

AllinWallet

All-in-one Personal Finance App

Team 26 Sprint 2 Planning Document

Team Members

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1. As a user, I would like the ability to permanently delete my account profile.(Yufei)
2. As a user, I would like the ability to report issues to the project developers.(Yufei)
3. As a user, I would like to set a picture as my profile avatar and change it if I wish.(Yufei)
4. As a user, I would like to see some money saving tips while the app is on the loading screen.
5. As a user, I would like to add location and time tags to my purchase. (Shaan)
6. As a user, I would like to delete unwanted purchases that I entered in accidentally. (Shaan)
7. As a user, I would like to be able to sort the purchases in my spend analysis report by time/category/title/cost. (Junyi)
8. As a user, I would like to see what category I have spent money on the most.
9. As a user, I would like the ability to search a specific purchase by title. (Junyi)
10. As a user, I would like to know how much money I was under my budget for a giving period of time.(Ray)
11. As a user, I would like the start screen/landing page of the app to display as much relevant information (e.g. budget, income, spending, etc) as possible so that I don't have to navigate to other places for these information.(Ray)

Sprint Overview

The primary goal of Sprint 2 will be continue finish the user story we left, and also fix the issues we left from Sprint 1. Including the missing functionalities as well as fix the GUI to increase usability. Another goal of Sprint 2 is to link the modules, since some of the modules we finished in Sprint 1 are not linked to other modules. Once the app modules are linked we will be able to see different actions tie together with others. This along with the updates to the GUI we will be making to the will allow for a more fluid user experience. By the end of this sprint, the app should be almost done and we should be able to release the Beta version of the app and start open testing.

Scrum Master: Yufei Xu

Meeting Plan: Saturdays 3:30pm to 5:30pm

Risk and Challenges:

The risk we will face in this Sprint is that we will add many new fields to the backend which the backend we finished in Sprint 1 might not fit the requirement in this Sprint. The risk here is that we might change the whole data structure we have now which will be time risk. Also it will be risk that the new functionalities we add in this Sprint will cause problem for the functionalities we have done. Then challenges we face in this Sprint is how to make a user-friendly GUI to increasing usability. In this Sprint we will focus on the GUI part, which will be a challenge that what is a good GUI and how to build a good GUI. Implementing the GUI will add structure to our front end, but will also be risky as we have to be careful on which parts different members are working on. Since merging GUI changes might lead to more complex issues as opposed to backend functions.

Current Sprint Detail

User Story #1

As a user, I would like the ability to permanently delete my account profile.

#	Description	Estimated Time	Owner
1	Add a button in the user profile page and popup a confirm warning	0.5 Hrs	Junyi
2	Implement delete user data in the database functionality	1 Hrs	Ray
3	Implement delete user authentication functionality	1 Hrs	Ray
4	Implement clean app data in the local device	1 Hrs	Rohith
5	Test delete functionality and make sure all the relative data delete successfully	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI for delete the account works correctly and the popup confirmation warning works correctly, when user confirm do delete all the user data and when user cancel do not delete anything.
2. Given that the delete functionality works correctly, the users should be able to delete all their user data including the data storing in our database ,also the authentication for the user and the local cache data in users' local device.
3. Given that the delete functionality works correctly, other users should be able to see the number of registered user decrease by correct number.

User Story #2

As a user, I would like the ability to report issues to the project developers.

#	Description	Estimated Time	Owner
1	Add a button for reporting issues and a page for the user to enter problem	0.5 Hrs	Shaan
2	Get the text user enter and implement functionality to send the report to the developer	2 Hrs	Yufei
3	Add a message box and implement functionality for the user to receive reply from the developer	1 Hrs	Yufei
4	Test the report/reply functionality works well	0.5 Hrs	Rohith

Acceptance Criteria:

1. Given that the GUI for reporting issues works correctly, when the users want to report issues they have they can enter their issues in text and also if time allows, we want to implement functionality for the user to submit a screenshot when issues happened.
2. Given that the report sending functionality works correctly, when the users send report, the developers should receive the report send by the user directly and also the developers should be able to have a way to reply to that user.
3. Given that the sending reply functionality works correctly, when the developer send reply to the user, the user should be able to receive the reply from the developer. If time allows, we want to implement functionality for the user to choose open or close the issues discussion in order to solve some issues that cannot be solved by one report/reply cycle.

User Story #3

As a user, I would like to set a picture as my profile avatar and change it if I wish.

