



Team 24 CS307 Sprint 1 Planning Document

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Sprint Overview

In our first sprint, we are focusing on getting the backbone of the app done. We want to have the minimum functionalities online by the end of this sprint. This means completing the database, the client class, the basic back end of the app, and a simple UI. We do not intend to have a minimum viable product yet, but to have all the pieces that if put together would serve as one. We will have two focuses, the client and the server, with a subteam focusing on each.

Scrum Master: Naomi Urnes

Meeting Schedule: Fridays at 2:30

Risks/Challenges: One risk is that we cannot begin to work on the client class, the database, or the connection between the two until the Raspberry Pi is set up as the server. Another issue is that very few of us have any experience with UI development for Android, which will make up the bulk of the work. Additionally, it will be challenging to test the UI among a range of devices to ensure that it works and looks good on a variety of hardware. Also, no one on our team has experience with map views in app development, which is an integral part of our project.

Current Sprint Detail

User Story #1

As a user, I would like to be able to register for a Evant account.

| # | Task Description | Time | Owner |
|---|---|------|---------------------------|
| 1 | Set up server | 3 | Adam McDonald |
| 2 | Set up Database | 5 | Adam McDonald |
| 3 | Implement Client Class function for adding a user | 2 | Adam McDonald |
| 4 | Implement a New User GUI to prompt the user | 4 | Avi Agarwal |
| 5 | Set up back end to handle input to this GUI | 3 | Adam McDonald/Avi Agarwal |

Acceptance Criteria

- Given a complete new user GUI, when the user is ready to enter their information, then the gui should be able to take and save all the necessary information .
- Given a complete client class functionality, when the user clicks the submit button on the new user page, then the client class should send the users information to the database.
- Given a functional database, when the database receives the information of the new user, then the database stores the new user's information.

User Story #2

As a user, I would like to be able to save my name on my account.

| # | Task Description | Time | Owner |
|---|---|------|---------------|
| 1 | Add a Field to the New User GUI | 2 | Avi Agarwal |
| 2 | Add functionality to the back end to make sure the field passes an argument to the Client class function properly | 2 | Abigail Urnes |
| 3 | Have the client class function add the name to the user table in the database | 1 | Adam McDonald |

Acceptance Criteria

- Given a functional signup GUI, when the user enters their name, then the GUI should save their name.
- Given a functional client class, when the user submits their username, the client class should send this information to the database.
- Given a functional database, when the username is received from the client class, the database should validate and confirm the username.

User Story #3

As a user, I would like to be prompted for a login when opening the app for the first time.

| # | Task Description | Time | Owner |
|---|---|------|-------------|
| 1 | Create a Login Page GUI | 3 | Avi Agarwal |
| 2 | Have the app launch this GUI on startup | 2 | Avi Agarwal |

Acceptance Criteria

- Given a functional login page, when the user is ready to enter their username and password, then the GUI should be able to accept these two entries
- Given a functional client class, when the user has submitted their login information, then the client class should send this information to the database
- Given a functional database, when the client class sends the database login credentials, then the database should either confirm or deny login

User Story #7

As a user, I would like to have the option to create a new account when prompted to login.

| # | Task Description | Time | Owner |
|---|---|------|-------------|
| 1 | Add a component to the Login Page GUI | 2 | Avi Agarwal |
| 2 | Have the component open the New User Page | 2 | Avi Agarwal |

Acceptance Criteria

- Given that a login page GUI has been implemented, the user should be able to sign up as a member of Evant application.
- Given the login page GUI, the user should be allowed to enter their information.
- Given the login page GUI, the user should receive a confirmation that the database has stored their information.

