

Wandering Lights | Sophie Liu (Quacky), Ryan Wang (Jack), Jonathan Wu (Loki), Roshani Shrestha (Pete)

SoftDev

P01: ArRESTed Development - Design Doc for P01

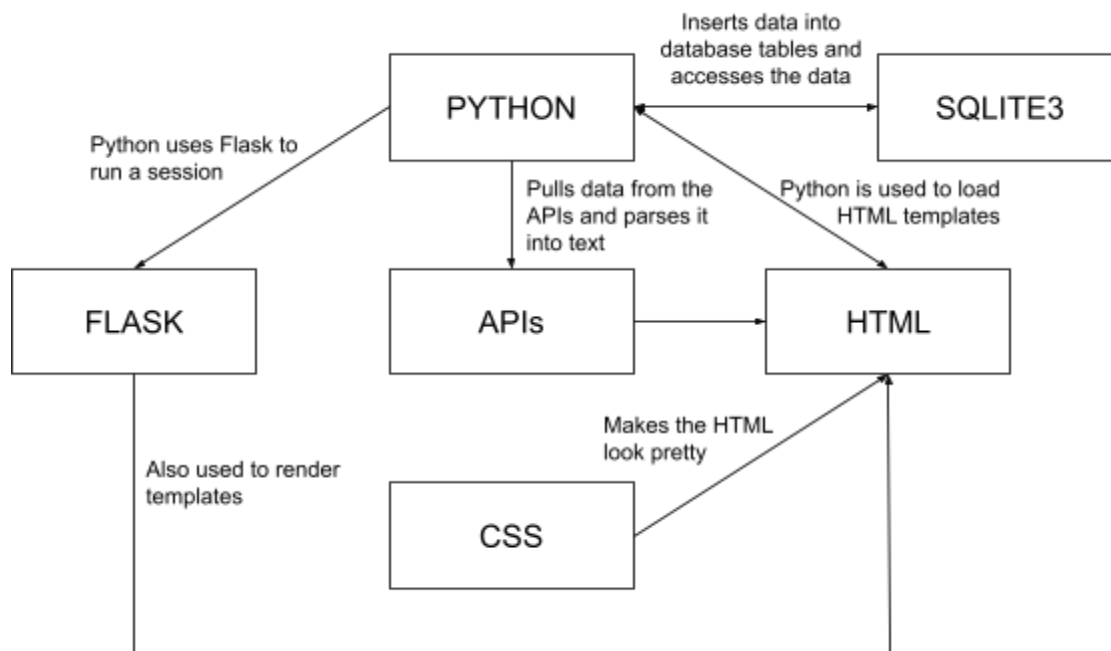
2021-12-07

time spent: ~3.3 hours

Project Description

This website will take in user input on the home page and provide a suggestion for a vacation that the user can go on.

Component Map



Program Components

Python:

- This will be used to build the website and access the APIs.

Flask:

- This will be the server our website will use.

HTML:

- Provides the text/skeleton of the website.

APIs:

- Allows us to retrieve data and use it for our website.

SQLITE3:

- This will store all the information regarding usernames and passwords, countries, suggestions, etc.

CSS:

- We will use Bootstrap as our front-end framework because we believe it looks better visually. There is also a wider color palette.

Login Page:

- The user can input their username and password in the text boxes before submitting by clicking the submit button.
- After submitting, the user is redirected to the home page.
- If the user doesn't have an account, they can click the register button.

Register Page:

- The user can input a new username, new password, and retyped password in the text boxes before submitting by clicking the submit button.
- After submitting, the user is redirected to the login page.

Home Page:

- There will be dropdown menus, check boxes, and a general submit button for the user to input some basic information. When the information is submitted, it will be used to suggest a vacation idea for the user.
- Inputting information is optional. If the user chooses to input no information at all, they can just press the submit button and the vacation idea will be completely randomized.

Information that the user can input:

- countries the user is interested in traveling to (dropdown menu)
- subjects of books that the user likes (dropdown menu)
- languages that the user knows (dropdown menu)
- continents that the user is interested in traveling to (check boxes)

Vacation Page:

- This will show up after the user submits the information in the home page.
- The page will display the name of the suggested country, the forecast for the capital city, some holidays in the country the user could learn about, a suggested activity, and a suggested book to read.
- The categories listed on the page are all cards that expand once clicked. Once clicked it will show all the corresponding information that matches the data checked off on the home page.
- Displays an image/video of the place or something else associated with the vacation as well.
- There will be a save button so that the user can save the ideas they like the most.

Saved Vacations Page:

- This will display the user's saved vacation ideas, which includes all the information accompanying it.
- They will be able to access more than one saved vacation idea.

Database Organization

User data.

