

Group #8: Travel Assist

Zavier, Jasper, and Joon

Description:

- Problem: Group trips are notoriously hard to plan and coordinate. Keeping track of all the tasks that need to be completed can be incredibly challenging to do across instant messaging.
- Solution: The travel coordinator aids in planning both solo and group trips by providing a platform to keep all your information in one place: dates, locations, budgets, and itineraries can all be viewed and adjusted here.

Key Features:

- Task List: a to-do-list-like feature to assist individuals in planning what tasks need to be done before, during, or after the trip. Optionally adding a modifiable packing list.
- Messaging between group members.
- Budgeting features: Group members can include fees for travel, food, fun, etc.
- Itinerary: Group members can add events/activities they are interested in or intend on participating in, including when, where, what it is, and optional costs.

[Link to tagged repo](#)

[Link to issues/milestones](#)

Meet ✨*The Team*✨

Jasper

- Role: TimeKeeper
- 3 Assigned Issues:
 - Main Page UI
 - Pop-Up Form UI
 - User Profile Data

Zavier

- Role: Note-taker
- 3 assigned issues:
 - Trips Data
 - Messaging UI
 - Messaging Data

Joon

- Trip-page manager
- 3 Assigned Issues:
 - Trip-page UI
 - Sidebar Connection
 - Todo UI

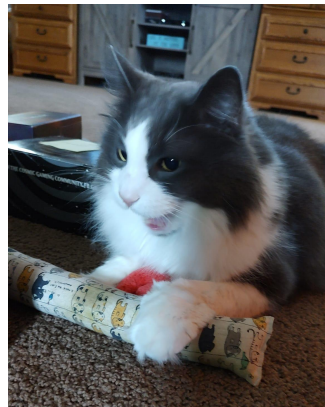
Zavier Morales

Email: zmorales@umass.edu

About me: I'm a Junior in CS, and I'm interested in biotechnology, machine learning, and LOTR! I have some experience in TS/JS, React, Vue, Html, CSS, and Google APIs, but I learn fast and I'm willing to work with any stack we choose.

Favorite quote: "Some infinities are bigger than other infinities." — John Green, *The Fault in Our Stars*

Reflection: Coordination for trips has always been a headache for friends and I, especially agreeing on times, tickets, pricing, and even finding a time to meet up to talk about the trip. This app seems like a really good idea to centralize all of these problems, and also it includes a range of tools to implement, which sounds fun.



Jasper McCormack (He/Him)

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I'm a transfer student from Holyoke Community College and in my Junior year. I've taken CS 220, have some HTML experience, and have worked with GUI applications in Java already. I have an interest in visual design, digital or physical artwork, and website development.

I believe that a travel planner is a fun and interesting application to build since I personally have trouble organizing my personal plans and budgeting for trips, and coordinating with other people to complete tasks can be incredibly difficult with generic messaging and calendar apps. A consolidated application would ease a lot of stress.



I don't know anything with any certainty, but the sight of the stars makes me dream"
- Vincent Van Gogh

Joonhyun Heo's trip-page slides

Assigned Work Summary:

Draft for the Trip-page with html and css.

