**-Sprint 2 Planning Document**

Team 19

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**Sprint Overview**

For this sprint our goal is to implement additional features on top of our base foundation. We require a robust version of the server and the app is required to sync with it. Our app’s main features will be implemented by the end of this sprint. We will also work on implementing edge cases for our new functions and the functions we implemented in sprint 1.

The team leader is Alec DeFano. Our meeting schedule will be typically around when class meets with extra meetings every week whenever necessary.

Since the server and database has been set up, additional features will require communication between the client and the database via the server. One challenge would be refactoring the client code, that might cause the app to crash. Another challenge is that we might have compatibility issues with functions currently in place.

**User Story #1:**

As a user, I would like to choose what personal information to display to other users.

As a user, I would like to see the profile of other users of the app.

|  |  |  |  |
| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Implement a profile page. | 2 hours | Alec |
| 2 | Allow the users to change information of their profile. | 2 hours | Alec |
| 3 | Allow the users to change their profiles’ privacy. | 2 hours | Hamza |
| 4 | Add user profiles to database. | 2 hours | Khanh |
| 5 | Show communities the user is in. | 2 hours | Alec |

**Acceptance Criteria:**

1. Given that the user does not fill some of the data fields, then only the non-empty fields are shown.
2. Given that the user is filling data fields, some of them are required to not be empty.

**User Story #2:**

As a community member, I would like to have the community’s calendar synced to my own calendar.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Aggregate events of all communities the user is a part of into a list. | 2 hours | Travis, Khanh |
| 2 | Add these events to user’s personal calendar. | 3 hours | Travis |
| 3 | Push community calendar events from the database to the user. | 1 hour | Khanh |

**Acceptance Criteria:**

1. Given that certain community events are updated, the newly updated community events will be updated on the user’s calendar as well.
2. Given that a user is in a community, the user will be able to decide whether to sync the community calendar with his/her calendar.

**User Story #3:**

As a community member, I would like to receive notifications about my communities / events.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Receive a notification when there is activity on the board. | 4 hours | Khanh, Hamza |
| 2 | Receive a notification when an event is coming up. | 2 hours | Khanh |
| 3 | Receive notification if someone pings the community. | 2 hours | Khanh, Hamza |

**Acceptance Criteria:**

1. Given that a user might not want notifications, then the user should be able to turn off all or individual notifications.
2. Given that some notifications may be important, then those notifications will be sent and bypass user’s settings.

**User Story #4**:

As a community leader, I would like to delete events on the community calendar.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Add UI for deleting an event. | 1 hour | Travis |
| 2 | Create secondary pop-up UI box to confirm the deletion. | 1 hour | Travis |
| 3 | Delete event from community calendar. | 1 hour | Travis |

**Acceptance Criteria:**

1. Given that a user is not a leader, the option to delete an event will not be present.
2. Given that the event has already occurred, when a community leader tries to delete an event a message will display stating that the event has already passed.
3. Given that the event will occur within the next 24 hours, when a community leader wishes to delete an event, the server will push notifications of the change to all users who have RSVPed to the event.

**User Story #5:**

As a user viewing community events, I would like to see a list of members attending.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Add button within events to see users. | 2 hours | Alec |
| 2 | Show how many users are joined. | 2 hours | Alec, Khanh |
| 3 | View which members are attending events. | 2 hours | Alec, Hamza |

**Acceptance Criteria:**

1. Given that the list of members might be large, the list will be scrollable.
2. Given that the list of members can go directly to the member’s profile, there will be a click option to take the client to that user’s profile.

**User Story #6:**

As a user, I would like to view a calendar with all planned events of communities.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Create calendar page for local events. | 4 hours | Alec, Travis |
| 2 | Get list of all local events from the database. | 3 hours | Hamza, Khanh |
| 3 | Add local events to local calendar. | 2 hours | Travis |

**Acceptance Criteria:**

1. Given that multiple events are happening at the same time, then the event that was added most recently will be shown at the end of the list.

Given that there can be different communities on the calendar, the event buttons will have a different color depending on the community that created them.

**User Story #7**:

As a community member, I would like to invite anyone to my communities.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Create UI that allows users to select who to invite to the community. | 6 hours | Alec |
| 2 | Implement ability for the server to send a community invitation to the invited user. | 5 hours | Khanh, Nick |
| 3 | Create an invitation notification for the invited user. | 2 hours | Hamza |
| 4 | If the invited user does not accept, delete the invitation notification and request. | 1 hour | Khanh, Nick |
| 5 | If user accepts invitation, implement ability for the server to add the invited user into the community database. | 1 hour | Khanh, Nick |
| 6 | If user accepts invitation, update the invited user’s profile to indicate that the user has joined the community. | 1 hour | Khanh, Nick |

**Acceptance Criteria**:

1. Given that the invite does not use the app, when the app user wants to invite them the server should send an email with an attached link to download the app.
2. Given that the invitee declines the invitation when the user sends an invite, the inviter should receive a message saying that the invitee has declined the invitation to join the community.
3. Given that the invitee is already a member of the community when the user sends an invite, the user is told that the invitee is already a member of the community.

