

Team 1 Sprint 1 Planning Document: WeChef

Team Members:

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Sprint Overview

During Sprint 1, our team will be focusing on setting up the app's basic functionalities, as well as designing the skeletal user interface of the entire app. When Sprint 1 concludes, users should at least be able to signup and login successfully into the app through Facebook, be able to navigate around the UI, and use some of the basic functions. For this Sprint, we will be focusing on user stories related to the following functionalities: user signup and login through Facebook, setup the overall layout and control the flow of the app, access the profile page and update the profile page, and setup the "conversion tools" functionality.

Scrum Master:

Zuyuan Fan

Meeting Schedule:

Monday / Wednesday / Friday 8PM - 10PM

Risks/Challenges:

For many of our team members, this isn't the first time they will be developing an iOS app. However, in order to keep up with the field's latest technology, we have chosen to use the more current and versatile React Native for the frontend development, and Cloudinary, MongoDB, and ExpressJS for the backend development. All these platforms are new to us and would take a substantial amount of time for the team to learn them from scratch. Additionally, many of the tasks are linear and require other tasks to be

successfully implemented first. An example would be the implementation of the Facebook signup and login function; it requires both the backend server and database as well as the frontend user interface to be setup first. Therefore, our team would have to plan ahead of time and manage our schedules efficiently in order to avoid being stuck in a situation where we are behind of schedule. Last but not least, as with any group projects, good communication between our team members is of utmost importance if we wish to succeed during this Sprint.

Sprint Overview

User Story 1

As a user, I want to create an account

#	Task Description	Estimated Time	Owner
1	Set up the server side resources including database (MongoDB), file storage (Cloudinary), API hosting solution (Heroku).	5 hr	Ling Zhang
2	Gather permissions for facebook app ID, Apple app ID, app Certifications, and Apple provisioning profile.	5 hr	Zuyuan Fan
3	Configure React Native project to connect with backend resources.	5 hr	Zuyuan Fan
4	Setup custom Restful API structure and connect with MongoDB and Cloudinary.	7 hr	Ling Zhang
5	Research on Facebook authentication	3 hr	Yuting Guo
6	Configure Facebook authentication as an API middleware.	8 hr	Yuting Guo
7	Implement API route to store Facebook user information into the database tables	6 hr	Ling Zhang
8	Write unit tests for API route to store Facebook user information into the database	4 hr	Ling Zhang

Acceptance Criteria

- ❖ Given that I have successfully understood MongoDB's functionalities, when I finish setting up the database structure, I should be able add data to and retrieve data from the database successfully.
- ❖ Given that I have successfully understood Heroku's framework, when I finish setting up the API hosting solution, I should be able to deploy the API to Heroku successfully.
- ❖ Given that I have successfully understood Cloundinary's functionalities, when I finish setting up the object storage services, I should be able add data to and retrieve data from the object storage successfully.
- ❖ Given that I have successfully understood React Native framework, when I finish setting up the user interface, I should be able to navigate through the skeletal UI successfully.
- ❖ Given that the client and backend API are properly implemented, when a user opens the app for the first time, he/she will be able to sign-up and create an account via Facebook.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 2

As a user, I want to sign in to the application

#	Task Description	Estimated Time	Owner
1	Learning how to use the Facebook Login SDK	3 hr	Yuting Guo
2	Design and implement sign in UI	5 hr	Zuyuan Fan
3	Implement Facebook Login in the frontend client	6 hr	Qi Meng
4	Unit test UI components on Login page	3 hr	Qi Meng
5	Integration testing on Login process	3 hr	Qi Meng

Acceptance Criteria

- ❖ Given that I have successfully understood React Native framework, when I have finished designing the UI, I should be able to implement the UI for the sign-up/login page for the app.
- ❖ Given that I have successfully understood Heroku's framework, when I finish setting up the API hosting solution, I should be able to retrieve the Facebook sign-up/login API from the frontend.
- ❖ Given that I have already signed up with a Facebook account, when I open the app, I will be able to login via Facebook account.
- ❖ Given I have signed up with Facebook for the first time, when I do not give the application the permission to access, then I should not be able to login the application.
- ❖ Given that I has already sign-up with a Facebook account, when I logs-on to the app, the first thing that I will be able to see is the app's homepage.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 3

As a user, I want to sign out of the application

#	Task Description	Estimated Time	Owner
1	Design and implement sign out UI	3 hr	Qi Meng
2	Unit test UI components on Signout page	3 hr	Qi Meng
3	Integration testing on signout process	3 hr	Qi Meng

Acceptance Criteria

- ❖ Given that I have successfully understood React Native framework, when I have finished designing the UI, I should be able to implement the button for the logout functionality for the app.
- ❖ Given that I have successfully logged out of the app, when I logout of the app, I should be required to login via Facebook again the next time to open the app.