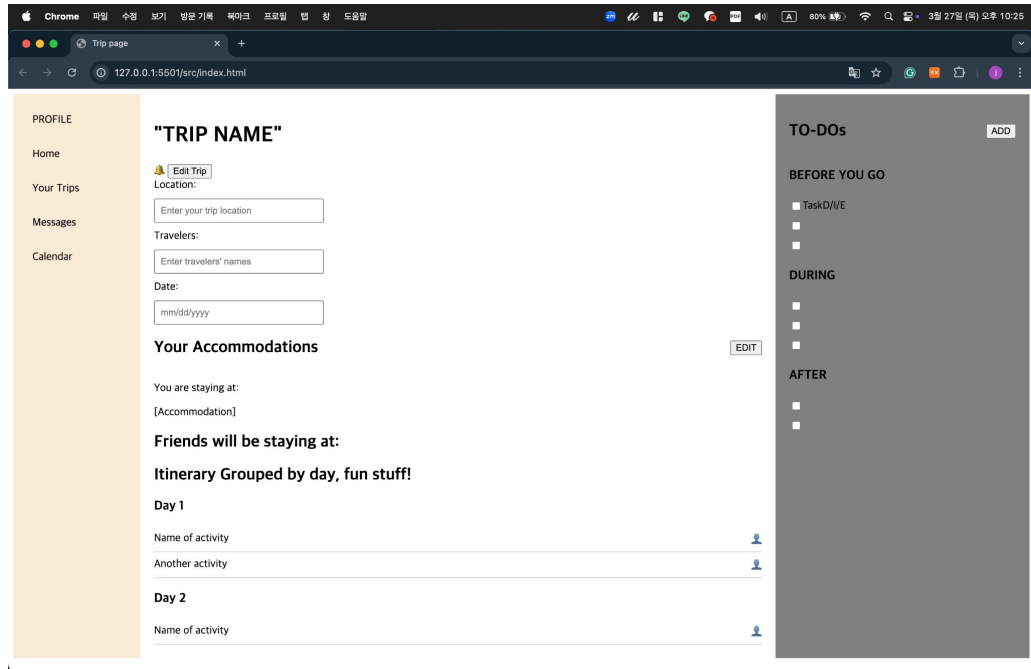
Pull Request:

<https://github.com/BakingPancakes/Travel-Assistant/pull/15>

Issues:

- <https://github.com/BakingPancakes/Travel-Assistant/issues/6>
 - Big draft for the trip page. I asked my friend that will be good enough.

Joonhyun Heo's trip-page slides



Assigned Work Summary: Draft for the Trip-page with html and css.

Code & UI Explanation:

I separated with **3 parts**.