User Story #10

As a user, I would like my event history to be tied to my account and persevere across devices.

| # | Task Description | Time | Owner |
|---|--|------|---------------|
| 1 | Add an event table to the database to hold the information | 1 | Adam McDonald |
| 2 | Add a event-user table to the database | 1 | Adam McDonald |
| 3 | Add a client class function to update these tables | 2 | Adam McDonald |

Acceptance Criteria

- Given functional tables in the SQL database, when the SQL command to enter information into the events column is passed to the database, the table should be able update the events column in the specified user's row
- Given a functional client class, when the user asks for their event history, the client class should be able to call the correct SQL command to receive the user's event history
- Given a functional database, when the user asks for their event history, the database should be able to access the correct user's information

User Story #17

As an event finder, I would like to view a list of event search results.

| # | Task Description | Time | Owner |
|---|---|------|---------------|
| 1 | Add a client class function to get events | 2 | Adam McDonald |
| 2 | Create a List View GUI | 5 | Avi Agarwal |
| 3 | Have this GUI call the client class | 2 | Avi Agarwal |
| 4 | Interpret the result of the Client class function to make elements of the GUI | 6 | Avi Agarwal |

Acceptance Criteria

- Given the client class function has been implemented, when the user clicks the "list view" option, they should be able to see a list view of events.
- Given the list view GUI has been implemented, the user should be able to see different elements supplied by the client class function.

- Given a list of filters, when the user searches for events, the user should only see a list of events that pass the given filters.

User Story #18

As an event finder, I would like to view a map of event search results.

| # | Task Description | Time | Owner |
|---|---|------|----------|
| 1 | Create a Map View GUI | 5 | Soun Kim |
| 2 | Have this GUI call the client class function | 2 | Soun Kim |
| 3 | Interpret the result of the Client class function to make elements of the GUI | 6 | Soun Kim |

Acceptance Criteria

- Given that the login page has been implemented, when the user logs in, the user should be able to see a map generated based on their current location.
- Given that the client class functions have been implemented, when the user logs in, the user should be able to see events created by other users.
- Given that the class functions have been implemented, the user should be able to see different elements depending on the types of event.

User Story #19

As an event finder, I would like to be able to access a homepage from which I can navigate further.

| # | Task Description | Time | Owner |
|---|---|------|---------------|
| 1 | Create Home Page GUI | 5 | Soumil Uppal |
| 2 | Add functionality to the components of this GUI | 5 | Abigail Urnes |

Acceptance Criteria

- Given an app icon, when the user open up the app, users should be able to see the home page GUI.
- Given a fully implemented home page, when the user clicks on a button on the home page, the user should be directed to the associated page.
- Given a fully implemented home page, when the user opens the home page, the user should immediately see useful information that encourages them to use the app further.

User Story #20

As an event finder, I would like to be able to switch between these views.

| # | Task Description | Time | Owner |
|----|--|------|---------------|
| 1 | Add a map button component to the Home Page GUI | 2 | Naomi Urnes |
| 2 | Give this component functionality | 2 | Abigail Urnes |
| 3 | Add a list button component to the Home Page GUI | 2 | Naomi Urnes |
| 4 | Give this component functionality | 2 | Abigail Urnes |
| 5 | Add a map button component to the List View GUI | 2 | Naomi Urnes |
| 6 | Give this component functionality | 2 | Abigail Urnes |
| 7 | Add a home button component to the List View GUI | 2 | Naomi Urnes |
| 8 | Give this component functionality | 2 | Abigail Urnes |
| 9 | Add a list button component to the Map View GUI | 2 | Naomi Urnes |
| 10 | Give this component functionality | 2 | Naomi Urnes |
| 11 | Add a home button component to the Map View GUI | 2 | Naomi Urnes |
| 12 | Give this component functionality | 2 | Naomi Urnes |

Acceptance Criteria

- Given the home page GUI has been implemented, when the user logs in, the user should be able to see a “map” button, which can display either map view or list view GUI.
- Given the map view and list view GUI has been implemented, when users are in either map view or list view, users should see a home button which can navigate to the home page GUI.
- Given the “list view” and “map view” GUI’s, user should see a map button which navigates to map view GUI and a list button which navigates to list view GUI respectively.

