

Team itWorksOnMyMachine

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SoftDev

P04: Makers Makin' It, Act II -- The Seequel

2025-03-27

Time Spent: 2

Target Ship Date: 2025-04-07

Project Idea/Description:

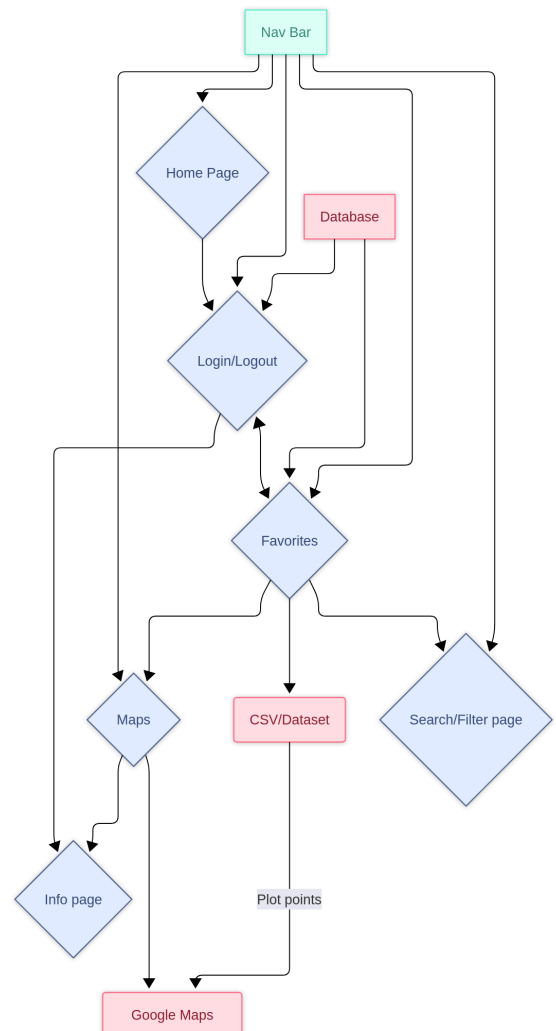
Recreation of Google maps with UNESCO World Heritage sites “highlighted” on the map. Clicking on any individual marker on the map leads to a resource page with information about the site from the dataset. Another feature is being able to filter out certain sites from the dataset and being able to “mark”/favorite sites that you enjoy when logged in.

Components:

- Google maps replica
 - Clicking on countries will show the landmarks there
- Page that allows you to filter results
 - Allows you to choose certain parameters that will prevent certain results from showing up
 - Being able to clearly see data through this
- User Accounts:
 - Logging in and logging out
 - Register for an account
 - Using sessions to remain logged in
 - Being able to favorite sites

Component Relationship:

- Users can use the website while they are not logged in. However, they cannot have favorite pages.
- Route to a landing page where the user can sign up/login



Component Map:

- Homepage/Maps
 - Contains the main map
- Login/Logout
 - Allows you to login and logout
- Favorites/Settings
 - Accessible with accounts
- Search/Filter
 - Filter results of the map

Database(s):

Username	Password	Favorites

Roles (task breakdown):

Caden Khuu (PM)

Database SQL
Python Backend

Tiffany Yang

HTML
CSS

Qianjun Zhou

Python Backend

Wen Zhang (wenyz_)

Python Backend
Full stack dev

Site map: [Front end]

- Nav Bar
 - Home
 - Login -> logout (if logged in)
 - Maps
 - Search (the filter page)
 - Favorites (redirects to login if logged out)
- Map Page
 - Google maps API with markers that would link to page w/ information on the site
- Search/filters
 - Search bar with filter tools/options, results can link to page w/ information on the site

Tooling:

Framework: Tailwind

VisualizationLibrary: d3js

Database: SQLite

Frontend: HTML/CSS

Backend: Python

APIs:

- Google Maps

<https://docs.google.com/spreadsheets/d/10fVDWtyW5p7nbSv98Ru6-jGkhoZulR8UnJSHesuZh0Y/edit?gid=29143161#gid=29143161>

<https://www.kaggle.com/datasets/joebeachcapital/unesco-world-heritage-sites/data>

<https://whc.unesco.org/en/list/> or <https://whc.unesco.org/en/syndication>