



Sprint 1 Planning Document

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Meeting Plan: Wednesday/Sunday 7:00pm - 8:30pm

Sprint Overview: During this sprint, we hope to get the preliminary features of our platform up and running. The front-end team will focus on creating a responsive design of the web application, as well as preliminary pages of our core platform (settings, login, survey page, et cetera). The backend team will focus on setting up the web application (Flask, Firebase) to seamlessly communicate, as well as have user authentication up and running.

Risks and Challenges: There is a significant amount of research and a slight learning curve to overcome during this sprint, so we decided to start off with a fewer number of user stories to complete during this sprint. This will result in a higher understanding of the frameworks, databases, and other tools we are using, while still completing some user stories. One of the issues is to test the back-end and front-end together, because of the different amount of time that different user stories take to accomplish, there might be a team waiting for another team to finish so they can both test their own parts; to overcome this, we will help each other in different teams (front-end and back-end). The back-end will also have to have plentiful documentation of what they are doing so the entire team can know what they are doing.

Functional Requirements

User Story 1

As a user, I would like to create a survey by adding questions and required input only.

#	Description	Time (hours)	Team	Owner
1	Research different basic responsive templates for survey creation	3	Frontend	Pranav
2	Add basic survey creation page to website	1	Frontend	Vedant
3	Add functionality to add questions to survey	2	Frontend	Pranav
4	Add answer choice options for questions	4	Frontend	Pranav/Vedant
5	Add required input only option to all questions	1	Frontend	Vedant

Acceptance Criteria:

1. Given that the basic survey creation web page element is created successfully, users should be able to access the 'Create Survey' tab of the website properly
2. The form creation tool should have user friendly responsiveness as a part of all of its elements
3. Given that the functionality of the survey creation works as intended, users should be able to create a basic survey with questions and different answer choices such as: multiple choice, short answer, and long answer.

4. There should also be the ability to make any question created a required input question which would make a survey participant have to answer that specific question.

User Story 2

As a user, once I created a survey I would like to share the link to the survey on social media.

#	Description	Time (hours)	Team	Owner
1	Research different social media sharing plugins/APIs.	2	Backend	Abir
2	Create Buttons for sharing specific surveys for different social media platforms	1	Backend	Abir
3	Integrating buttons onto web application	1.5	Frontend	Pranav
4	Testing if sharing buttons work	1	Frontend	Pranav

Acceptance Criteria:

1. Given that the sharing buttons are implemented correctly, when a user creates a survey and clicks on the button the app should give the option to share on that specific social media platform.

2. Given that the share button actually posts on social media, the link should correspond to that particular survey that the user created.
3. People that click on the link should be brought to the survey first and then asked if they want to sign up or login after submitting the survey.

User Story 3

As a survey participant, I would like to submit responses to surveys both anonymously and securely.

#	Description	Time (hours)	Team	Owner
1	Discuss strategies to accomplish tasks.	1.5	All	Vedant
2	Research Flask and Firebase connection	1.5	Backend	Abir
3	Setup Firebase for web application	1.5	Backend	Abid
4	Create Test survey and create connection between flask app and firebase	1.5	Backend	Abir
5	Test connection and data transfer between Flask and Firebase	1	Backend	Abir

Acceptance Criteria:

1. Given that firebase is setup correctly, the flask app would be able to push and pull data from the database (Firebase).
2. Given that the test survey is setup correctly, the flask app should take only user responses nothing more due to anonymous requirement, process user input and push to firebase if necessary.
3. Given Flask is setup correctly, pushing and pulling from firebase should be secure.

User Story 8

As a survey participant, I would like to share the survey I just submitted.

#	Description	Time (hours)	Team	Owner
1	Discuss strategies to accomplish tasks.	1.5	All	Abid
2	Setting up sharing mechanism to accessible when the user submits or saves progress on a survey	1.5	Backend	Abir
3	Setup on Firebase to ensure that the users survey was stored and later would be able to interact with sharing platforms	1	Backend	Abid
4	Interlink the client's shares with logs on Firebase	1.5	Backend	Abir
5	Integrate sharing feature with common sharing APIs	1	Backend	Abid

Acceptance Criteria:

1. Given that the sharing buttons are implemented correctly, when a user creates a survey and clicks on the button the app should give the option to share on that specific social media platform.

2. Given that the sharing mechanism is implemented correctly and works as it should, that is it ensures that the newly answered survey does get posted to the users desired social media platform.

User Story 11

As a user, I would like the web application to be mobile friendly.

