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SoftDev
P00 - Wiki

Program Components
    Backend updates
- Sql database population as outlined in database organization
- python function to parse wiki file: *parse_wiki*
    - Input: path/to/wikifile
    - Returns: 2D list of pages referenced, with
      [page_referenced, (optional) nickname] elements
- python function to update SQLite3 database: *update*
    - Input: directory of wiki files
    - Process:
        - Prunes SQL database of orphaned tables
        - Gets list of page-reference data from *parse_wiki*
        - Creates/updates table for each wikifile in directory
    - Returns: none
    - Issues: how do we recursively search directories?
    Rendering
- python function to replace wiki syntax with HTML link syntax:
  render
    - Input: path/to/wikifile
    - Returns: plaintext, valid HTML such that wiki syntax is
      replaced with <a> tags and nicknames for pages are shown
      if indicated
- Python function to return contents of index table as HTML:
  index_contents
    - Input: none
    - Returns: contents of index as HTML
- python script to generate webserver: app
    - Root ("/") route returns *index_contents()*
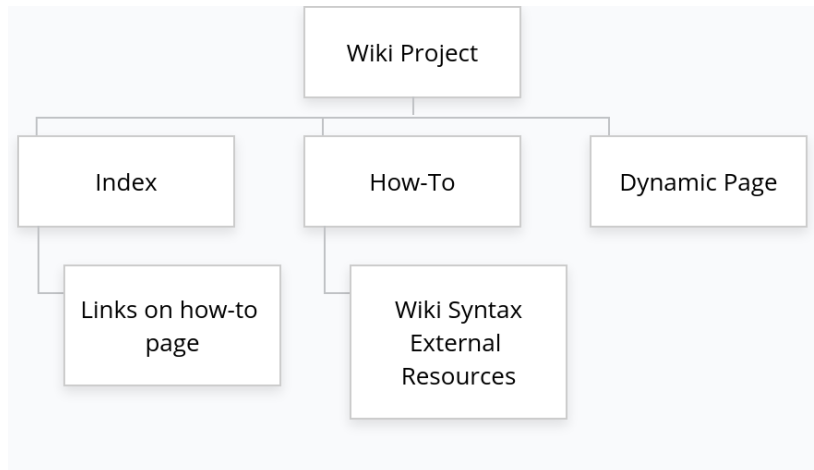   - Variable ("/<page>") route returns *render(page)*
    Starter pages
- Ships with how-to docs and sample wiki links

Database Organization
- 1 master table with all wiki pages called "index"
    - TEXT pagename PRIMARY KEY | TEXT path/to/wikifile
- One table for each new page created, titled the name of the
  file
    - TEXT page_referenced PRIMARY KEY | LIST nicknames
        - nicknames must be unique

<u>Site Map</u>

Wiki Project

Index   How-To   Dynamic Page

Links on how-to page   Wiki Syntax External Resources

- Index - list of entries in **index** table
- How-to - both a sample wiki page and a guide to creating wiki pages
    - Wiki syntax
    - External resources
- Dynamic page - updates based on content in wiki

<u>Breakdown of Tasks</u>
    Anthony (A); Elizabeth (E); Maya (M)
-     E: Write howto/filler text for how-to and its subpages
- E, A: Write parse_wiki
- A, M: Write update
- E, M: Write render
- E, M: Write index_contents
-     A: Write app

<u>Further resources</u>
<u>Obsidian wiki formatting</u>: help.obsidian.md/How+to/Format+your+notes