# Outline:

Submit the following by creating a branch in your repo named "requirements." The gradescope assignment will have one short answer question worth zero points for you to provide us with the link to your repo. The remaining questions will not have submission fields. This is by design.

**1) Project description**

The paragraph describing the project you chose, revised if necessary.

**2) Product requirements**

State one goal and one non-goal. Create two non-functional requirements and two functional

requirements for each non-functional requirement.

**3) Project management**

Create

○ one theme,

○ one associated epic,

○ two associated user stories,

○ one task for each user story, and

○ two tickets for each task.

Themes, epics and tasks should be a single phrase. User stories should be one to three sentences.

Tickets should have a title consisting of a single phrase and details that are long enough to sufficiently describe what needs to be done. You do not need to assign points to the tickets.

Remember that if your user story begins "as a user, I want to" then it is a non-functional requirement, not a user story.

Note the similarity between these two tasks. Your non-functional requirements should translate your user stories into "ilities." Your functional requirements should be measurable and achievable by your tickets.

# CS 411 - Travel Assistant Idea

1) Project Description:

We propose developing a travel planning application that integrates with two public APIs: Google Maps API and Yelp Fusion API. The app will allow users to explore destinations, find nearby attractions, restaurants, and other points of interest, and plan their trips efficiently. By leveraging the data from these APIs, users will have access to comprehensive information about their chosen destinations, including reviews, ratings, and directions.

2) Product Requirements:

- Goal: Create a user-friendly travel planning app that utilizes Google Maps and Yelp APIs to provide comprehensive destination information and trip planning capabilities.

- Non-Goal: Provide booking or reservation services for accommodations or activities.

Non-Functional Requirement 1: Usability

- Functional Requirement 1 (FR1): Ensure intuitive user interface and seamless navigation.

- Ticket 1: Conduct user experience research to understand travelers' needs and preferences.

- Ticket 2: Design user-friendly interface with easy access to destination search, attraction recommendations, and trip planning tools.

Non-Functional Requirement 2: Data Accuracy

- Functional Requirement 2 (FR2): Ensure accuracy and reliability of destination information and recommendations.

- Ticket 1: Implement error handling and data validation mechanisms to address potential discrepancies or inconsistencies in API data.

- Ticket 2: Regularly update and maintain integration with Google Maps and Yelp APIs to ensure access to the latest information and features.

3) Project Management:

- Theme: Empower travelers to explore and plan their trips with confidence by providing comprehensive destination information and trip planning tools.

- Epic: Travel Planning App Development

- User Story 1: As a user, I want to search for destinations and explore nearby attractions and points of interest.

- Task: Integrate Google Maps and Yelp APIs for destination exploration.

- Ticket 1: Implement location search functionality using Google Maps API to allow users to search for destinations.

- Ticket 2: Utilize Yelp Fusion API to fetch nearby attractions, restaurants, and other points of interest based on user-selected destinations.

- User Story 2: As a user, I want to view detailed information, reviews, and ratings for attractions and restaurants.

- Task: Display comprehensive destination information from Yelp API.

- Ticket 1: Design user interface to present attraction and restaurant details, including photos, reviews, ratings, and contact information.

- Ticket 2: Implement feature for users to filter and sort search results based on criteria such as ratings, price, and distance.

- User Story 3: As a user, I want to plan my trip itinerary and get directions between attractions.

- Task: Implement trip planning and navigation features.

- Ticket 1: Develop itinerary planner allowing users to add attractions and restaurants to their trip plans.

- Ticket 2: Integrate Google Maps API to provide directions and navigation between selected destinations within users' trip itineraries.

GitHub Repo link:[aidancrichton/CS411-Project: Nam, Aidan, Tiger (github.com)](https://github.com/aidancrichton/CS411-Project)