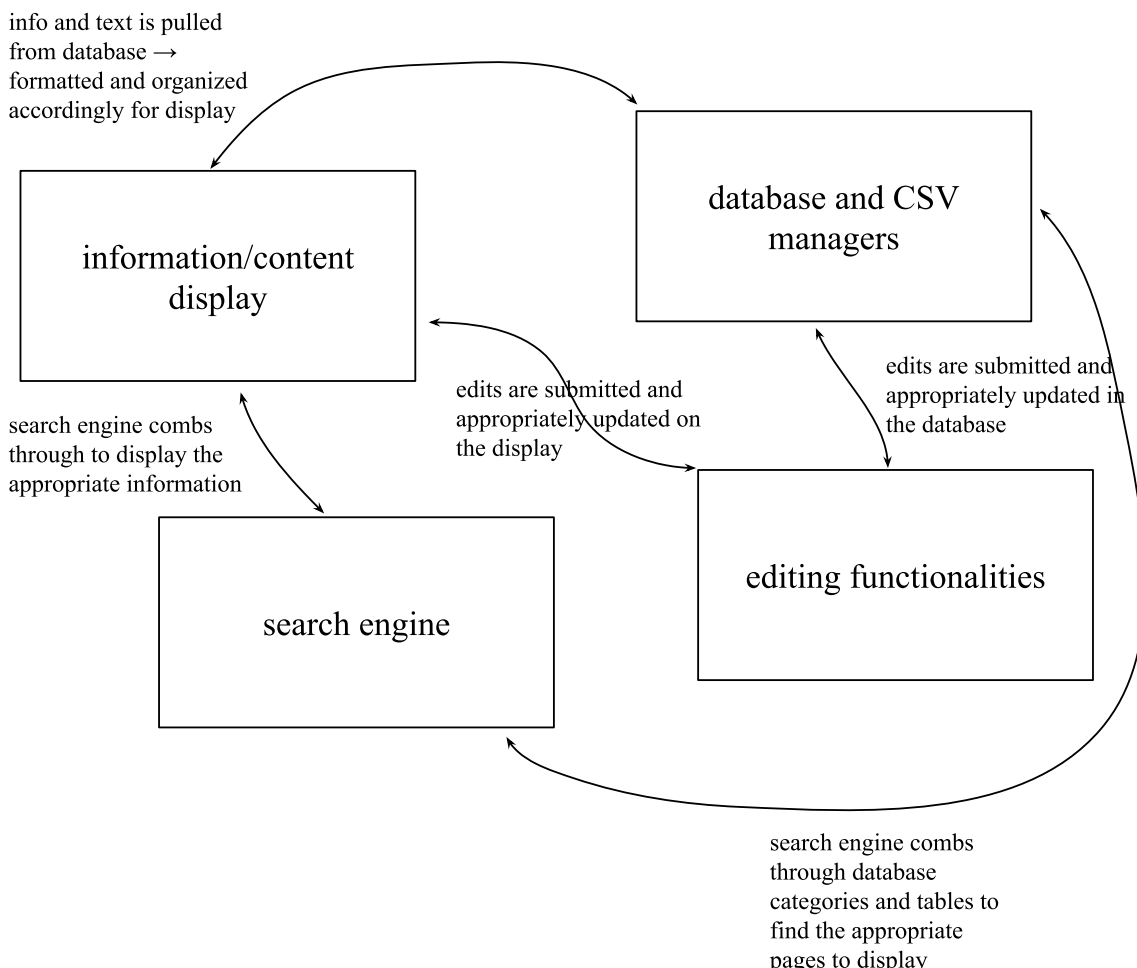TEAM FERRARI: Abid Talukder, Craig Chen, Raven (Ruiwen) Tang
SoftDev
P00 - Design Doc
2022-10-27
time spent: 1.2 hours

Target Ship Date: M 2022-11-07

List of Program Components:
- Information/content display - will allow our site to display information, organized into subtopics, and update according to user edits
- Editing functionalities - will allow users to make and submit edits to information on the wiki
- Search engine (not part of MVP) - will allow users to find specific subtopics or pieces of information based on keyword inputting, and perhaps based on filters

Relationships Between Program Components:

info and text is pulled
from database →
formatted and organized
accordingly for display