User Story #21

As an event finder, I would like to be able to zoom in and out on the map view.

| # | Task Description | Time | Owner |
|---|---|------|----------|
| 1 | Add a zoom functionality to the map component | 3 | Soun Kim |

Acceptance Criteria

- Given the map view GUI has been implemented, the user should be able to zoom in and out on the map.
- Given a fully implemented map view, when the user zooms in too much, they should be restricted to how far they can zoom in.
- Given a fully implemented map view, when the user zooms out too much, they should be restricted to how far they can zoom out.

User Story #22

As an event finder, I would like to be able to pan on the map view.

| # | Task Description | Time | Owner |
|---|--|------|----------|
| 1 | Add a panning functionality to the map component | 3 | Soun Kim |

Acceptance Criteria

- Given the map view GUI has been implemented, the user should be able to pan their map.
- Given the map view GUI is implemented, when the user pans, then the GUI should restrict how much they can pan.
- Given the map view GUI has been implemented, when the user is not panning, the GUI should not auto pan back to its default value.

User Story #23

As an event finder, I would like to be able to set radius for viewing events.

| # | Task Description | Time | Owner |
|---|--|------|---------------|
| 1 | Add a set radius component to the Map View GUI | 2 | Soun Kim |
| 2 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |

| | | | |
|---|--|---|---------------|
| 3 | Add a set radius component to the List View GUI | 2 | Avi Agarwal |
| 4 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |

Acceptance Criteria

- Given the client class has been implemented, when the user searches for events, then the radius data should be sent to filter the events.
- Given the map view GUI has been implemented, when the user searches for events, map view should display all the events within the radius as pins.
- Given the list view GUI has been implemented, when the user searches for events, list view should display all the events within the radius as cards.

User Story #24

As an event finder, I would like to filter event searches by start time.

| # | Task Description | Time | Owner |
|---|--|------|---------------|
| 1 | Add a set time component to the Map View GUI | 2 | Soun Kim |
| 2 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |
| 3 | Add a set time component to the List View GUI | 2 | Avi Agarwal |
| 4 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |

Acceptance Criteria

- Given the client class has been implemented, when the user searches for events, then the time data should be sent to filter the events.
- Given the map view GUI has been implemented, when the user searches for events, the map view should display all the events within the time as pins.
- Given the list view GUI has been implemented, when the user searches for events, the list view should display all the events within the radius as cards.

User Story #25

As an event finder, I would like to filter event searches by distance.

| # | Task Description | Time | Owner |
|---|------------------|------|-------|
|---|------------------|------|-------|

| | | | |
|---|--|---|---------------|
| 1 | Add a set distance component to the Map View GUI | 2 | Soun Kim |
| 2 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |
| 3 | Add a set distance component to the List View GUI | 2 | Avi Agarwal |
| 4 | Have this component adjust the variable passed to the function in the client class | 2 | Abigail Urnes |

Acceptance Criteria

- Given the map view GUI and client class have been implemented, the user should be able to set distance to filter their search.
- Given the list view GUI and client class have been implemented, the user should be able to set distance to filter their search.
- Upon selecting a radius, the user should see results on both views within that radius.

User Story #39

As an event organizer, I would like to create events.

| # | Task Description | Time | Owner |
|---|---|------|--------------|
| 1 | Create a New Event GUI | 5 | Soumil Uppal |
| 2 | Add a new button component to the home page | 2 | Soumil Uppal |
| 3 | Make the button open the New Event GUI | 2 | Soumil Uppal |
| 4 | Add a new button component to the list view | 2 | Soumil Uppal |
| 5 | Make the button open the New Event GUI | 2 | Soumil Uppal |
| 6 | Add a new button component to the map view | 2 | Soumil Uppal |
| 7 | Make the button open the New Event GUI | 2 | Soumil Uppal |

Acceptance Criteria

- Given the home page GUI has been implemented, when the user clicks the create event button, then they should be able to navigate to create event page.
- Given the list view GUI has been implemented, when the user creates a new event, then the user should be able to navigate back to the map view GUI through a button.
- Given the map view GUI has been implemented, when the user creates new event, then they should be able to navigate back to the list view GUI through a button.