- ❖ Given that I have successfully logged out of the app, when I try to perform actions and send HTTP requests with the old token, the API should be able to identify the invalid token and denied the access.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 4

As a user, I want to set a profile name

#	Task Description	Estimated Time	Owner
1	Implement client side function to determine whether the user allows the application to access user Facebook information	2 hr	Yuting Guo
2	Retrieve access token, user name, and other text form information from Facebook account and store in MongoDB	4 hr	Yuting Guo
3	Further modify the API route for creating a new user in the database by adding the functionality to store profile name while creating an account.	3 hr	Ling Zhang
4	Write unit tests for the functionality of creating an account with user defined profile name.	3 hr	Ling Zhang

Acceptance Criteria

- ❖ Given I have signed up with Facebook for the first time, when I give the application the permission to access my Facebook profile name, then it should be my profile name for my new account.
- ❖ Given I have signed up with Facebook for the first time, when I do not give the application the permission to access my Facebook name, then the app should not be able to automatically retrieve my Facebook profile name as the profile name for my new account.

- ❖ Given I have set a profile name, when I log back onto the application, I should be able to have the same profile name.
- ❖ Given I have successfully setup MongoDB, when I log into the app for the first time, the backend database should store the account profile name upon account creation.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 5

As a user, I want to set a profile picture

#	Task Description	Estimated Time	Owner
1	Implement client side function to determine whether the user allows the application to access user Facebook information	2 hr	Yuting Guo
2	Retrieve access token and profile picture from Facebook account and store in Cloudinary	4 hr	Yuting Guo
3	Further modify the API route for creating a new user in the database by adding the functionality to store profile picture while creating an account.	3 hr	Ling Zhang
4	Write unit tests for the functionality of creating an account with user defined profile picture.	3 hr	Ling Zhang

Acceptance Criteria

- ❖ Given I have signed up with Facebook for the first time, when I give the application the permission to access my Facebook profile picture, I should be able to set it as my profile picture for my new account.
- ❖ Given I have signed up with Facebook for the first time, when I do not give the application the permission to access my Facebook profile

picture, then the app should not be able to automatically retrieve my Facebook profile picture as the profile picture for my new account.

- ❖ Given I have set a profile picture, when I log back to the application, I should be able to have the same profile picture.
- ❖ Given I have successfully setup MongoDB, when I log into the app for the first time, the backend database should store the account profile picture upon account creation.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 6

As a user, I want to access my profile page

#	Task Description	Estimated Time	Owner
1	Design and implement UI for the Profile page	6 hr	Zuyuan Fan
2	Implement API route to respond to client request to retrieve user profile information from database and object storage	6 hr	Qi Meng
3	Display user profile information in the Profile page	6 hr	Qi Meng
4	Unit test UI components on the Profile page	6 hr	Qi Meng
5	Write unit tests for the API route of getting user profile information	3 hr	Qi Meng

Acceptance Criteria

- ❖ Given I have already logged onto the app, when I am on the app's homepage, I should be able to see the "profile" icon on the navigation panel.
- ❖ Given I have successfully setup the navigation panel UI, when I click the "profile" icon on the navigation panel, I should be able to see my current basic profile information, including profile picture, profile name, and other basic personal information.

- ❖ Given that I have made changes and left the profile page, when I revisit the profile page again, I should be able to see my most up-to-date profile information, including profile picture, profile name, and other basic personal information.
- ❖ Given that I have successfully setup Heroku and MongoDB and implemented the API route from the backend, when I try to retrieve information from the frontend UI, I should be able to successfully retrieve user profile information from the database and object storage.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 7

As a user, I want to update my profile name

#	Task Description	Estimated Time	Owner
1	Create "Edit Profile" button and connect to the "Edit Profile" view	4 hr	Zuyuan Fan
2	Create "Edit Profile" view used for users to input basic profile information, like name	3 hr	Zuyuan Fan
3	Create "Submit" button to submit profile changes and connect back the to "Profile Page"	3 hr	Sean Chew
4	Implement handler function that communicate with the database to handle the profile updating process.	8 hr	Sean Chew
5	For the updating handler, implement functions to refresh the user profile after it has been updated	8 hr	Sean Chew
6	Unit test UI components on "Edit Profile" page	3 hr	Sean Chew

7	Conduct integration testing to make sure components connects to each other correctly	3 hr	Sean Chew
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Acceptance Criteria

- ❖ Given that I have already logged into our app, when I navigate to the profile view, I will be able to see a “edit profile button”
- ❖ Given that I am navigated to the profile page, when I click the edit profile button, I will be able to see “Edit Profile” page in a separate view
- ❖ Given that I have navigated to the profile editor view, when I click on the text bars, I will be able to edit all the basic information, such as name, gender, and age
- ❖ Given that I have filled up new profile information, when I click the submit button, I will be able to see my updated profile information
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 8

