Index them all

Why and how to create a categories-based index of articles
Robert Sim (User:Robertsky)
- Home wiki: English Wikipedia
- Primary WikiProject: WikiProject Singapore
- Maintains “Index of Singapore-related articles” since 2019.

Saturday, August 19 (03:45-04:00 UTC)
Content

Target audience:
• Editors who wants indexes
• Editors with technical knowledge

• What is an index?
• Why create indexes?
• How to create an index?
What is an index?

[[Wikipedia:Indexes]]

- Alphabetical list articles
- Standalone list
- List of encyclopedic articles available on Wikipedia for any broad, general topic
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Alphabetical list
articles
Standalone list
List of encyclopedic articles available on Wikipedia for any broad, general topic

What is an index?
Why create indexes?

- A quick way to find if a subject article exists in context of the general topic
- Fight vandalism in the general topic you know
- Discovery of new articles
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Index of Singapore-related articles

- Law Song Seng
- Law enforcement in Singapore
- Law of Singapore
- Lawrence Ang
- Lawrence Khong
- List of Singaporean films of 2015
- List of Singaporean films of the 2010s
- List of Singaporean flags
- List of Singaporean football transfer 2022
- List of Singaporean inventions and discoveries
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Orphaned articles are kept at a minimum

<table>
<thead>
<tr>
<th>Article</th>
<th>Importance</th>
<th>Class</th>
<th>Count</th>
<th>Oldest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Augustine Pétié</td>
<td>1</td>
<td></td>
<td>1</td>
<td>August 2023</td>
</tr>
<tr>
<td>General Baokeng</td>
<td>2</td>
<td></td>
<td>2</td>
<td>August 2023</td>
</tr>
<tr>
<td>St Davids Society of Singapore</td>
<td>2</td>
<td></td>
<td>2</td>
<td>April 2022</td>
</tr>
</tbody>
</table>
Why create an index?

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Logarithmic chart of pageviews by spiders on Index of Singapore-related articles (1 June – 30 October 2019)
Issues

Maintaining an index is hard

• Time consuming
• Boring
• A lonely task
• MAXIMUM EFFORT
redundant and unmaintainable system of index articles

[[Wikipedia:Articles for deletion/Index of Abkhazia-related articles]], a discussion to delete 174 indexes
A quick guide
Pathway to create indexes on the fly
General steps

For initial run:

Download and setup script
Get a list of categories
Run script
Manual update
Download and setup script

Prerequisites: NodeJS
Fork and clone https://github.com/robertsky/wikisglinks
In index.js:
  Edit lines 75–78 to match to the head of current index article
  Edit lines 95–102 to match to the end of the current index article
In terminal: npm ci
```
writeFile.write("[short description|none]\n\nwriteFile.write("[[use Singapore English|date-August 2019]]\n\nwriteFile.write("[[use day dates|date-August 2019]]\n\nwriteFile.write("This is a "'list of [[Singapore]]-related articles by alphabetical order"'. To learn quickly what Singapore is, see [[Outline of Singapore]]. Those interested in the\nwriteFile.write("[[alphabetical TOC|numbers=yes|align=center]]\n
writeFile.write("[^-0-9-9^-]\n\nwriteFile.write("[[div col|colwidth=25em]]\n\nvm: headingPosition = 0;\noutputArray.forEach((title) => {
  const firstChar = title.charAt(0);\n  if (firstChar === headings.charAt(headingPosition)) {
    writeFile.write("[[div col end]]\n\nwriteFile.write("[[alphabetical TOC|numbers=yes|align=center|top=yes]]\n\nwriteFile.write("\n\nvm: + headings.charAt(headingPosition) = '=='\n\nwriteFile.write("[[div col|colwidth=25em]]\n\nheadingPosition++;

    }\n    writeFile.write("* [" + title + "]\n\n}\n\nwriteFile.write("[[div col end]]\n\nwriteFile.write("See also\n\nwriteFile.write("[[Outline of Singapore]]\n\nwriteFile.write("[[Lists of country-related topics]] - similar lists for other countries\n\nwriteFile.write("[[portal bar|Singapore|Cities|Islands|Asia]]\n\nwriteFile.write("[[Index footer]]\n\nwriteFile.write("[[DEFAULTSORT:Index Of Singapore-related Articles]]\n\nwriteFile.write("[[Category:Singapore-related lists]]\n\nwriteFile.write("[[Category:Indexes of topics by country|Singapore]]\n```

**WIKIMANIA**

**SINGAPORE**
Download and setup script

Prerequisites: NodeJS

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In index.js:
   Edit lines 75–78 to match to the head of current index article
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In terminal: npm ci
Get a list of categories

In Wikipedia, go to the root category page, i.e. [[Category:Singapore]].

Open browser’s JavaScript console, type:

```
jQuery('span.CategoryTreeToggle[data-ct-state="collapsed"]').click()
```

until satisfied to open all categories in the category tree view.

Note that there may be recursive category branch(es) or unrelated categories.

Copy the category tree into `category-list.txt`

The formatted list should have just the category names, and not with the numbers of sub-categories or pages.
Subcategories

This category has the following 15 subcategories, out of 15 total.

- Singapore-related lists (18 C, 6 P)
- Singapore communications-related lists (1 C, 2 P)
- Singapore culture-related lists (3 C, 1 P)
- Singapore energy-related lists (1 C, 1 P)
- Singapore education-related lists (1 C, 4 P)
- Singapore events in Singapore (10 P)
- Singapore geography-related lists (1 C, 10 P)
- Singapore history-related lists (1 C, 5 P)
- Singapore law-related lists (1 C, 4 P)
- Singapore military-related lists (6 P)
- Singapore military-related lists (1 C, 2 P)
- Singapore military-related lists (1 C, 2 P)
- Singapore non-government-related lists (1 C, 3 P)
- Singapore police-related lists (3 C, 1 P)
- Singapore religion-related lists (1 C, 2 P)
- Singapore science-related lists (2 C)
- Singapore sport-related lists (1 C, 14 P)
- Singapore transport-related lists (16 P)
- Buildings and structures in Singapore (9 C, 44 P)
- Buildings and structures in Singapore by region (3 C)
- Buildings and structures in Singapore by type (25 C)
- Buildings and structures in Singapore by location (13 C, 22)
- Buildings and structures under construction in Singapore (4 P)
- Former buildings and structures in Singapore (1 C, 1)
- Proposed buildings and structures in Singapore (1 C, 1)
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1820</td>
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<tr>
<td>2</td>
<td>1820s</td>
</tr>
<tr>
<td>3</td>
<td>1823</td>
</tr>
<tr>
<td>4</td>
<td>1823 in Singapore</td>
</tr>
<tr>
<td>5</td>
<td>1824</td>
</tr>
<tr>
<td>6</td>
<td>1827</td>
</tr>
<tr>
<td>7</td>
<td>1829</td>
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<tr>
<td>8</td>
<td>1841</td>
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<td>1849</td>
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<tr>
<td>12</td>
<td>1850s</td>
</tr>
<tr>
<td>13</td>
<td>1850s in Singapore</td>
</tr>
<tr>
<td>14</td>
<td>1858</td>
</tr>
<tr>
<td>15</td>
<td>1858 in Singapore</td>
</tr>
<tr>
<td>16</td>
<td>1859</td>
</tr>
<tr>
<td>17</td>
<td>1862 in Singapore</td>
</tr>
<tr>
<td>18</td>
<td>1862</td>
</tr>
<tr>
<td>19</td>
<td>1865</td>
</tr>
<tr>
<td>20</td>
<td>1865 in Singapore</td>
</tr>
<tr>
<td>21</td>
<td>1872</td>
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<tr>
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<td>26</td>
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<td>28</td>
<td>1888</td>
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<td>29</td>
<td>1898</td>
</tr>
</tbody>
</table>

**Wikimania**

**Singapore**
Run script

In terminal, run `node index.js`

Copy out the compiled text from pages3.txt into the index article.
General steps

For subsequent runs

Monitor changes in categories, i.e. with [[User:AlexNewArtBot/SingaporeSearchResult]]

Run script
What’s next?

- Collaborative web app with graphical process flow
- Templating the generated index output