User Story #40

As an event organizer, I would like to set the location of my event.

| # | Task Description | Time | Owner |
|---|---|------|---------------|
| 1 | Add a set location component to the New Event GUI | 2 | Soumil Uppal |
| 2 | Have the component adjust the value passed to the client class function | 2 | Abigail Urnes |

Acceptance Criteria

- Given that the new event GUI has been implemented, the user should be able to select an existing location within Google Maps API for their event.
- Given that the new event GUI has been implemented, the user should be able to set a custom location for their event by typing in an address.
- Upon creation of the event, the component should pass along its location to the database, which should retain it for future reference.

User Story #41

As an event organizer, I would like to set the time of my event.

| # | Task Description | Time | Owner |
|---|--|------|---------------|
| 1 | Add a set time component to the New Event GUI | 2 | Soumil Uppal |
| 2 | Have that component adjust the value passed to the client class function | 2 | Abigail Urnes |

Acceptance Criteria

- Given that the new event GUI has been implemented, the user should be able to set a starting time for their event.
- Given that the new event GUI has been implemented, the user should be able to set an ending time for their event.
- Given that the new event GUI has been implemented, the user should be able to set a date for their event.

Remaining Backlog

4. As a user, I would like to be able to save my interests on my account.
5. As a user, I would like to be able to save my permanent location on my account.
6. As a user, I would like to be able to login and manage my Evant account.
8. As a use, I would like to have the option to create a new account when prompted to login.
9. As a user I would like to have the app remember my account after logging in for the first time.
11. As a user, I would like to have a set of interests visible on my profile.
12. As a user, I would like to view a list of people attending an event.
13. As a user, I would like to optionally include a link to my Facebook account on my profile.
14. As a user, I would like to be able to edit my name, photo, interests, and description on my profile.
15. If time allows, as a user, I would like to have events automatically added to my phone/email calendar.
16. If time allows, as a user, I would like to be able to create an account with my email or other authentication methods such as a Facebook or Twitter account.
26. As an event finder, I would like to filter event searches by category.
27. As an event finder, I would like to be able to rate the events I attend, so that other users can decide to attend events based on the average event rating of an organizer.
28. As an event finder, I would like to view event organizers' ratings, to establish trust.
29. As an event finder, I would like to be able to click on an event in map view and see a description page of the event.
30. As an event finder, I would like to be able to click on an event in list view and see a description page of the event.
31. As an event finder, I would like to see my event history.
32. As an event finder, I would like to be able to sort my event history by date in either ascending or descending order.
33. As an event finder, I would like to be able to sort my event history by alphabetical in either ascending or descending order.
34. As an event finder, I would like to be able to sort my event history by distance from current location in ascending or descending order.
35. As an event finder, I would like to be able to view all the events I plan to attend.

- 36. If time allows, as an event finder, I would like to filter event searches by keyword.
- 37. If time allows, as an event finder, I would like to get push notifications for upcoming events.
- 38. If time allows, as an event finder, I would like to have a page of the events that the app thinks I am most likely to attend based off of my history.
- 42. As an event organizer, I would like to set the relevant categories of my event.
- 43. As an event organizer, I would like to view a list of events I have hosted.
- 44. As an event organizer, I would like to be able to set a description of my event.
- 45. As an event organizer, I would like to be able to set an image for my event.
- 46. As an event organizer, I would like to have my event appear in search results.
- 47. If time allows, as an event organizer, I would like to be able to import my Facebook events.
- 48. As a developer, I would like the code to be well-commented and documented.
- 49. As a developer, I would like to receive crash and error reports, so that I can debug the app.