1. **Sidebar on the left:** It navigates to profile, home, trips, message and calendar
2. **Main page:**
 - a. Basic information of traveler: location, name, date will be written.
 - b. Accommodations: travelers and friends location where they stay.
 - c. Itinerary: Detail activity, location, and landmark where we going.
3. **To-Do for the trip plan:** plan, prepare, reserve will be written here.

Joonhyun Heo's trip-page slides

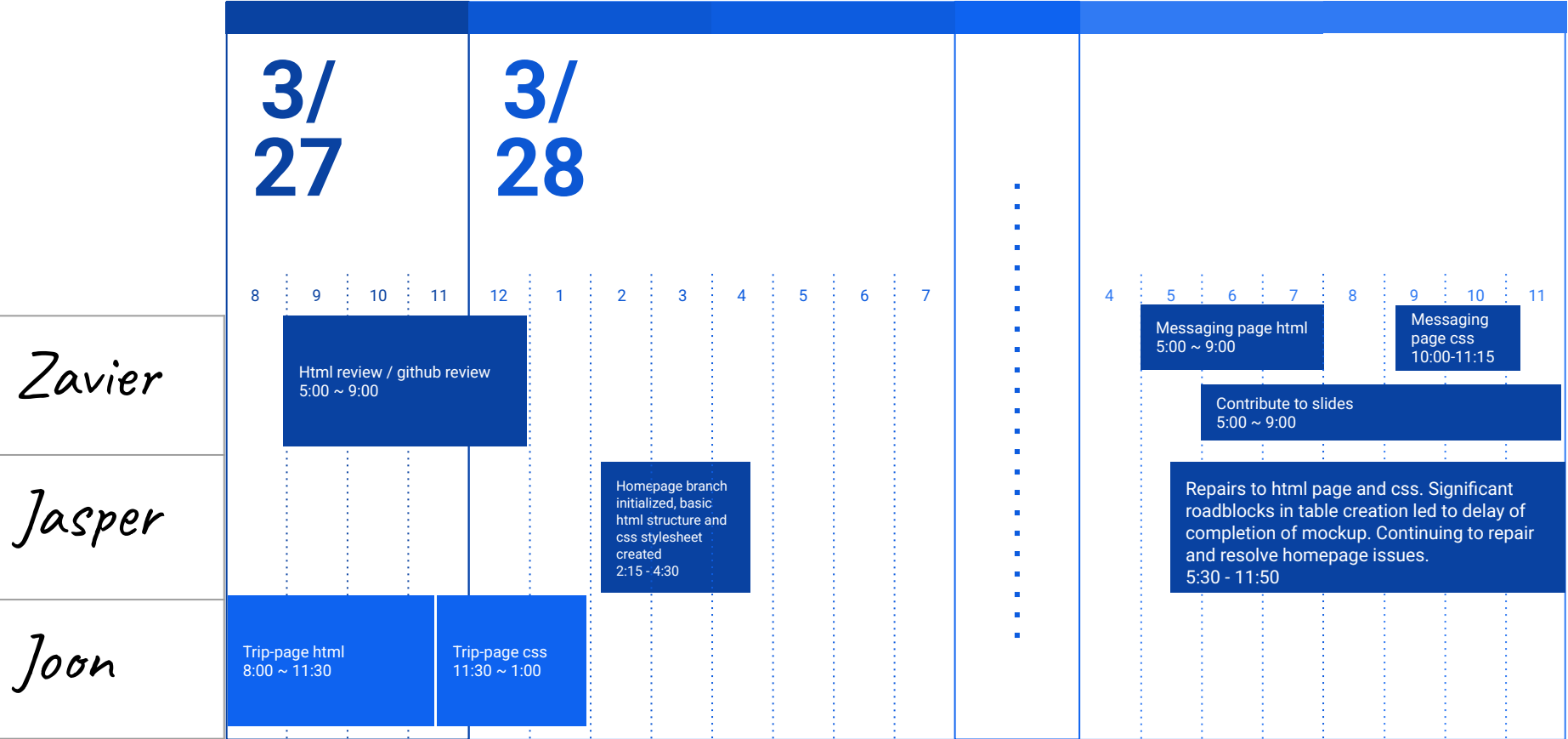
🎓 Challenges and Insights:

1. I was trying to make to-do list that when I scroll down, it follows but haven't think about how I should do it.
2. The color of page is really important to make customers feel comfortable, I tried simple and basic color to not get to stressed out.
3. When I make screen smaller, the sidebar goes top instead of side. I have to figure out it stays same as it should be.

👉 Future Improvements & Next Steps:

1. For the sidebar, we have make link between trip-page to profile, home, your trip, message. calendar and we all share same side bar so have to implement together.
2. I have to make accommodation and Itinerary with javascript. I have to brainstorm that when I put add button(didn't have now), what will be looks like and how I am going to organize.
3. For to-do, when I press check box, I want the checkbox disappear.

Historical Development Timeline



Assigned Work Summary - Xavier

Made 3 total commits to “ui-messaging-page” branch under the [UI Messaging Page](#) subissue, which was then merged to main after feedback from the team.

The three commits included the following: 1) creating the html outline for the messages page based on our wireframe linked in the subissue. 2) creating the basic css grid layout and formatting to resemble the messages page wireframe 3) further refined the css to better match the messages page, along with temporary data to display certain components.

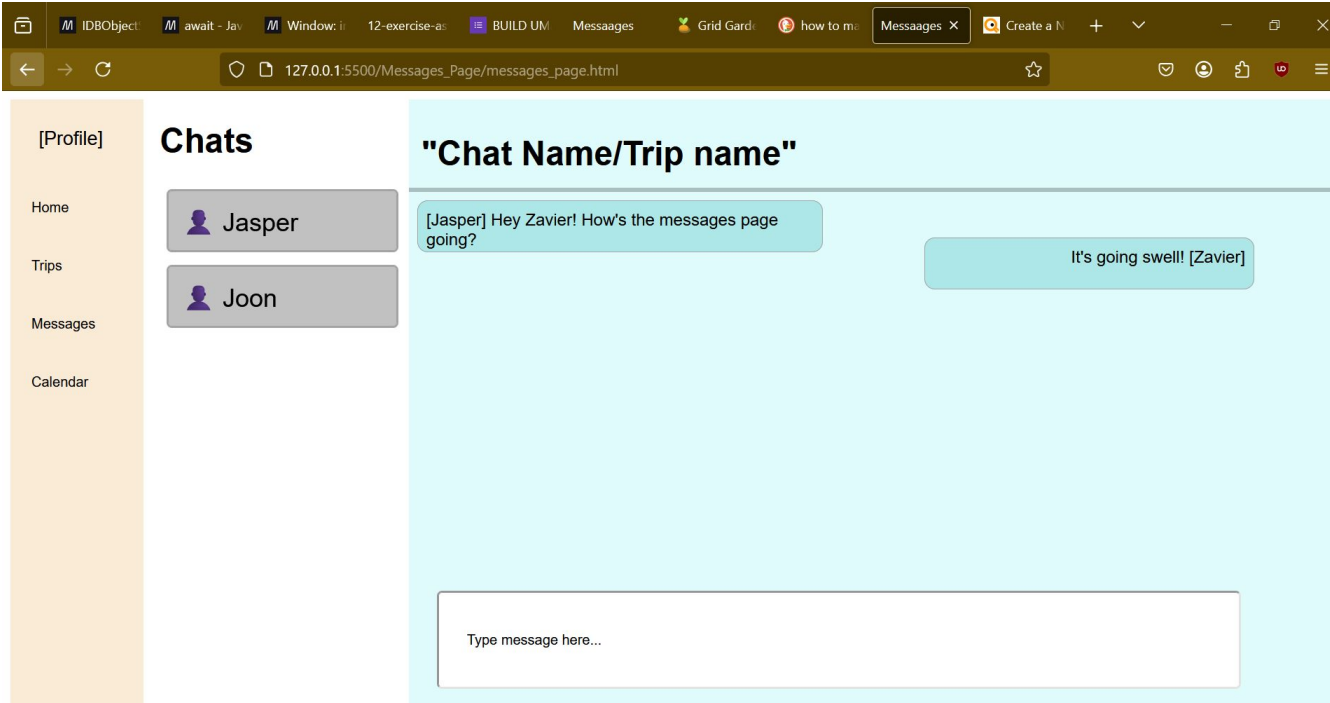
[Final Pull request made for the Messaging Page](#)

Other issues I'm assigned to but weren't closed:

[Messages data](#) - this is linked to the messages page, but would involve js, which we aren't working on yet

[Trips data](#) - Same reason as previous issue. This issue was also re-assigned to Joon as he is focusing on the trip page from now on, so between now and the next milestone we will be re-assigning and re-evaluating who should be assigned which issues to even-out workload.

Screenshots/Demonstration - Xavier



I implemented everything on this page, taking inspiration for the left sidebar from my teammate Joon (considering future consistency across all pages). The left and middle columns are inputs of type buttons which will be reactive future implementations. The data presented in chat icons and message bubbles is static, and simply to show off the components.

Code/UI Explanation - Xavier

```
#messages-display {
  grid-row: 2;
  display: grid;
  grid-template-columns: 5fr 1fr 5fr;
  grid-template-rows: 10% 10% 1fr
}

.chat-bubble-from {
  grid-column: 1;
  grid-row: 1;
  height: 2em;
  margin: .5em;
  padding: .5em;
  border: 1px solid #a0c0ff;
  background-color: #e0f0ff;
  border-radius: 10px;
}

.chat-bubble-to {
  grid-column: 3;
  grid-row: 2;
  height: 2em;
  margin: .5em;
  padding: .5em;
  border: 1px solid #a0c0ff;
  background-color: #e0f0ff;
  text-align: right;
  margin-right: 5em;
  border-radius: 10px
}
```

"Chat Name/Trip name"

[Jasper] Hey Xavier! How's the messages page going?

div.chat-bubble-to | 314.183 x 49.3333 | Grid Item

It's going swell! [Xavier]

The nested grid within the messages display was the most difficult to implement so that the text bubbles emulated our mock-up, in particular figuring out how to fit the bubbles into the grid and what height, margin, and padding formatting options worked best for this temporary display, while also considering how these text bubbles could be abstracted such that they can be dynamically added in the future while still being correctly aligned. Given that these text bubbles (as well as switching in between different chats) is the main function of this page, preparing the chat bubble components for more robust dynamic display is the most important feature to figure out in the future.

Challenges/Insights - Xavier

Most of my challenges derived from my unfamiliarity with complex css formatting without a template to work off of, in particular when working with grids and placing items carefully within them while dealing with spacing (margins, padding, column + row widths/heights, inherited properties between elements etc.). This required a lot of trial and error, reading documentation, looking at examples provided in class, and testing my site live with developer tools on the browser. Documentation and the examples from class were by far the most helpful, as well as experimenting with the developer tools.

