



Sprint 1 Planning Document

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Sprint Overview:

During this sprint, we hope to set the stage and get started with our project. We plan to create a functional build that can fulfill the user stories we have planned to implement in this sprint on top of setting up the server and database for our android application.

Scrum Master: Siddhesh Patil

Meeting Plan: Thursdays @ 9 am

Risks and Challenges:

Some challenges that we will face during the sprint would be getting the basic structure of the app up and running. Setting up the database and server and figuring out how to implement CRUD features would be our main hurdle. Also, since the team has minimal experience with Android and Realm, this sprint would require a lot of learning Android and Realm concepts.

Current Sprint Detail

User Story #1

As a user, I would like to sign-up for a Travelin account.

#	Description	Estimated Time	Owner
1	Create UI for the signup page	2 hours	Aastha
2	Choose and Implement hashing function for the password.	4 hours	Upmanyu
3	Create an algorithm for password strength check	4 hours	Stephen
4	Debug and test algorithm using unit tests	5 hours	Aastha, Siddhesh

Acceptance Criteria:

- Given that the UI to click for signing-up is implemented correctly, when the user clicks on sign-up, then the signup page with appropriate fields namely, email, password, and confirm password is displayed.
- Given that the hashing function is implemented correctly, when the user signs up, then the user's password is hashed in the database.
- Given that the connection between Database and UI is implemented correctly, when the user completes signing up, then the user's information will be added to the database, and the login page UI is displayed.

User Story #2

As a user, I would like to login to my Travelin account.

#	Description	Estimated Time	Owner
1	Create UI for the login page	2 hours	Siddhesh
2	Create an algorithm to query the database	2 hours	Dhairya, Kevin
3	Create an algorithm to keep user logged in between sessions	4 hours	Dhairya, Kevin
4	Debug and test using unit tests	5 hours	Dhairya, Kevin

Acceptance Criteria:

- Given that the UI for clicking login is implemented correctly, when the user clicks login, then the login page with appropriate fields namely, email, password, and forgot password is displayed.
- Given that the algorithm to keep users logged in is correctly implemented, when the user closes the app, then the user will remain logged in when the app is opened again
- Given that the connection between Database and UI is implemented correctly, when the user completes logging in, then the home page with recommended locations is displayed.

User Story #3

As a user, I would like to reset my password if I forget it.

#	Description	Estimated Time	Owner
1	Create UI for resetting password	2 hours	Aastha
2	Create UI for changing the password when logged in to the app	2 hours	Siddhesh
3	Create and email the user a strong password as a temporary password	2 hours	Stephen
4	Create algorithm to update user information in the database	3 hours	Upmanyu
5	Debug and test using unit tests	5 hours	Stephen, Upmanyu

Acceptance Criteria:

- Given that the UI for clicking reset password (when logged out) is implemented correctly, when the user clicks on reset password, then the user is prompted that an email has been sent to them with a temporary password.
- Given that the connection between Database and UI is implemented correctly, when the user views the prompt after clicking reset password, then the user receives an email with a strong temporary password.
- Given that the connection between the Database and UI is implemented correctly, when the user uses the temporary password to login or when the user is already logged in, then a page to create a new password is displayed.
- Given that the connection between the Database and UI is implemented correctly, when the user creates a new password, then the temporary or old password is deleted and the new password is hashed and stored in the database so that the user can log in normally.

User Story #4

As a user, I would like to log out from my Travelin account.

#	Description	Estimated Time	Owner
1	Create UI for logging out of the application	1 hour	Siddhesh
2	Debug and test using unit tests	3 hours	Dhairya

Acceptance Criteria:

- Given that the UI for clicking to log out is implemented correctly, when the user clicks on log out, then the user will be logged out and the login page is displayed.
- Given that the connection between the Database and UI is implemented correctly, when the user is logged out the user data is not deleted from the database.
- Given that the logout functionality is implemented effectively, when the user tries logging in, then the user can log back in safely without any problem.

User Story #5

As a user, I would like to rate my travel companions.

#	Description	Estimated Time	Owner
1	Create UI to rate a user and update rating	3 hours	Aastha, Siddhesh
2	Create an algorithm to insert and obtain rating information from the database	4 hours	Kevin
3	Debug and test using unit tests	5 hours	Dhairya, Kevin

Acceptance Criteria:

- Given that the UI to select rating is implemented correctly, when the user clicks on rate user, then the user will be able to select a rating out of 5 stars to rate another user.
- Given that the UI to edit rating is implemented correctly, when the user clicks on update rating, then the user will be able to update the rating they have posted for another user.
- Given that the connection between the UI and Database is implemented correctly, when the user selects or updates a rating, then the rating will be added or updated in the database and the new rating is displayed.

User Story #6

As a user, I would like to see my rating.