**User Story #8**:

As a community member, I would like to be able to leave any community that I am a part of.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Create UI that lists all communities which the current user belongs to with option to leave community. | 4 hours | Alec |
| 2 | Create secondary UI prompting for verification of removal from selected community. | 1 hour | Alec |
| 3 | If verified, implement ability for the server to remove the user from the selected community. | 2 hours | Khanh, Nick |
| 4 | If verified, update the user’s profile to remove community from list of joined communities. | 2 hours | Khanh, Nick |

**Acceptance Criteria:**

1. Given that the user is not in the community which they are trying to leave, when they look through the list of communities they are in they will not see that community present.
2. Given that the user has left the community, any user activity in the community will not be deleted.

**User Story #9:**

As a community member, I would like to see a list of members in the community.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Create UI button inside community page for members. | 3 hours | Alec |
| 2 | List each user in a clickable menu. | 3 hours | Alec, Hamza |
| 3 | Identify which user is the leader or moderator. | 2 hours | Alec |
| 4 | Pull list of members of the community from the database. | 1 hour | Khanh |

**Acceptance Criteria:**

1. Given that the list is long, the UI element displaying the members will be scrollable.

**User Story #10:**

As a member of a private community, I would like to send a notification to all members of the community.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Add a notify the community option. | 2 hours | Alec |
| 2 | Add notification functionality to button. | 3 hours | Khanh, Hamza |
| 3 | Have the server send out a notification to all users in the community. | 3 hours | Khanh |

**Acceptance Criteria:**

1. Given that a user has muted notifications, if a notification is sent then the user will not receive that notification.

**User Story #11:**

As a community member, I would like to see a board of user messages.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Add UI for viewing the board. | 2 hours | Alec |
| 2 | Add text input area for posting new posts. | 2 hours | Alec |
| 3 | Update the database when new posts are added. | 2 hours | Khanh |
| 4 | Sync the client with the data on the database. | 2 hours | Khanh |

**Acceptance Criteria:**

1. Given that new posts are added, syncing of messages would occur when the client first connects to the server.

**User Story #12:**

As a community leader, I can remove users from the community.

As a community leader, I can post official events for the community.

As a community leader, I can pin posts to the community board.

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| --- | --- | --- | --- |
| Task Number | Description | Estimated Time | Owner |
| 1 | Add button to remove user from community. | 1 hour | Alec |
| 2 | Allow community leader to post events. | 1 hour | Hamza |
| 3 | Allow community leader to pin messages to the board. | 1 hour | Hamza |
| 4 | Add an edit button for community home page. | 1 hour | Alec |
| 5 | Add an edit community profile picture button. | 2 hours | Alec |
| 6 | Add button to pass leadership of community to another. | 1 hour | Alec |
| 7 | Push all changes onto required database tables. | 2 hours | Khanh |

**Acceptance Criteria:**

1. Given that a profile picture is not uploaded, a generic picture will be used instead.
2. Given that a community leader leaves some information fields that are not required empty, they will not show up.

**Remaining Backlog**

**General User Functions:**

As a user, I would like to:

1. see a brief tutorial about the app.
2. see who in my contacts list is already using the app.
3. control the frequency and manner of receiving notifications.
4. search communities based on event activity levels.
5. search communities based on category or name.
6. search communities based on my stated interests.
7. view automatically generated suggestions based on my interests.

**User Profile Functions:**

As a user, I would like to:

1. see my participation rating.
2. give another user a point.

**Attending Event Functions:**

As a user attending community events, I would like to:

1. be able to check in when I arrive for an event.

**Community Functions:**

As a community member, I would like to:

1. message other people in my communities.
2. see a community board of messages.
3. create a crew within of a community.
4. create a hangout to meet other members.
5. browse hangouts that have already been created.
6. join existing hangouts.

**Community Board Functions:**

As a community member, I would like to:

1. see a feed which shows recent activity in the community.
2. be able to comment on user messages.

**Hangout Functions:**

As a community member, I would like to:

1. create a hangout.
2. leave a hangout.
3. edit my posted hangouts.
4. view hangouts posted by other community members.

**Crew Functions:**

As a member of a crew, I would like to:

1. have a chat with other members in my crew.
2. invite members to my crew.
3. see a list of members in my crew.
4. see the profile page of the members in my crew.
5. send a notification to members of my crew.

**Community Leader Functions:**

As a community leader, I can:

1. use tags and keywords to describe the community.

Nonfunctional:

1. The user interface should be clean and simple.
2. The app will display very little to no embedded advertisements.
3. The server must be able to handle a large amount of traffic.
4. A donations option to be available if more budget is required for maintenance.
5. Integrate the use of Google Maps and geolocation (if time available).