Username (TEXT)	User ID (INTEGER, Primary key)	Password (TEXT)
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Saved Vacation Ideas

User ID (INTEGER)	Name of Country (TEXT)	Forecast for the Capital City (TEXT)	Holidays in the Country (TEXT)	Suggested Activity (TEXT)	Suggested Book to Read (TEXT)	Image/Video Link (TEXT)
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APIs

Countries to visit:

REST Countries:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_RESTCountries.md

Activities to do:

Bored API:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_BoredAPI.md

Books to read:

Open Library:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_OpenLibrary.md

and/or

Google Books:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_GoogleBooks.md

The forecast for an area in the country:

Weather API:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_WeatherAPI.md

Rain Viewer:

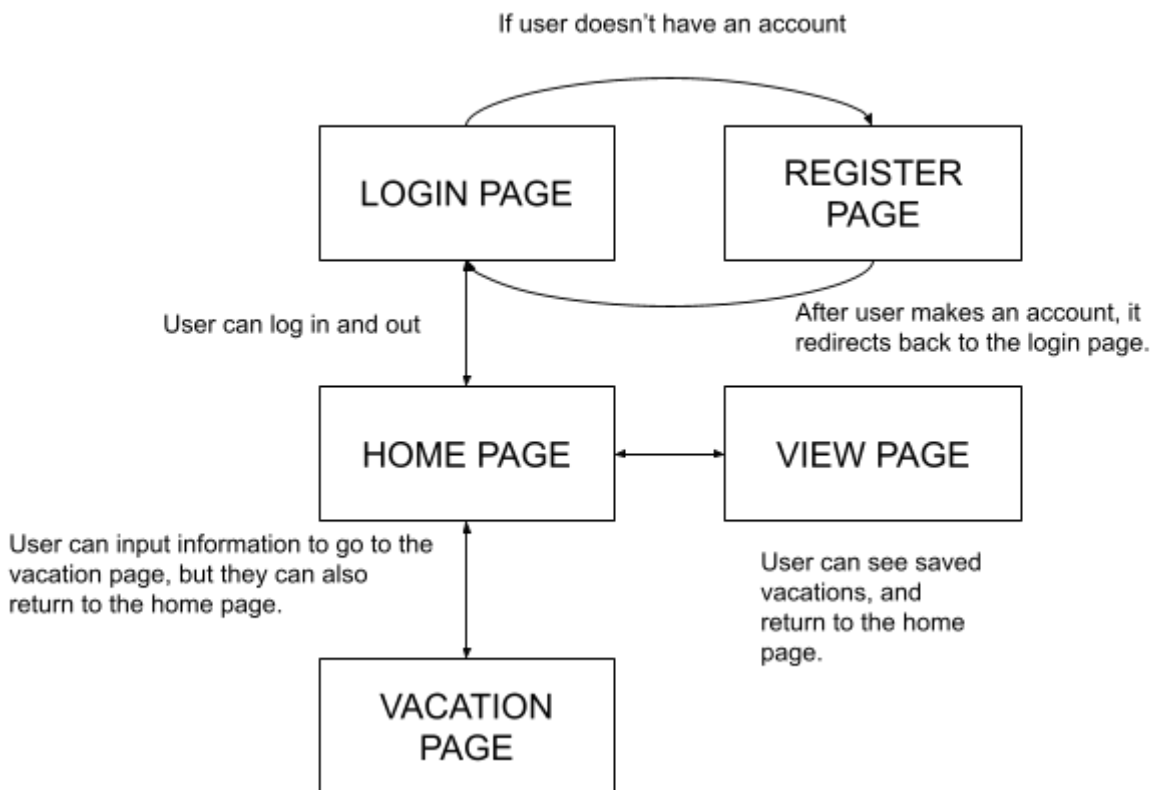
https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_RainViewer.md

Holidays in the country:

Abstract Public Holidays:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_AbstractPublicHolidays.md

Site Map



Login Page:

Login:

Username:

Password:

Register Page:

Register:

Username:

Password:

Retype Password:

Home Page:

Home	View	Logout
<p>Name of the site</p> <p>Brief description</p> <p>Information to input:</p> <p>Dropdown menus and check boxes that the user can use:</p> <div><input type="text"/></div> <div><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></div> <div><input type="button" value="Submit"/></div>		

Vacation Page:

Home	View	Logout
<div><input type="text" value="Country"/></div> <div><input type="text" value="Weather"/></div> <div><input type="text" value="Holidays"/></div> <div><input type="text" value="Activities"/></div> <div><input type="text" value="Books"/></div>		

View:

Home	View	Logout
<div>Country</div> <div>Weather</div> <div>Holidays</div> <div>Activities</div> <div>Books</div>		

Tasks

Sophie Liu - frontend/bootstrap/html

Ryan Wang - backend/python/api/flask

Jonathan Wu - backend/python/api/flask

Roshani Shrestha - frontend/bootstrap/html

Target “Ship” Date

December 23rd, 2021