#	Description	Time (hours)	Team	Owner
1	Consult tutorials about Bootstrap in order to build out base of the website	4	Frontend	Pranav
2	Translate base website to be mobile friendly	3	Frontend	Vedant
3	Test website on a variety of different screen sizes and screen aspect ratios (smaller/larger phones and tablets)	2	Frontend	Pranav

Acceptance Criteria:

1. After learning more about Bootstrap, having a basic functional framework for the website with all of the separate elements and tabs that it should have

2. The website outline should be compatible with any screen size and there shouldn't be a problem with the aspect ratio being skewed on any device.
3. The template shouldn't affect anything that was already built as a part of the project

User Story 12

As a user, I want the option to sign up for an account so that my surveys aren't tied to any single device.

#	Description	Time (hours)	Team	Owner
1	Create stable backend with basic user authentication	5	Backend	Abir
2	Test user creation and deletion	2	Backend	Abid
3	Create front-end sign up page and tie it to backend	5	All	Vedant/Pranav

Acceptance Criteria:

1. Creating users and managing them in the database should be stable

2. All of the users' entered information should be checked for validity
3. The front-end page must be intuitive and tie well with the backend

User Story 13

As a user, I want the option to login and manage my account.

#	Description	Time (hours)	Team	Owner
1	Create login page and tie to backend	3	All	Vedant/Pranav
2	Test user login	2	Backend	Abid
3	Create basic user settings, tied uniquely to each user	5	Backend	Abir

Acceptance Criteria:

1. Have an intuitive login page, that makes sure the user doesn't already exist before creating one
2. User settings must be tied uniquely to each user and persist after logout

User Story 24

As a survey creator, I want the option to have a centralized location for all my surveys.

#	Description	Time (hours)	Team	Owner
1	Evaluate various forms for a survey feed/hub	2	Backend	Abid
2	Configure layout for the hub and all interactions being done with it	1	Backend	Abir
3	Create infrastructure for pulling all available surveys and presenting them in a single location	1.5	Frontend	Abid
4	Testing the hub/feed and making it easily available to each user by seamlessly integrating it into the system	2.5	Backend	Abid

Acceptance Criteria:

1. Given that the user is able to find the surveys easily through the hub.
2. Given that the hub/feed mechanism is implemented properly is can be accessed by anyone who a user. Additionally, when a

user selects a certain survey, they are redirected to the actual survey so that the user can answer it.

Remaining Backlog (8 of 28 stories complete)

1. ~~As a user, I would like to create a survey by adding questions and required input only.~~
2. ~~As a user, once I created a survey I would like to share the link to the survey on social media.~~
3. ~~As a survey participant, I would like to submit responses to surveys both anonymously and securely.~~
4. As a user, I would like to see how many people submitted to each of my surveys.
5. As a user, I would like to view graphs based on participants' results
6. As a user, I would like to change graphs by changing which variables have accordance to which axis.
7. As a user, I would like to be notified every time n people have submitted survey responses.
8. ~~As a survey participant, I would like to share the survey I just submitted.~~
9. As a user, I would like to input email addresses to people who I want emailed the survey link straight from the website.

10. As a user, I would like to close a survey manually or set a date when creating the survey to automatically close the survey on that date.
11. ~~As a user, I would like the web application to be mobile friendly~~
12. ~~As a user, I want the option to sign up for an account so that my surveys tied to any single device.~~
13. ~~As a user, I want the option to login and manage my account.~~
14. As a user, I would like for there to be pre-defined survey templates.
15. As a user, I would also like for there to be customizable survey templates.
16. As a user, I would like for the data download to be easy to access.
17. As a user, I would like for the data to be easily readable and understandable with different formatting options.
18. As a user, I would like to be able to look at all my active surveys separately in a hub.
19. As a survey receiver, I would like for the option to receive surveys in my email or on the application itself.
20. As a survey receiver, I would like to receive/manage notifications for new surveys and get reminders for when the surveys expire.

21. As a survey receiver, I would like for the survey interface to be user friendly and easy to fill out.
22. As a survey receiver, I would like to be able to block certain users from sending me surveys.
23. As a survey receiver, I would like to be able to see my progress on a survey as I am filling it out.
24. ~~As a survey creator, I want the option to have a centralized location for all my surveys.~~
25. As a survey creator, I would like for the option to have access to all my statistical data gathered from surveys.
26. As a survey taker, I would like to be able to view the creators of the survey and learn more information about them if they allow it.
27. As a survey creator, I would like the option to bundle user emails under a mailing list to make it easy to send out future surveys to the same groups of people if necessary.
28. As a survey taker, I would like the option to create an account to keep track of every survey I have answered.