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SWDV691
Week 1
Proposed Project Idea and Minimum Viable Product (MVP)

Description

Project: Vacation Hub. A blog for users to upload photos of their vacations. Users will be able to add details of their experience, ratings, and pricing information for others to see.

Problem: Often times people want to go on a vacation but don't know where to start. There are a lot of details that go into planning a great vacation that include destination, travel options, lodging options, and activities once you arrive. There should be a place that people can go to do get ideas on a vacation with honest reviews from people who have visited themselves. Along with this people also are not sure if they are getting the best prices on flights and hotels once a destination is chosen. Lastly, once people arrive to their destinations, they are not sure what to do.

User Personas: This application will benefit a wide range audience. Vacationing is something that people of all ages, races, religions, and backgrounds do. This application would benefit young adults who want to go on a group trip with their friends, couples looking for a romantic trip, and single people needing to just getaway. Both young and older people can benefit from using this application.

Value: Users can benefit from using this application because they are getting an all-around solution to their vacations all in one place. The user will get real reviews and ratings from people who vacationed in the places they are looking into. The user will get the best prices on traveling and lodging. The user will also get ideas on things to do when they get to their destination. This will save the user both time and money. The business will benefit from the application as well through referrals on cheap flights and hotels. There will be opportunities for brand endorsements as well.

User Solution/User Interaction:

Name: Creative Candice

Problem: Not being able to communicate vacation plans with group of friends to share flight and hotel information efficiently.
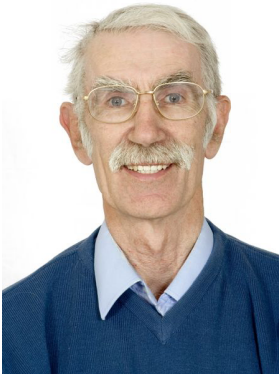
Solution: Will create a group chat on Vacation Hub and share all ideas with her friends in one place.

Name: Technical Tyler

Problem: Trying to find the best deal to take his wife and 2 children on Summer vacation.

Solution: Will create an account and Vacation Hub and be able to compare prices and get the best deal.

Name: Eager Ed

Problem: Not able to find activities for his and his wife's anniversary vacation.

Solution: Will look on Vacation Hub and find a list of activities that him and his wife would enjoy.

Name: Luxurious Lisa

Problem: Wants to plan a solo vacation but doesn't know where.

