

Project Plan: Tripmates

Team: JuiCy buNS

Milestone 1: Proof of Concept (11/20)

Functionality:

- CRUD User/Log in
- CRUD Trip (single account)
- CRUD Activities (single account) + filter
- CRUD Itinerary (single account)

Implementation Tasks:

Task	Assignee	Deadline
Set up code architecture	Everyone	Mon 11/12
Set up database + schemas	Sophia & Janice	Mon 11/12
User functionality	Janice	Fri 11/16
User UI	Cynthia	Sat 11/17
Trip functionality	Sophia	Fri 11/16
Trip UI	Nancy	Sat 11/17
Activity functionality + filter	Janice	Sat 11/17
Activity UI	Nancy	Sun 11/18
Itinerary functionality	Sophia	Sun 11/18
Itinerary UI (FullCalendar.io?)	Cynthia	Mon 11/19
Connect UI w Backend	Nancy & Cynthia	As new functionality gets implemented

If something goes wrong:

In the case that an individual doesn't meet a deadline, we all help each other finish tasks assigned. We should communicate often and early about any problems we may come across.

If the backend functionalities take too long to implement, we could move the following activities to the next milestone: editing users, editing trip, editing activities, filtering activities.

Milestone 2: Minimum Viable Product (12/3 or 12/5)

Functionality:

- Join existing trip
- Edit activities/itineraries by other users in same trip
- Drag + drop activities onto itineraries
- Prevent conflicts in itineraries
- Display map

Implementation Tasks:

Task	Assignee	Deadline
Join trip (generating & verifying code & adding user to trip)	Sophia	Mon 11/26
Handle concurrency issues when editing activities/itineraries (togetherjs?)	Janice & Nancy	Thu 11/29
Prevent conflicts in itineraries	Sophia	Sat 12/1
Drag + drop activities onto itineraries (FullCalendar.io?) + UI for conflicts in itineraries	Cynthia	Fri 11/30
Display map (Google Maps API)	Cynthia & Nancy	Sun 12/2

If something goes wrong:

If we do not have enough time, we would drop the display map task.

Milestone 3: Finished Product (12/10)

Functionality:

- Voting on activities
- Beautify/Clean Up
- Extras:
 - Autofill places (Google api?)
 - Showing whether other users are “online”
 - User avatar / profile picture

Implementation Tasks:

Task	Assignee	Deadline
Add vote counts on activities	Janice	Wed 12/5
Filter by number of votes	Cynthia	Thurs 12/6
Beautify/Clean Up	Nancy	Sat 12/8
Show when users are online	Cynthia + Janice	Sat 12/8
Adding avatars / Profile Pics	Sophia	Sat 12/8
Autofill places (Google API?)	Sophia + Nancy	Sun 12/9

If something goes wrong:

If we do not have enough time, we would not work on the extras and would finish any remaining tasks from earlier milestones (mainly concurrency and drag and drop onto the calendar).