Our team is all on the same page when it comes to our html/css and git experience in a large application, so much of our collaboration thus far has involved helping each other understand syntax and how to interact with git as we work on our individual work.

Future Improvements/Next Steps - Xavier

- Given that each team member was assigned to separate pages that we each implemented on our own, a next step I would like to see is to communicate standardized css formats between pages (fonts, font sizes, the sidebar, etc.) and to ensure that each team member is comfortable with the overall format implemented on each page - before moving on to smaller UI implementations on each page, and eventually data structures/js for each page.
 - [Issue made for this](#)
- The issue briefly mentioned at the end of Code/UI explanation was added as well:
 - [Messaging component fix](#)

Assigned Work Summary - Jasper McCormack

- Assigned Homepage UI mockup in HTML and CSS
 - Unforeseen external factors and technical roadblocks have led to the incompleteness of the mockup, but a rough draft of the layout of the homepage has been submitted.
- Pull Request:
 - <https://github.com/BakingPancakes/Travel-Assistant/pull/18>
- Issues:
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/5>
 - Not submitted for reasons above. Debilitating sickness for the majority of the last two weeks and additional exams this week prevented me from making any meaningful progress.
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/12>
 - I think we misunderstood the data issues as being meant for the back-end of the project rather than the front-end.

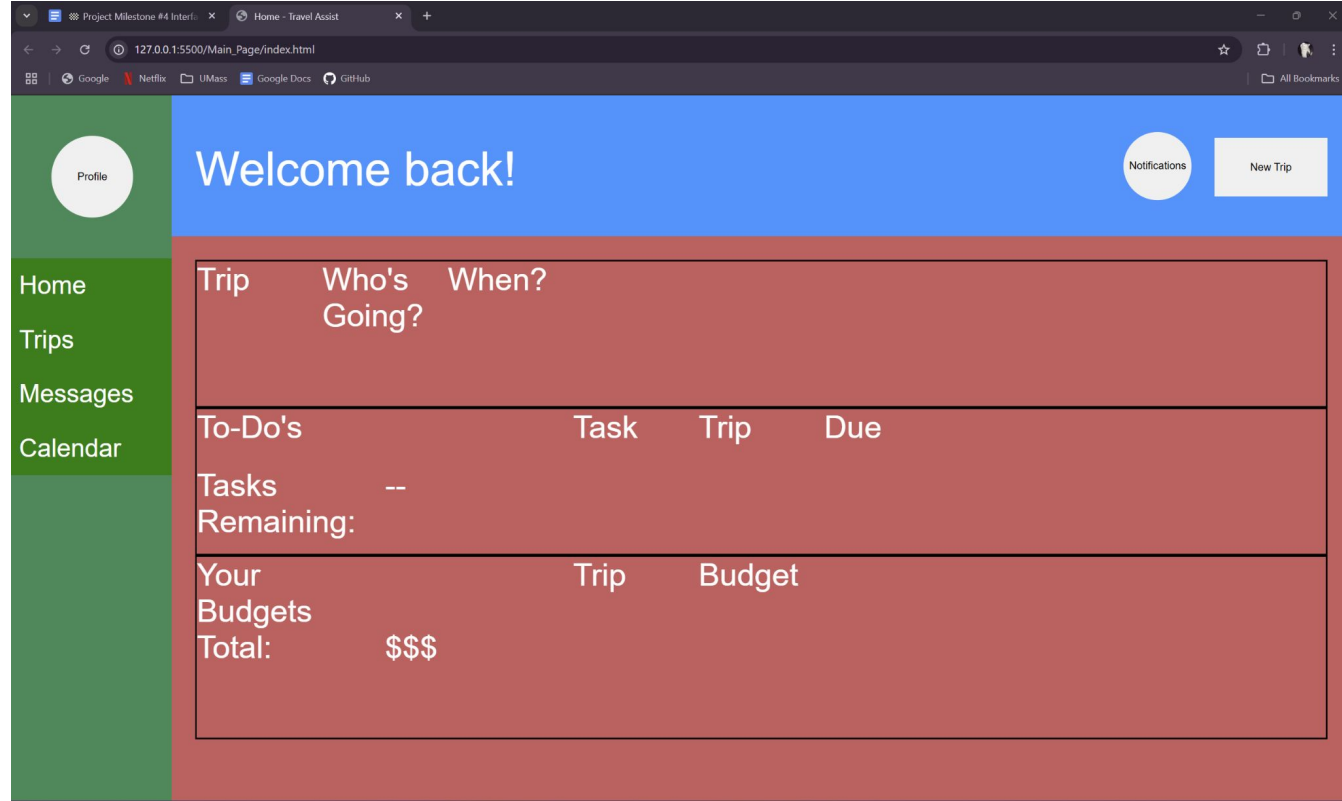
Screenshots/Demonstration - Jasper

The most current draft of the homepage.

The green side-bar has clickable buttons for the profile, home, trips, messages, and calendar.

The blue section is designed to be the header of the page, with a notification button and a button to create new trips that will both produce popups.

The red section will contain the main preview lists for the trips, tasks, and budgets. List items will be clickable and lead the user to their associated forms.

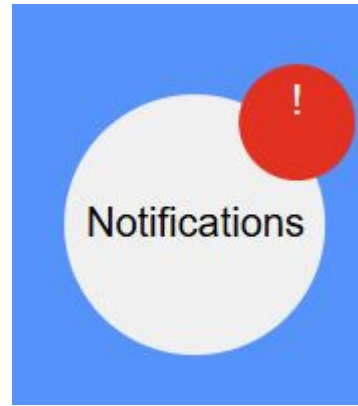


Code/UI Explanation - Jasper

Currently, the implementation of the basic notification button is my favorite.

The red badge will appear when unread notifications have arrived, which can then be viewed through clicking the notification button itself.

However, I look forward to resolving the preview lists issue. While i was trying to implement them, the styling wasn't working as expected, and I began to lose track of why. I scrapped the original code and expected to be able to restart it from scratch, but it is proving to be more of a challenge than anticipated.



