openZIM – Wikipedia Offline
standardized offline storage for websites

ZIM File Creation

Webserver / Wiki

HTTP

wiki2html

Filter

files: HTML
JavaScript, CSS, ...

Creating Full Text Search Index

Writing ZIM File

zimwriter

libzim

zimwriter

libzim

DVD / storage

ZIM File

article and files
content

ZIM File

fulltext index
search

zimreader

libzim

Reading ZIM File

Searching

...

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

just integrate libzim into your software