Project Report

Title: EzTravels

Who:

Team Members:
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Project Description:

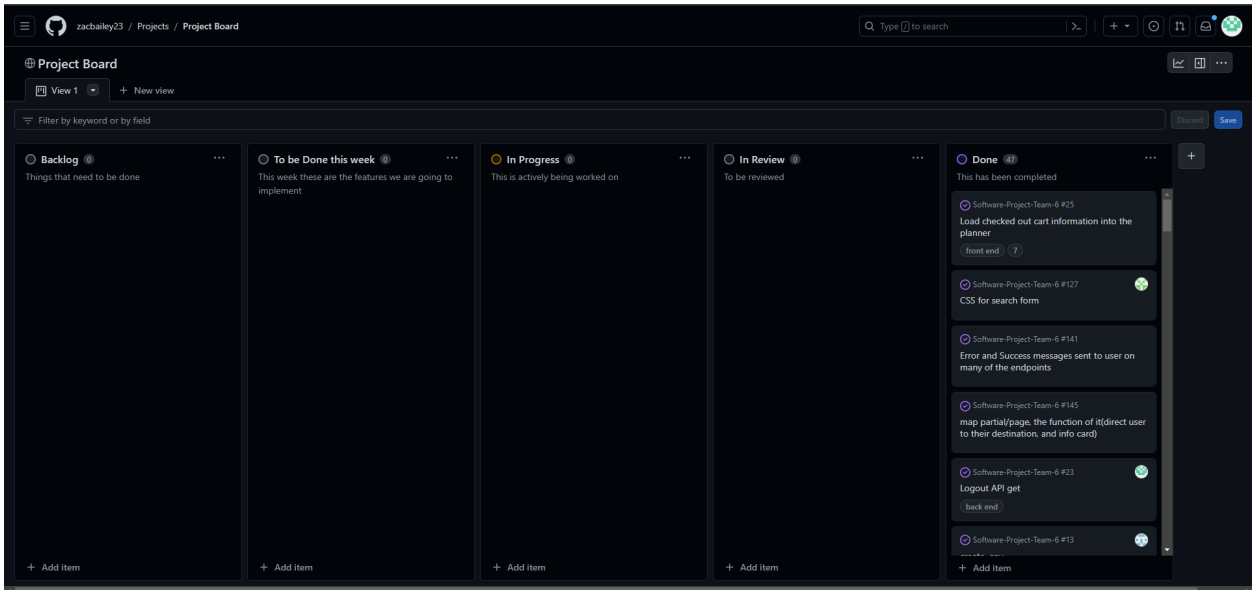
EzTravels is an innovative and user-friendly travel planning platform that aims to help the way people organize their trips. We understand that planning a trip can be a daunting task, and making plans while also building an itinerary can be lots of work, which is why we have designed our platform to encompass both of these things.

One of the key features of EzTravels is its search engine, which allows users to effortlessly find and compare flights and hotels for their desired destinations. Our extensive database includes a wide range of options to suit various preferences. Once you've made your selections, you can easily add them to your itinerary in the planner tab, along with any other details you would like to add.

The homepage of EzTravels offers a curated list of popular destinations, providing inspiration for your next journey. Additionally, our platform allows you to filter your search based on specific criteria, such as travel dates and accommodation preferences, ensuring that you find the perfect options tailored to your needs.

With EzTravels, planning your dream vacation has never been easier. Our goal is to simplify the travel planning process, saving you time and reducing the stress often associated with organizing a trip. Join us on EzTravels and embark on a journey of effortless and enjoyable travel planning. Your adventure begins here.

Project Board: https://github.com/users/zacbailey23/projects/1



Video / Demo

https://drive.google.com/file/d/1HayYj_rWBVCCgaDFqeVuY0vp-zhc1jhT/view?usp=sharing

Repository:

https://github.com/zacbailey23/Software-Project-Team-6

Contributions:

https://github.com/zacbailey23/Software-Project-Team-6

Zac Bailey's Contributions

My contributions involved many things related to the flight and hotel data. I created API calls for hotels and flights, which involved the endpoints, functions to extract the data from the object which was returned from the axios call, and the javascript and ejs to fill in the cards with the respective information for the flights and hotels. I implemented the google search based on the flight/hotel, which sends the user to a search for the flight/hotel they were looking at. I also worked on the client side initialization, manually creating and updating the flights, hotels, and the drop down menus with popular airports and locations.

Andrew Johnston's Contributions

I contributed to setting up and managing tables needed for our initial database. As new data points were added I would create and manage the tables, making sure that they all connected properly. I worked on messages on login and register to notify the user of incorrect input. I

worked on css for login, register, homepage, searchResults, navbar, and all the hotel and flight cards.

Hana Burroughs's Contributions

I made some of the initial sql inserts for flights, hotels, and cars (before cars were scrapped). These were set up so we could transition from having the hotel/flight data hardcoded into the cards on the homepage and could instead be called with an sql query. I created the footer partial. I have been doing css for the homepage involving the search feature, buttons for the nav bar, linking the css pages and eliminating the need for style sections in each ejs file, and formatting the search results page.