Solution: Will look on Vacation Hub for ideas, prices, and reviews to help make her decision.
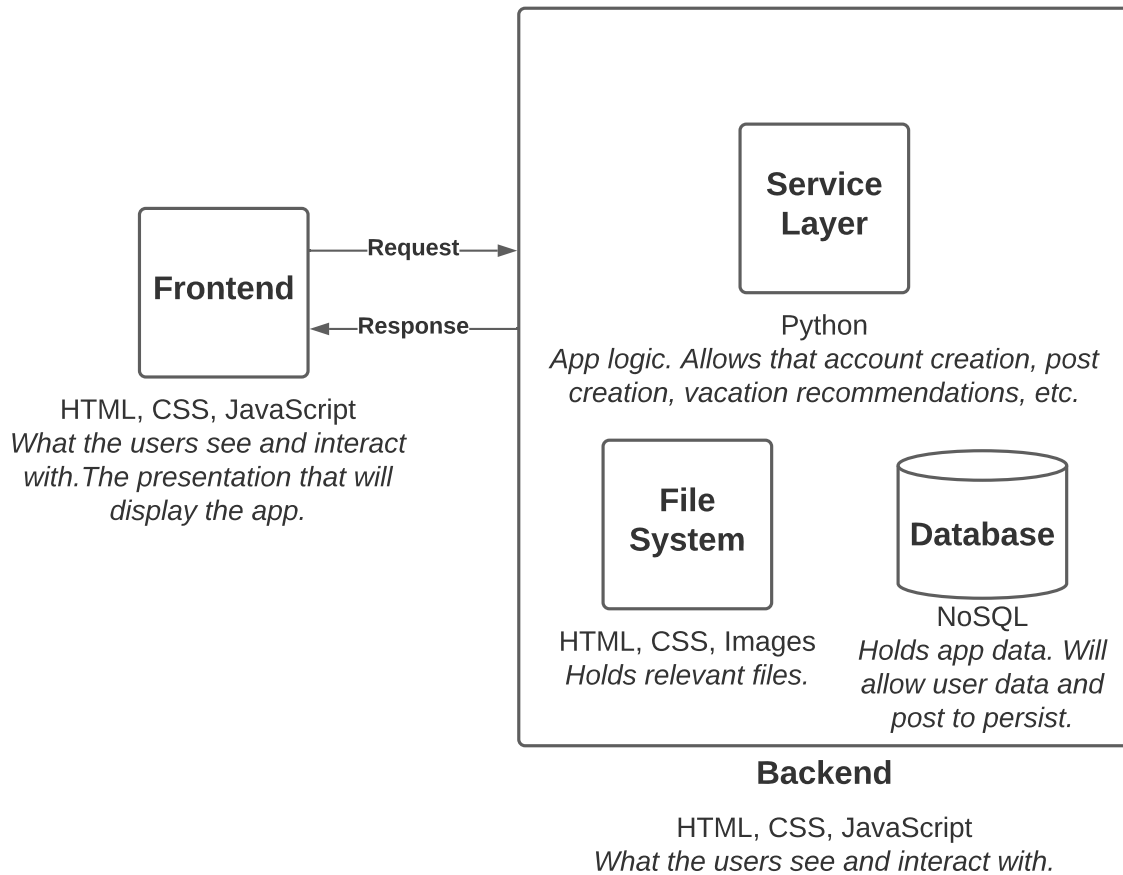
Minimum Viable Product (MVP)

Features:
- Account Creation (==**MVP**==): the user should have the ability to create an account using their email address. Once the user signs up they will be able to enter in some information that will make recommendations based on all of this information they are providing. The user should be able to log out and log in and have all of the information saved.
    - Sign up.
    - Sign in.
    - Enter personal information.
- Create a Post (==**MVP**==): every user will have the capability to create a new post. When creating a post, the user will have to add a photo, add a category that the photo pertains to (things to do, restaurants, hotels, or just general vacation photos), description, etc.
    - Add photo.
    - Category.
    - Description.
    - Expenses.
    - Rating.
    - Review.
- Save posts: the user will be able to save a post. This will create a list of posts that they have saved so they can go back and look at the posts later.
    - Collection of saved posts to view later.
- Interact with other users (==**MVP**==): all users will be able to like a comment on other posts.
    - Like.
    - Comment.
    - Share in group chat.
- Price Comparison: each post will have information on expenses to help users make the best decision on where they would like to go on vacation.
    - Flight.
    - Hotel.
- Create Group Chat: registered users will be able to make a group chat will multiple users to discuss vacation plans.
- Vacation Recommendations: users will be shown recommendations based on their behaviors – saved posts, photos liked. Etc.

Data:

Architecture

Frontend

Request →

← Response

Frontend

HTML, CSS, JavaScript
What the users see and interact with.The presentation that will display the app.

Service Layer

Python
App logic. Allows that account creation, post creation, vacation recommendations, etc.

File System

HTML, CSS, Images
Holds relevant files.

Database

NoSQL
Holds app data. Will allow user data and post to persist.

Backend

HTML, CSS, JavaScript
What the users see and interact with.

- User: each user created will be an object with the following attributes:
  - Name.
  - Username.
  - Email Address.
  - ID.
  - Post.
- Post: each post created will be an object with the following attributes:
  - ID.
  - Photo.
  - Caption.
  - Category.

- Flight.
- Hotel.
- Rating.
- Review.
- Location.

The data will be made up of User and Post objects. One User can have multiple Post objects, which will be associated by the IDs to keep track of who posts what.