As a user, I want to update my profile picture

#	Task Description	Estimated Time	Owner
1	Create “Edit Picture” button and connect to the “Edit Picture” view	4 hr	Zuyuan Fan
2	Create a view let users to choose a profile picture from their photo album	3 hr	Zuyuan Fan
3	Create “Submit” button to submit profile picture changes and connect back the to “Profile Page”	3 hr	Sean Chew
5	Implement API route that communicate with the database to handle the profile picture updating process.	6 hr	Ling Zhang

6	For the updating handler, implement functions to refresh the user profile after it has been updated	6 hr	Sean Chew
7	Unit test UI components on "Edit Profile Picture" button and "Edit Profile Picture" page	3 hr	Sean Chew
8	Conduct integration testing to make sure components connects to each other correctly	3 hr	Sean Chew
9	Write unit tests for the API route of updating profile picture	3 hr	Ling Zhang

Acceptance Criteria

- ❖ Given that I have already logged into our app, when I navigate to the profile view, I will be able to see a "edit profile button"
- ❖ Given that I am navigated to the profile view, when I click the "edit profile button", I will be directed to "edit profile picture" view in a separate page
- ❖ Given that I am navigated to "edit profile picture" page, when I select one picture as new profile picture from my own photo album, I will be able to see a submit button.
- ❖ Given that I have chosen a picture, when I click the submit button, I will be redirected back to profile page and the new profile picture will be displayed.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

User Story 9

As a developer, I want to provide the users unit conversion function

#	Task Description	Estimated Time	Owner
1	Set up the unit selection UI for unit conversion tool	3 hr	Zuyuan Fan

2	Set up the number entry UI for unit conversion tool	3 hr	Zuyuan Fan
3	Set up the reactive submit button for unit conversion tool	2 hr	Yuting Guo
4	Implement the client side function to extract units selected, and set default units if no selected	3 hr	Yuting Guo
5	Implement the client side functions to convert from one unit to another unit when the submit button is clicked	5 hr	Yuting Guo
6	Write unit tests to test the conversion functionality with corner cases	4 hr	Yuting Guo

Acceptance Criteria

- ❖ Given that I have some data that I want to convert to another unit (such as cm to inches), when I select the conversion tool on the app, then I will be able to select the units I want to convert from and to.
- ❖ Given the number entry UI for number input, when I enter the number to convert, then the submit button changes from inactive to active.
- ❖ Given the submit button is active, when I hit the submit button, the conversion function will be triggered and conversion result is returned to me.
- ❖ Given that I have written test cases for the user story, when I test the app with the various test cases, I should be able to pass all of the test cases without any errors.

Backlog

1. [As a user, I want to create an account](#)
2. [As a user, I want to sign in to the application](#)
3. [As a user, I want to sign out of the application](#)
4. [As a user, I want to set a profile name](#)
5. [As a user, I want to set a profile picture](#)
6. [As a user, I want to access profile page](#)

7. As a user, I want to update my profile name

8. As a user, I want to update my profile picture

9. As a user, I want to search for a particular recipe from the search bar using the recipe name

10. As a user, I want to search for a recipe using particular ingredients

11. As a user, I want to see ingredients and the amount used in the recipe

12. As a user, I want to see step-by-step details of the recipes

13. As a user, I want to see pictures of the dish posted by the author of the recipe

14. As a user, I want to watch cooking videos posted by the author of the recipe

15. As a user, I want to see pictures of dishes cooked by other users who used the recipe

16. As a user, I want to see comments and questions posted by other users who used the same recipe

17. As a user, I want to add ingredients of a recipe to my shopping list

18. As a developer, I want to provide the users unit conversion function

19. [If time permits] As a user, I want to view my shopping list by recipe

20. [If time permits] As a user, I want to combine recipe ingredients in shopping list

21. [If time permits] As a user, I want to remove all ingredients from my shopping list

22. [If time permits] As a user, I want to remove ingredients in a recipe from my shopping list

23. [If time permits] As a user, I want to see the homepage of the author of a particular dish

24. [If time permits] As a user, I want to add a particular recipe to favorites

25. [If time permits] As a user, I want to like a particular recipe

26. As a user, I want to post detailed steps of my own recipes

27. As a user, I want to post pictures of my own recipes

28. [If time permits] As a user, I want to post videos of my own recipes

29. As a user, I want to ask questions about a particular recipe

30. As a user, I want to post comments under the recipes that I have used

31. As a user, I want to post pictures of my version of the dishes under the recipes that I have used

32.As a user, I want to rate subjective quality of the recipes that I have used

33.As a user, I want to rate subjective difficulty of the recipes that I have used

34.As a user, I want to edit the recipe that I have posted

35.[If time permits] As a user, I want to follow the users whom I am interested in