Noah Pritchard's Contributions

I contributed to creating the database and managing planner items that users can add to their planners. The database created was changed once we had a better understanding of what endpoints we needed and how the database would function. This meant many changes to the homepage, search page, and planner page so they would work with the API functions that we created. These endpoints allow users to add hotels or flights to their planner from either the homepage or from the user's unique search.

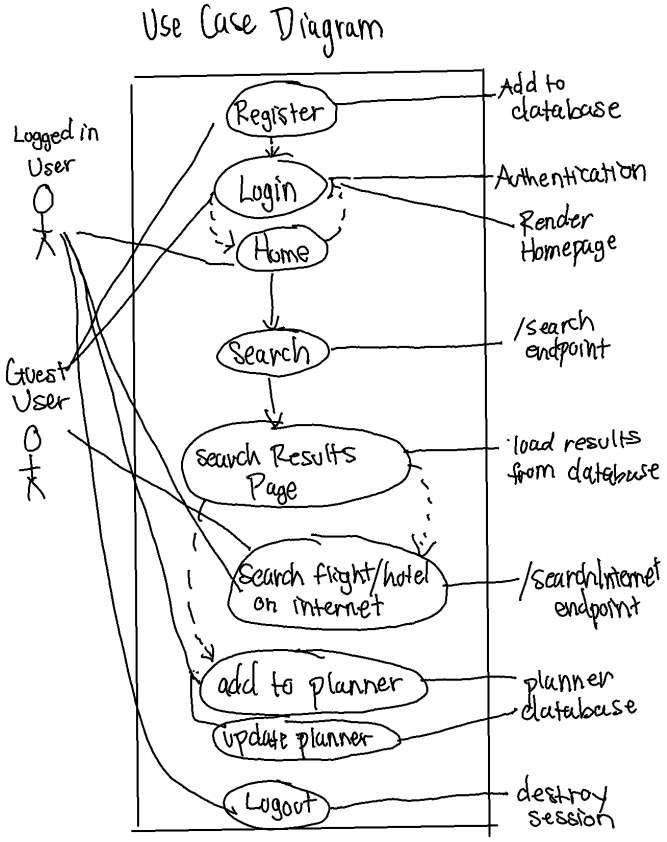
Joshua Sun's Contributions

My contributions include searching and final settlement of a suitable API to add maps to where they are most needed, to enhance user experience by locating the hotels without searching separately on a web browser. The difficulty for me lies in choosing the right API: having made two attempts, both following the documentation guidelines to implement desired functionalities, but ended up with the second, Google Maps embed API, which works perfectly. Other contributions: autocomplete function for the hotel search, useful feature, but ended up not working, so relinquished(code and file still present and pushed).

Audra McDermott's Contributions

I contributed to the nav-bar, planner, and sql tables. Although the nav-bar was later edited by others, I wrote the preliminary nav-bar code and ejs. Because the planner was heavily dependent on the sql tables, I ended up helping troubleshoot the sql tables, as well as redesigning the planner_item table in order to simplify the planner. Additionally, I helped recycle the cart code into planner code by redoing the delete route to suit planner items. I also completely wrote the planner page and the planner get route in order to show and pre-load a user's planner items from the database.

Use Case Diagram:



Test results

Scenario 1: User Login

Test Results:

- Test Case 1: The user successfully logged in with the correct username and password.
- Test Case 2: Authentication failed when incorrect credentials were provided, as expected.
- Test Case 3: The system displayed a clear error message stating "Incorrect username or password" when incorrect credentials were provided.

Observations:

- Users can log in with the correct credentials, indicating that the authentication system is functioning correctly.

- The error message for incorrect credentials provides helpful feedback to users, ensuring a good user experience.

Scenario 2: Flight and Hotel Searching

Test Results:

- Test Case 1: The system displayed a list of available flights from New York to Los Angeles as expected.
- Test Case 2: Hotels were successfully searched for and displayed based on the desired city.
- Test Case 3: The selected flight at an incorrect time displayed a “No results found” message as expected.
- Test Case 4: Searching for a bogus city autofilled the closest options to the provided string.

Observations

- The flight search feature works as intended, showing relevant flight options.
- The searching process is quick and usually comes up with relevant results.
- Entering a bogus and invalid city name returns results with the similar strings to that of the one input. So if the input was boogadsfaser, it came up with the closest city which was Boon in Iowa.

Scenario 3: Planner Management

Test Results:

- Test Case 1: The planner displayed all the planner items that were added for the user.
- Test Case 2: Users could easily update the planner items in case of a mistake.
- Test Case 3: Removing an item from the planner worked as expected, with the selected item disappearing from the planner.

Observations:

- The planner management features are user-friendly and intuitive, allowing users to adjust their bookings and plans effortlessly.
- Users can easily add, modify, or remove items from their planner, enhancing their overall experience.

Deployment:

http://recitation-14-team-6.eastus.cloudapp.azure.com:3000