#	Description	Estimated Time	Owner
1	Create UI to view a user's own rating	1 hour	Aastha
2	Create an algorithm to obtain the user's rating from the database	4 hour	Upmanyu
3	Debug and test using tests	5 hours	Aastha, Siddhesh

Acceptance Criteria:

- Given that the UI for clicking on their profile is implemented correctly, when the user clicks on their profile, then the profile page will be displayed.
- Given that the UI for displaying rating is implemented correctly, when the user goes to their profile, then the rating will be displayed out of 5 stars in the profile page.
- Given that the connection between the Database and UI for displaying rating is implemented correctly, when the user goes to their profile and views a rating, then the rating will accurately be displayed as the average of all ratings that the user has received.

User Story #7

As a user, I would like to see my reviews.

#	Description	Estimated Time	Owner
1	Create UI to see a user's own reviews	2 hours	Siddhesh
2	Create an algorithm to obtain user's reviews from the database	4 hours	Stephen
3	Debug and test using unit tests	5 hours	Stephen, Upmanyu

Acceptance Criteria:

- Given that the UI for selecting their profile is implemented correctly, when the user selects their profile, then the profile page will be displayed.
- Given that the UI for displaying reviews is implemented correctly, when the user goes to their profile, then the reviews will be displayed in the profile page.
- Given that the connection between the Database and UI is implemented correctly, when the user goes to their profile, the reviews are displayed containing their authors, ratings, and the text body of the review.

User Story #8

As a user, I would like to be able to set a profile description.

#	Description	Estimated Time	Owner
1	Create UI for profile description	1 hour	Aastha
2	Create an algorithm to insert and obtain profile description from the database	4 hours	Kevin
3	Debug and test using unit tests	5 hours	Kevin, Dhairya

Acceptance Criteria:

- Given that the UI for viewing profile description is implemented correctly, when the user views the profile, then the user will be able to see the profile description.
- Given that the UI for setting profile description is implemented correctly, when the user clicks on set profile description, then a UI panel to write a description will be displayed.
- Given that the connection between the Database and UI for profile description is implemented correctly, when the user completes setting a profile description, then the user can see the updated profile description.

User Story #9

As a user, I would like to add a profile picture.

#	Description	Estimated Time	Owner
1	Create UI to have insert, update, and remove profile picture feature.	3 hours	Aastha, Siddhesh
2	Access camera roll and upload pictures to profile	6 hours	Stephen, Upmanyu
3	Obtain profile pictures URLs from the database	4 hours	Stephen, Upmanyu
4	Debug and test using unit tests	5 hours	Stephen, Upmanyu

Acceptance Criteria:

- Given that the UI for displaying profile is implemented correctly, when the user is viewing a profile, then the profile page will display the profile picture.
- Given that the UI for setting and adding pictures is implemented correctly, when the user clicks on 'add photo', the camera roll will open and they will be able to upload photos.
- Given that the app is able to access the camera roll correctly, when the user clicks on 'add photo', then the phone's gallery is displayed.

User Story #10

As a user, I would like to upload pictures to my profile from my previous travels.

#	Description	Estimated Time	Owner
1	Create UI to upload pictures to user profile	4 hours	Aastha, Siddhesh
2	Create an algorithm to store images and obtain them using URLs	10 hours	Dhairya, Kevin
3	Debug and test using unit tests	5 hours	Dhairya, Kevin

Acceptance Criteria:

- Given that the UI for displaying profiles is implemented correctly, when the users are viewing a profile, then they will be able to see a list of photos uploaded by the user.
- Given that the UI for adding photos is implemented correctly, when the user selects 'add photo', then they will be able to upload multiple photos to their profile.
- Given that the algorithm to store images is implemented correctly, when the user clicks on their profile after uploading images, then they will be able to see the images that they uploaded.

User Story #11

As a user, I would like to edit my profile.

#	Description	Estimated Time	Owner
1	Create UI to edit profile	4 hours	Aastha, Siddhesh
2	Create an algorithm to update profile information in the database	4 hours	Stephen
3	Debug and test using unit tests	5 hours	Stephen, Upmanyu

Acceptance Criteria:

- Given that the UI for clicking edit profile is implemented correctly, when the user clicks on edit profile, then the page to edit profile is displayed
- Given that the UI for setting profile is implemented correctly, when the user views the page to edit profile, then the user will be able to make changes to their profile
- Given that the connection between the UI and Database is implemented correctly, when the user completes editing a profile, then all users will be able to see the updated profile.

User Story #12

As a user, I would like to be able to specify my interests.

#	Description	Estimated Time	Owner
1	Create UI to set interest tags	2 hours	Aastha
2	Create an algorithm to insert and obtain interest information from the database	4 hours	Upmanyu
3	Debug and test using unit tests	5 hours	Stephen, Upmanyu

Acceptance Criteria:

- Given that the UI for displaying profiles is implemented correctly, when the user is viewing a profile, then they will be able to see a list of tags that the user has marked as their interests.
- Given that the connection between the database and UI for viewing profiles is implemented correctly, when the user is viewing a profile, then only the tags that have been approved by admins will be displayed.
- Given that the connection between the database and UI is implemented correctly, when a user creates a new tag, then the admins should be prompted to approve the tag.