Above: UI representation of notification icon.

Right: CSS code for notification button and badge

Below: HTML code for button and badge

```
#header__button--notification {
  margin: 0;
  position: relative;
  aspect-ratio: 1 / 1;
  width: 60%;
  border-radius: 50%;
  display: inline-block;
  top: 50%;
  left: 50%;
  -ms-transform: translate(-50%, -50%);
  transform: translate(-50%, -50%);
  border: none;
}

.notification-badge {
  display: show;
  text-align: center;
  position: absolute;
  aspect-ratio: 1 / 1;
  width: 45%;
  top: -10px;
  right: -10px;
  padding: 5px 10px;
  border-radius: 50%;
  background-color: red;
  color: white;
}
```

```
<div class="screen_header">
  <!--Title, Notification button, New Trip Button (All on same line)-->
  <span class="header_welcome-banner">Welcome back!</span>
  <button id="header__button--notification">
    <span>Notifications</span>
    <span class="notification-badge">!</span>
  </button>
  <button id="header__button--new-trip">New Trip</button>
</div>
<!--Header End-->
```

Challenges/Insights - Jasper

As previously mentioned, a lot of external unpredictable factors and internal factors led to my failure to deliver on time.

However, external factors are not an excuse. Given that nothing can ever be truly predictable, I didn't address my workload accordingly, and have fallen short because of it.

Overall, this has been a wakeup call to how I approach my assignments. I cannot expect to have the time later on closer to deadlines. Major changes need to be made to my organization of my time, and potentially reconsideration of what kind of a workload I can realistically handle and perform well under.

In addition, I need to begin communicating about potential shortcomings sooner. I failed to communicate my delay with my teammates and team coordinator. Had I done so, I may have been able to get better support in order to deliver what was expected.

I still anticipate being able to resolve my roadblocks with the stylization of the preview lists, but this also could have been completed sooner had I properly allocated my time.

Future Improvements/Next Steps - Jasper

- Unification of the style of the application through a singular CSS document or other means
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/22>
- Optimization of the repository organization of our project, potentially following the template posted on Ed.
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/23>
- Login/Logout features
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/24>
- Creation of additional needed popups based on implemented interactive features
 - <https://github.com/BakingPancakes/Travel-Assistant/issues/25>