openZIM – Wikipedia Offline
standardized offline storage for websites

ZIM File Creation

Webserver / Wiki

HTTP

wiki2html

Filter

files in alphabetical order
HTML, JavaScript, CSS, ...

Creating Full Text Search Index

Writing ZIM File

ZIM File
article and files content

libzim

ZIM File
fulltext index search

Reading ZIM File

Searching

or any other ZIM-capable reader!
...like Kiwix...

just integrate libzim into your software