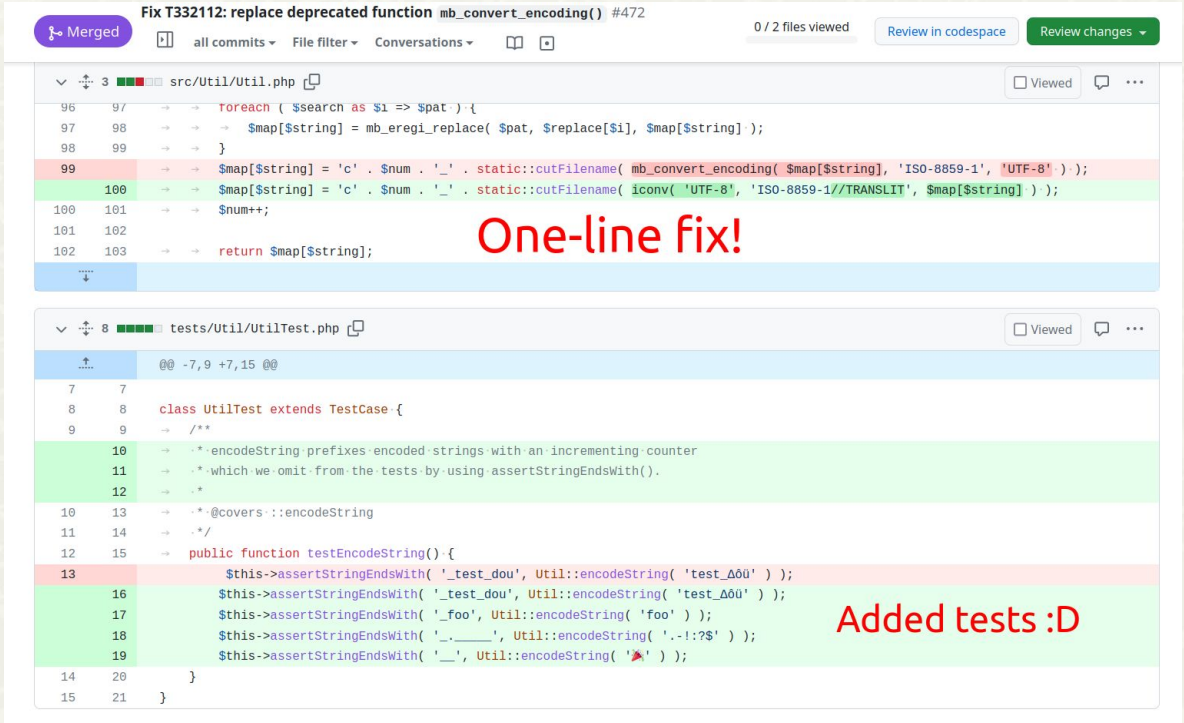
19/08/2023

Fix deprecation to allow upgrade to PHP 8

Fix T332112: Deprecated function `mb_convert_encoding()`



Bonus changes 1: Contribution docs!

https://github.com/wikimedia/ws-export/pull/471

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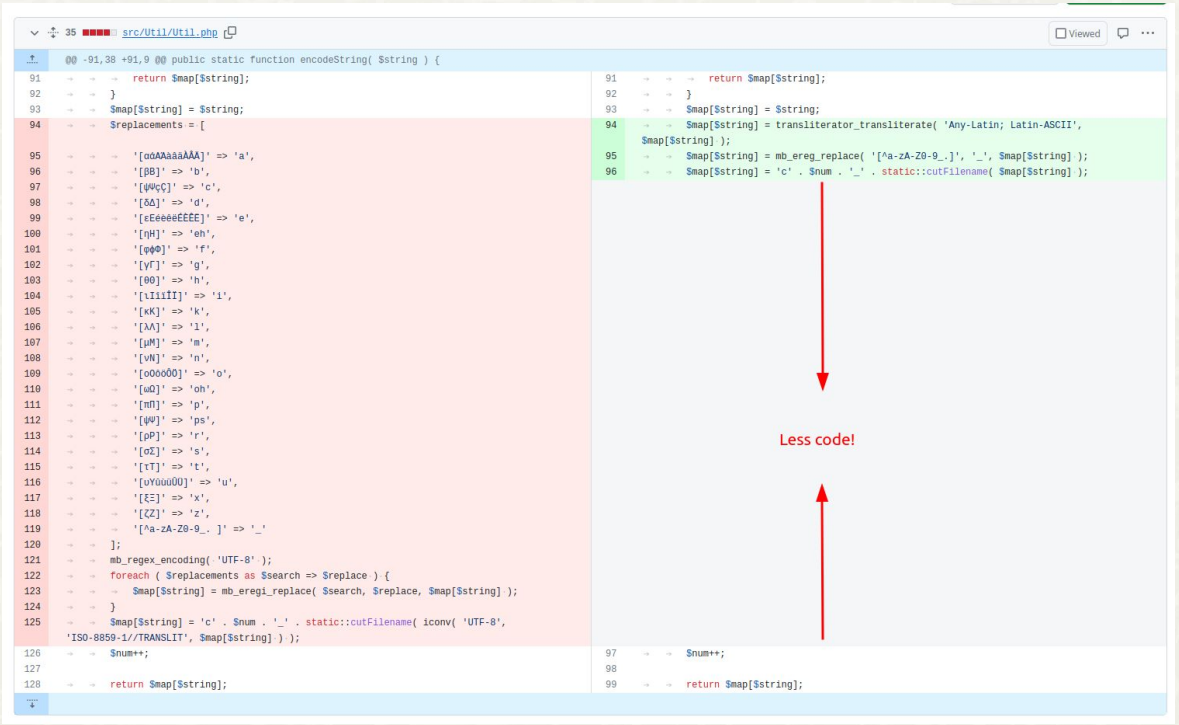
Bonus changes 2: Expanded script support

