# Product Backlog

Team Nomad (Team 9)

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## Problem Statement

It can be challenging keeping track of and remembering a trip: photos, videos, hotels, restaurants, landmarks, etc. Currently, there is no well-known app that allows users to log trips with corresponding photo memories, see trip itineraries, locations traveled and to provide users with a comprehensive map overview of their entire trip(s) to show family and friends.

## Background Information

There are so many people of all ages who love to go on road trips, but documenting such trips is not so easy. Though GPS location and timestamps are automatically stored for pictures on iPhones, there is no way to clearly display the progression or the important highlights of a trip in a visual manner. The goal of this app is to pin pictures at locations with a description in order to have a visual scrapbook at the end of the trip. Even though there currently are some travel blogging and GPS tracking applications that can help track your trips, there is no single application that provides a cohesive overview. We can address this problem by organizing the different locations, media, and comments in a chronological list view for each trip with an additional mapview with pinpoints at each entry.

## Requirements

### Functional Requirements

- As a user, I would like to
    - ○ create a trip
    - ○ delete a trip
    - ○ add entry to trip
    - ○ view map of each trip with entry pinpoints on the map
    - ○ delete entry from trip
    - ○ track the route I have taken on my trip (if time allows)
    - ○ see basic statistics of my trip (total miles traveled, avg speed, time, avg number of stops per day, etc.) (if time allows)
    - ○ view each entry pin point as an icon of what the entry contains (if time allows)
    - ○ track travelers (if time allows)

- As a user creating a trip, I would like to
  - add the title of the trip
  - add description of trip
  - press a start button to start tracking my trip
  - store the starting GPS coordinates
  - store the starting date
  - edit the title of the trip
  - edit description of trip
  - add a trip icon
- As a user adding an entry, I would like to
  - add a title
  - add a description
  - have the current GPS location automatically stored
  - have the current timestamp automatically stored
  - take or upload a picture
  - edit a title
  - edit a description
  - add location names to pictures (if time allows)
  - upload a video (if time allows)
  - select entry type/pin point icon (if time allows)
- As a user ending a trip, I would like to
  - press an end trip button to stop tracking the trip
  - store the end point
  - store the end date
  - have a dialog pop up to confirm ending the trip
- As a user wanting trip recommendations, I would like to
  - see the most instagrammed locations around my current location (if time allows)
  - see the most popular eateries around my current location (if time allows)

## Non-functional Requirements
- As a user, I would like all of my trip information to be safely stored on my device
- As a developer, I would like this app to be usable on an iOS device
- As a developer, I would like the interface to be clear and simple but attractive
- As a developer, I would like to be able to integrate with the Google Maps API
- As a developer, I would like to be able to integrate with the CoreLocation API

- As a developer, I would like to be able to integrate with the Yelp API (time permitting)
- As a developer, I would like to be able to integrate with the Instagram API (time permitting)