information/content
display

database and CSV
managers

search engine combs
through to display the
appropriate information

edits are submitted and
appropriately updated on
the display

edits are submitted and
appropriately updated in
the database

search engine

editing functionalities

search engine combs
through database
categories and tables to
find the appropriate
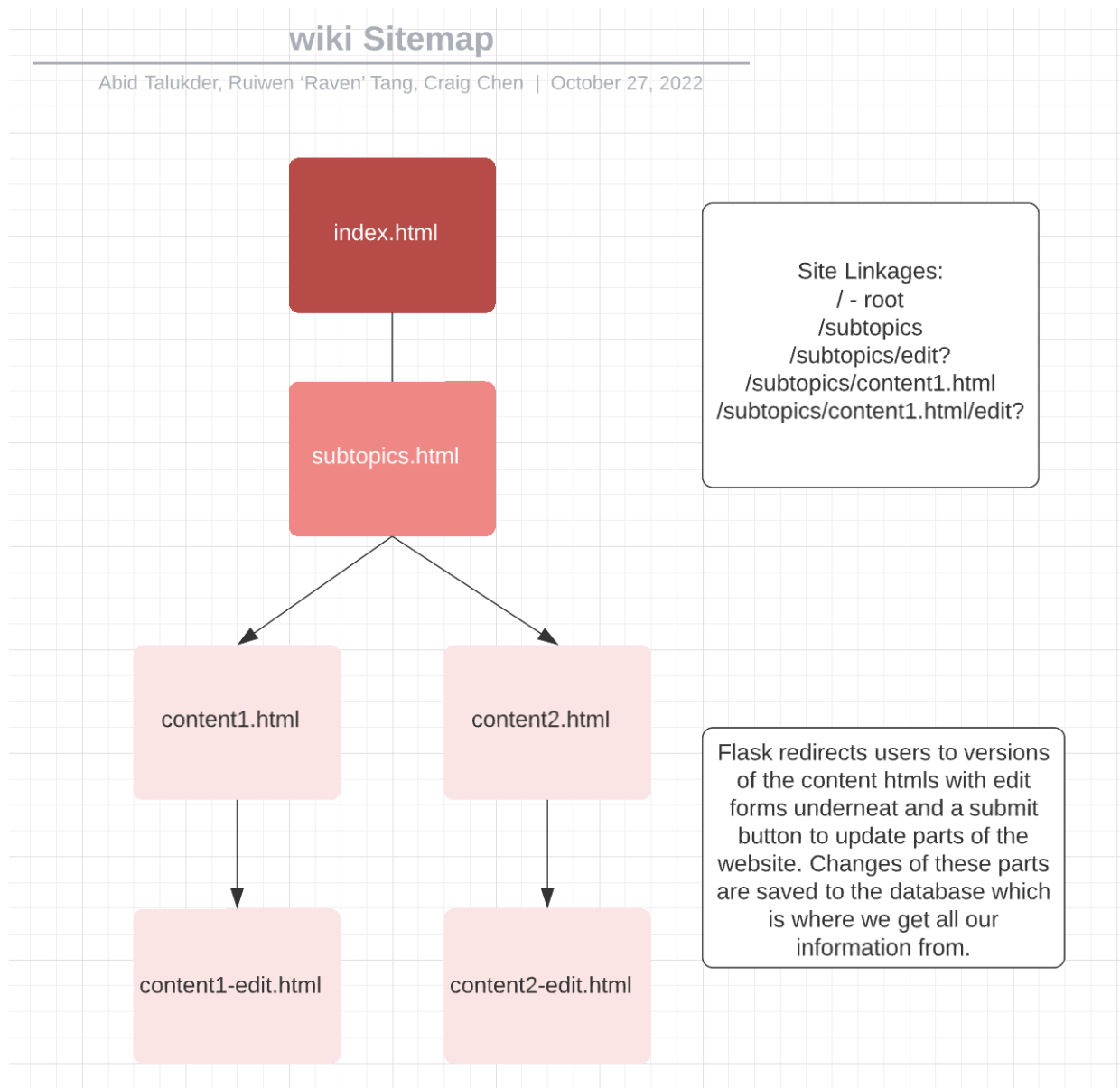pages to display

Database Organization:
- Table of articles
  - Subcategories
  - Title
  - Contributors/authors (list)
  - Date last updated
  - Dictionary key-value pairs for organizing an article
    - {"heading_title": {"subheading" : String - paragraph }}
- Table of contributors/authors
  - Legal name
  - Username
  - Articles contributed to
  - Last active date/time
  - Phone number
  - Email text
- Table of languages
  - English (ex column) - available articles in English
  - Spanish (ex column) - available articles in English
  - Chinese (ex column) - available articles in Chinese
  - …
  - Count of articles in each language
- Table of subcategories
  - Dictionary pairs linking subcategories to articles
  - Culture
  - Art
  - Religion
  - Sciences
  - …
  - Count of articles in each subcategory
- Table of Company Contact Information
  - Name text
  - Phone number
  - Email text

Tables are related through columns (contributor username column, article title column)

Frontend:
- Homepage
  - index.html
  - Root of the website

- ○ Introduces users to what the wiki is about and the different subtopics that they can find inside of it
- ○ Copyright information
- ○ Heading that can be used to show our logo, and company name, search bar
- ● Subtopic Pages (table of contents)
  - ○ Shows links to the different topics inside this general category
  - ○ Shows a editing icon for users to add new pages and topics
- ● Content Pages:
  - ○ Headings, subheadings, and text!
  - ○ Editing icons for people to submit forms and edit the content
- ● Editor Page
  - ○ Opens up when users select to edit a subtopic page

wiki Sitemap

Abid Talukder, Ruiwen 'Raven' Tang, Craig Chen | October 27, 2022

index.html

subtopics.html

Site Linkages:
/ - root
/subtopics
/subtopics/edit?
/subtopics/content1.html
/subtopics/content1.html/edit?

content1.html

content2.html

Flask redirects users to versions of the content htmls with edit forms underneat and a submit button to update parts of the website. Changes of these parts are saved to the database which is where we get all our information from.

content1-edit.html

content2-edit.html

Breakdown of Tasks

- Planning out design doc (AT, CC, RT)
- Populating and setting up database, using Python db builder (AT, CC, RT)
- Writing out HTML skeleton for frontend pages (CC, AT)
- Populating HTML skeleton using Python methods and database information (AT, RT)
- Creating editor page and text input/reception, linking to database and CSV files / updating articles (CC, RT, AT)
- For the future: search engine work (TBD)