Pull request: https://github.com/wikimedia/ws-export/pull/474



Bonus changes 2: Expanded script support

Pull request: https://github.com/wikimedia/ws-export/pull/474

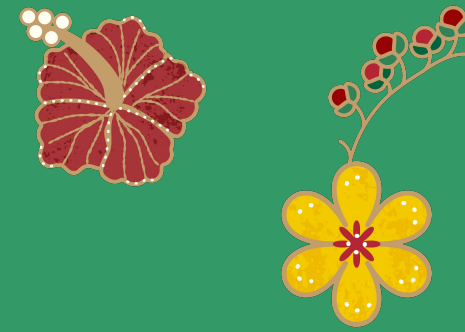
20 tests/Util/UtilTest.php

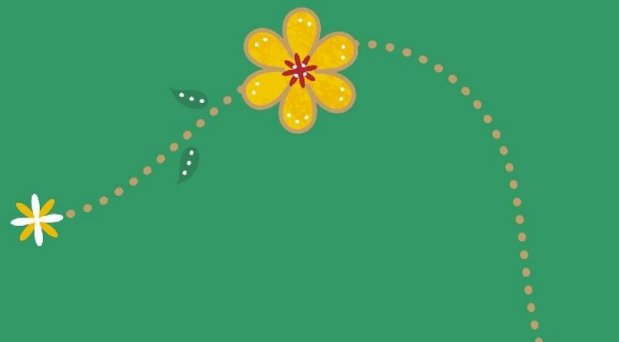
```
@@ -11,14 +11,28 @@ public function provideEncodeStringCases() {
11  11      return [
12  12          [ 'test_Δöü', '_test_Dou' ],
13  13          [ 'foo',      '_foo' ],
14              [ 'æ,þ,ŋ,ŋ',  '_ae_th_eh_ng' ],
    14          [ 'æ,þ,ŋ,ŋ',  '_ae_th_e_n' ],
15  15          [ '.-!:?$',   '_.-_____' ],
16  16          [ '📣',       '__' ],
17  17          [ 'Fóø Bář',  '_Foo_Bar' ],
18  18          // Greek
19              [ 'Ξεσκεπάζω την ψυχοφθόρα σας βδελυγμία', '_Xeskepazoh_tehn_psuchofh_ra_sas_bdelugm_a' ],
    19          [ 'Ξεσκεπάζω την ψυχοφθόρα σας βδελυγμία', '_Xeskepazo_ten_psychophthora_sas_bdelygmia' ],
20  20          // Cyrillic
21              [ 'Любя съешь щипцы вздохнёт мэр кайф жгуч', '_Lyubya_seshy_shiptsy_vzdohnyot_mer_kayf_zhgutch' ],
    21          [ 'Любя съешь щипцы вздохнёт мэр кайф жгуч', '_Luba_s_es__sipcy_vzdohnet_mer_kajf_zguc' ],
    22          // Arabic
    23          [ 'ابجد هوّز حُطّي كلَمُن سَعْفَص قُرِشَت ثَخَذ ضَظَغ', '_abjd_hwaz_huty_klamun_sa__fas_qurishat_thakhadu__dazagh' ],
    24          // Hebrew
    25          [ 'עטלפ אבק נס דרק מעזגן שתתופיץ כי האמ', '__tlp__bq_ns_drq_m_zgn_s_tpwpz_ky_h_m' ],
    26          // Polish
    27          [ 'Zażółć gęślą jaźń', '_Zazolc_gesla_jazn' ],
    28          // Turkish
    29          [ 'Pijamalı hasta yağız şoföre çabucak güvendi', '_Pijamali_hasta_yagiz_sofore_cabucak_guvendi' ],
    30          // // Czech
    31          [ 'Příliš žluťoučký kůň úpěl ďábelské ódy', '_Prilis_zlutoucky_kun_upel_dabelske_ody' ],
    32          // // Danish
    33          [ 'Høj bly gom vandt fræk sexquiz på wc', '_Hoj_bly_gom_vandt_fraek_sexquiz_pa_wc' ],
    34          // // Esperanto
    35          [ 'Ĉble ĉiu kvazaŭ-deca fuŝĥorajo ĝojigos homtipon', '_Eble_ciu_kvazau_deca_fushorajo_gojigos_homtipon' ],
22  36      ];
23  37  }
24  38
```

