

1. Team Number

016-07

2. Team name

National Parks Trips

3. Team Members

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4. Application Name

Road Trip Planner

5. Application Description

Users can create custom road trip/vacation plans through the US's National Parks. They can determine the number of days the trip will last, and invite other users to join the trip. Then, they can plan their days with tours and things to do at each park. The user can then say where they are staying, at a campground or otherwise. We may implement further planning with commute times between parks and places if we have the bandwidth.

6. Vision Statement

For families that love connecting to nature, who need some help and resources planning fun activities. The Road Trip Planner is a custom trip planner that gives the user access to national parks, events, activities, and other things they can dynamically add to their

trip plan. Unlike booking.com or tripadvisor, our product uses data directly from the National Parks to give users the most relevant information to a nature getaway.

7. Version Control

<https://github.com/gfrommell/CSCI3308-project-016-07>

Branch for every user story or back-end change. Commits for one topic at a time. Pull requests to merge branch to main, then delete branch.

8. Development Methodology

Trello:

<https://trello.com/invite/b/OTJ0x9mx/ATTI1acf5edfb3028e9442b335b15b9549be5859A560/user-stories>

Or Github project board

- Board for task management (SQL, testing, hosting/deployment)
- Board for feature development of user stories (html/css/handlebars, index.js or node.js)
 - Often dependent on SQL of task management above
- All group members are generally comfortable with all levels of the development stack.
- Tasks will be added to board with a title, description, and a checklist of necessary items (could each be a commit)
- Group members will claim the tasks on the boards so we know who is doing what.
- We will communicate dependencies
- Group members are independently responsible for picking up enough tasks for their individual commits
- Large tasks can be shared and those two or more people would communicate between each other on that task

9. Communication Plan

MS Teams for communication

10. Meeting Plan

Sunday: 12 pm, with flexibility of 2 pm, Zoom or MS Teams call

Wednesday: 5 pm, zoom or MS Teams call

Friday: 5:15 pm TA check-in, Google Meet

11. Use Case Diagram

<https://www.figma.com/file/JBgRQ4ZP828KV411FtGCEJ/data-and-stories?type=whiteboard&node-id=0%3A1&t=jT9F4LAjLSwm1Isx-1>

Written Use cases:

- User can create an account in order to login
- User can login with their account
- User can logout of their account
- User can create a trip
 - Attributes: number of days, other people invited, date started, name
- User would add “Events” to each day
 - User would choose a park
 - User could choose things based on an activity
 - User could choose the thing to do from that list of things to do that’s related to the park AND activity they chose.
 - User can directly choose from tours, events, and things to do related to the park.
- User could optionally add a “Campground” to the day to denote lodgings
- User can look at a map of the park and it’s locations embedded from google maps
- User can see their past trips, and their planned trips
- User can add other users from this app to join their trips
- Users can see the trips they are invited on
- Users can explore the national parks in general to get inspiration on their next trip.
- Users are notified the day before and the day when the trip starts
- Users are notified when they have been invited
- Users are notified when an invite is accepted

12. Wireframes

<https://www.figma.com/file/2ITJa4rolFTej8dMIT1fnt/Wireframes?type=design&node-id=0%3A1&mode=design&t=ecLwekpMD1wGibSy-1>