

1. Section - 105-2
2. Team Name - Intravenous Caffeine

3. Team Member Names

- a. Alex Tsalyuk
- b. Andre Dugas
- c. Ari Schermer
- d. Logan Howerter
- e. Richard Diaz Bustos

- **Feature 1:** Value-sliders
 - Primary site function that allows users to denote on simple HTML sliders (0-10) which values/things they value most in a vacation. This is our main source of user-data that will be used to recommend vacations.
- **Functional:** User should be able to adjust certain sliders to fit criteria on the vacation that they would like to experience.
- **Non-Functional:** This feature should be organized and easily understood. The user's inputs should accurately affect the suggestions.

- **Feature 2:** Select by country/region
 - Allows users to narrow down the total possible area from which a vacation can be pulled and recommended.
- **Functional:** A user should be able to select a specific destination location if they know ahead of time where they want to be travelling.
- **Non-Functional:** This should be presented as an optional feature. The interface should be simple to understand/navigate (ie. dropdown menu) but also aesthetically pleasing.

- **Feature 3:** Pulls estimated hotel/flight/restaurant prices
 - After accounting for preferred region/country/style-of-vacation using the value-slider data, this feature spits out possible flights/hotels/attractions/locations.
- **Functional:** Once the user selects a location and date, the app will return a list of flights starting with the cheapest option. The user will also be able to check out prices for places to stay and check prices for other various activities.
- **Non-Functional:** Scrape data from various websites (possibly) that contain pricing for hotels, flights and attractions. Include pictures and summary for each hotel/ activity so that the user can get an idea of each option without clicking. If you a user clicks an option, a more detailed summary will be pulled up and they will have the option to buy/ make a reservation.

- **Feature 4:** Login and registration page

- Simple account page that allows users to maintain an account that tracks their prior searches and saved vacation-plans
- **Functional:** User should be able to login with their previously created account name and password.
- **Non-Functional:** This should accurately match the password with the inputted user name in the database. Along with this when inputting the password they should be shown as dots and not as characters to keep the user's privacy.
- **Feature 5:** Account history tracking
 - Function that maintains users' histories to better serve them with recommendations
- **Functional:** A user should be able to view their past searches and saved vacation objects.
- **Non-Functional:** This should be presented in an aesthetically pleasing and easy to understand way, and should be interfaceable such that the user can change their history or saved searches as they change their opinions.
- **Feature 6:** Vacation cost summarizer
 - Adds together all of the costs from the recommended travel/hotel/attraction list.
- **Functional:** Take all of the accepted vacation objects (flights, hotels, restaurants, etc.) and sum together their estimated prices to present the user with an approximate budget.
- **Non-Functional:** Present data in a way that explains where the sum comes from, and allows the user to immediately strike items from their list if they are too expensive, or scale up or down the entire vacation based on final cost.