Many more scripts supported!

Thank you!

See you again in future hackathons ;-)





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Inspired by the beauty of national flowers of ESEAP countries

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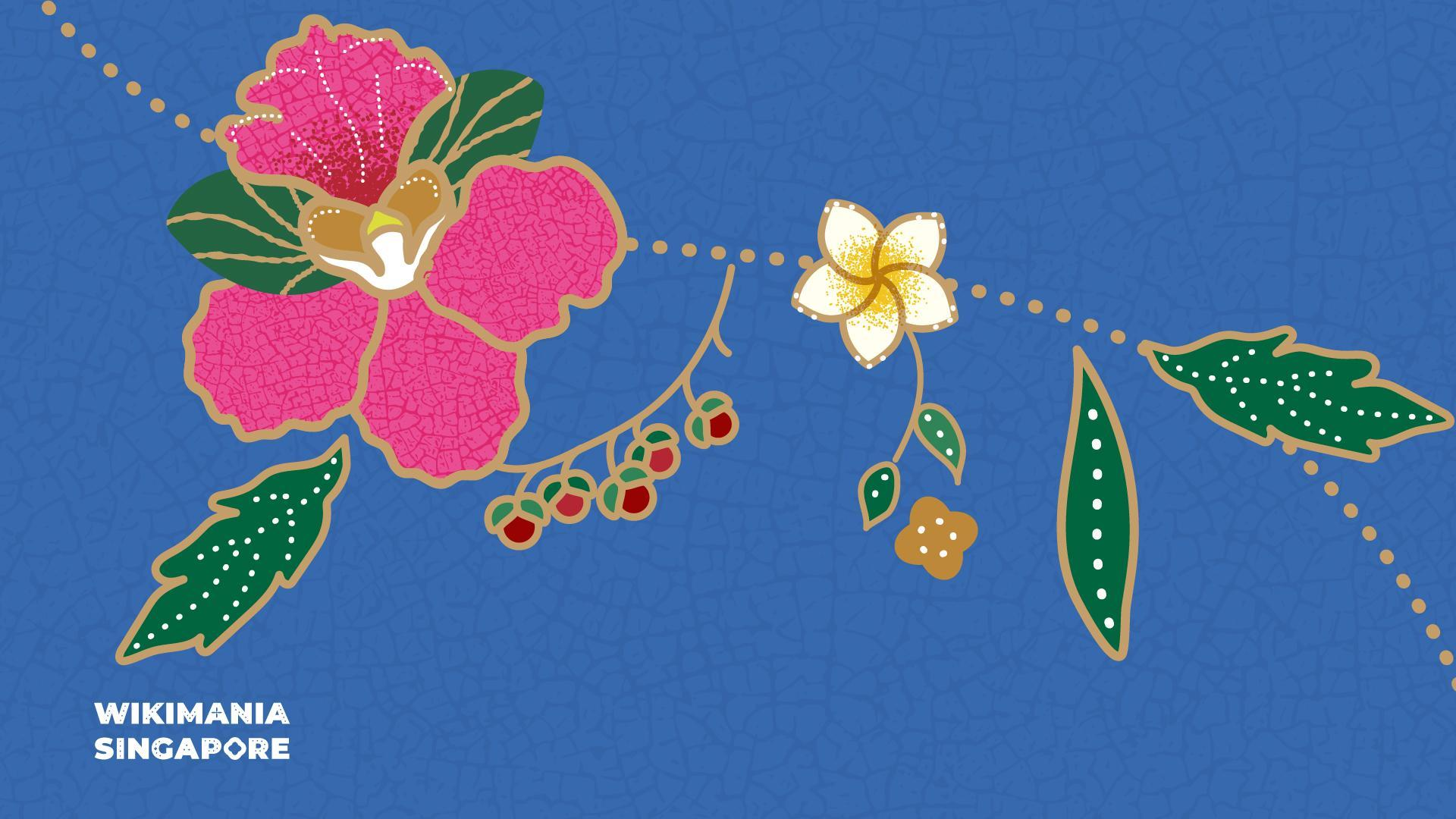
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