User Story #13

As a user, I would like to be able to delete my account.

#	Description	Estimated Time	Owner
1	Create UI to delete an account	2 hours	Siddhesh
2	Create a deleted account page	2 hours	Aastha, Siddhesh
3	Delete data linked to the user from the	4 hours	Dhairya

	database.		
4	Debug and test using unit tests	5 hours	Dhairya, Kevin

Acceptance Criteria:

- Given that the UI for clicking on delete account is implemented correctly, when the user clicks on delete account, then the user is asked to confirm that they want to delete their account.
- Given that the connection between the UI and Database is implemented correctly, when the user confirms deleting the account, then the user is prompted to input login information to confirm identity.
- Given that the connection between the UI and Database is implemented correctly, when the user confirm identity by inputting login information, then the user profile is deleted and other users won't be able to see that profile.

User Story #14

As a user, I would like to search for other users.

#	Description	Estimated Time	Owner
1	Create UI to search other users	4 hours	Aastha, Siddhesh
2	Create an algorithm to obtain other user information from the database	4 hours	Dhairya
3	Debug and test using unit tests	5 hours	Dhairya, Kevin

Acceptance Criteria:

- Given that the UI for clicking on find people is implemented correctly, when the users click on find people, then the page with a list of users with similar interests is displayed.
- Given that the UI for clicking on search people is implemented correctly, when the users click on search other, then the user profile with that username is displayed.
- Given that the UI and algorithm to obtain user information from the database is implemented correctly, when the user clicks on a user from the list, then that user profile from the list is displayed.

User Story #15

As a user, I would like to filter the searched users based on their gender.

#	Description	Estimated Time	Owner
1	Create UI to filter searched users based on gender	2 hours	Siddhesh
2	Create an algorithm to return users based on gender	2 hours	Stephen
3	Debug and test using unit tests	5 hours	Aastha, Siddhesh

Acceptance Criteria:

- Given that the UI for clicking on filter is implemented correctly, when the user clicks on filter, then the filter options will be displayed to the user
- Given that the UI for clicking on filter options is implemented correctly, when the user clicks on multiple options, then the filter options will be selected correctly
- Given that the UI and algorithm to obtain information from the database is implemented correctly, when the user clicks on gender as the filter option, then the list displays users having the gender selected.

User Story #16

As a user, I would like to filter the searched users based on their ratings.

#	Description	Estimated Time	Owner
1	Create UI to filter searched users based on ratings	2 hours	Aastha
2	Create an algorithm to return users based on ratings	2 hours	Upmanyu
3	Debug and test using unit tests	5 hours	Aastha, Siddhesh

Acceptance Criteria:

- Given that the UI for clicking on filter is implemented correctly, when the user clicks on filter, then the filter options will be displayed to the user
- Given that the UI for clicking on filter options is implemented correctly, when the user clicks on multiple options, then the filter options will be selected correctly
- Given that the UI and algorithm to obtain information from the database is implemented correctly, when the user clicks on rating as the filter option, then the list displays users having the rating option selected.

Remaining Backlog

Functional

1. As a user, I would like to see destination recommendations based on my interests.
2. As a user, I would like to see travel companion recommendations based on similar interests
3. As a user, I would like to report another user.
4. As a user, I would like to be able to send messages to my potential travel companions
5. As a user, I would like to find hotels at my destination.
6. As a user, I would like to find flights to my destination.
7. As a user, I would like to receive message notifications.
8. As a user, I would like to be able to block other users.
9. As a user, I would like to be able to receive messages from my potential travel companions.
10. As a user, I would like to create groups with multiple people (if time allows)
11. As a user, I would like to send pictures (if time allows)
12. As a user, I would like to be able to see other users ratings
13. As a user, I would like to be able to easily navigate between tabs.
14. As a user, I would like to be able to edit the reviews and ratings I have posted for other users.
15. As a user, I would like to leave an anonymous comment along with the rating for another user on his/her profile page and it will be visible to other users.
16. As a user, I would like to book hotels to my destination (if time allows).
17. As a user, I would like to book flights to my destination (if time allows).
18. As a user, I would like to have a forum to have conversations with other users on specific topics
19. As a user, I would like to create a new post on the forum
20. As a user, I would like to reply to an existing post on the forum
21. As a user, I would like to upvote a post on the forum
22. As a user, I would like to downvote a post on the forum
23. As a user, I would like to report a post/comment on the forum
24. As a user, I would like to filter the content of the forum based on time posted.
25. As a user, I would like to filter the content on the forum based on popularity
26. As a user, I would like to post photos and videos to the forum
27. As a user, I would like to see who created or replied to a post
28. As a user, I would like to hide a post on my forum page.
29. As a user, I would like to delete my post on the forum.

Non-Functional

1. Must be able to open this app on Android products
2. Must have an interface that is intuitive and easily navigable
3. Must have a database that is easy to maintain and extend for new content
4. Must not be too complicated that detracts from the app experience