#	Description	Estimated Time	Owner
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1	Add user picture in multiple pages and add gui for the user to set/change profile picture	0.5 Hrs	Rohith
2	Implement data structure in the backend to store profile picture	1 Hrs	Yufei
3	Implement functionality in the front end to send profile picture	1 Hrs	Yufei
4	Implement functionality in GUI to show the user profile picture	1 Hrs	Junyi
5	Test set/change profile picture	0.5 Hr	Ray

Acceptance Criteria:

1. Given that the GUI for set/change profile picture works correctly, when the user want to set/change profile picture, the user should be able to submit a picture from their album.
2. Given that the store profile picture works correctly, when the user submit their profile picture, the backend should be able to store the picture correctly for correct user.
3. Given that the GUI for showing the profile picture works correctly, when the user submit their profile picture, the GUI should change to the picture the user submit and also when user does not submit any picture it should show a default profile picture.
4. Given that the GUI for showing the profile picture works correctly, when the user change their profile picture, the GUI should update immediately.

User Story #4

As a user, I would like to see some money-saving tips while the app is on the loading screen.

#	Description	Estimated Time	Owner
1	Put together/come up with numerous money-saving tips where each one at a time will be displayed on the loading screen	3 Hrs	Yufei
2	Use a data structure or implement a method that randomizes these money-saving tips and ensures that different ones are displayed on the loading screen each time until all of them are ultimately seen/viewed	3 Hrs	Junyi
3	Implement functionality to store money-saving tips in the back end	3 Hrs	Shaan
4	Implement ability to display money-saving tips in the front end	4 Hrs	Ray
5	Test loading screen to see if money-saving tips appear	1 Hr	Rohith

Acceptance Criteria: //TEMPLATE ONLY:

1. Given that the money saving tips on the loading screen are working correctly, we should see a constructed GUI display the tips in a modern fashion.
2. Given that the money saving tips appear on the screen, they should appear random to the user and not in any order.
3. Given that the user can see the money saving tips, we will have a database holding the information for all the tips in total
4. Given that the tips display functionality is displaying properly, users should be able to join the app and instantly view budgeting tips while in their loading time.

User Story #5

As a user, I would like to add location and time tags to my purchase.

#	Description	Estimated Time	Owner
1	Add to the GUI for editing existing purchases (adding visibility for locations/time tags)	3 Hrs	Ray
2	Implement functionality to modify user data (edit existing purchases) in the back end	3 Hrs	Shaan
3	Implement ability to add a location/time tag to existing purchases in the front end	2 Hrs	Rohith
4	Implement functionality to synchronize user data after modifying a purchase	2 Hrs	Yufei
5	Test purchase modification functionalities	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI to revise existing purchases is constructed and working correctly, when the user wishes to modify an existing purchase, the correct/relevant data of the purchase should be displayed in a popup window. The user may then decide whether to proceed with the modification or not.
2. Given that the purchase modification functionality is working properly in the front end, when a purchase is modified by the user, the underlying data structure of the client should also have the corresponding data, in this case, the location/time tag, updated.
3. Given that the user data synchronization functionality is working properly, when a purchase is modified (location/time tag) by the user, the client should send a data update request to the server in JSON format.
4. Given that the user data modification functionality is working properly in the back end, when the client sends a request to edit purchases, the server should query the database to update the user data belonging to that specific user.

User Story #6

As a user, I would like to delete unwanted/unneeded purchases.

#	Description	Estimated Time	Owner
1	Build the GUI to edit existing purchases.	3 Hrs	Ray
2	Implement functionality to delete user data (remove an existing purchase) in the back end	3 Hrs	Shaan
3	Implement ability to remove an existing purchase and its data in the front end	2 Hrs	Rohith
4	Implement functionality to synchronize user data after removing a purchase	2 Hrs	Yufei
5	Test purchase removal functionalities	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI to revise existing purchases is constructed and working correctly, when the user wishes to remove an existing purchase, the correct/relevant data of the purchase should be displayed in a popup window. There should be a delete/remove button on the bottom of the window. The user may then decide whether to proceed with the deletion or not.
2. Given that the purchase modification functionality is working properly in the front end, when a purchase is removed by the user, the underlying data structure of the client should also have the corresponding data updated to remove the purchase.
3. Given that the user data synchronization functionality is working properly, when a purchase is deleted by the user, the client should send a data update request to the server in JSON format. As a result, the purchase should no longer exist in the server.
4. Given that the user data modification functionality is working properly in the back end, when the client sends a request to delete purchases, the server should query the database to update the user data belonging to that specific user (remove that particular purchase).

User Story #7

As a user, I would like to be able to sort the purchases in my spend analysis report by time/category/title/cost.

#	Description	Estimated Time	Owner
1	Add the sort button which can sort the purchases by time/category/title/cost	0.5 Hrs	Junyi
2	Implement functionality to sort the purchases in the back end	1 Hrs	Ray
3	Implement ability to show the sorted purchase in the front end	1 Hrs	Ray
4	Implement functionality to synchronize user data after modifying a purchase	1 Hrs	Rohith
5	Test sort purchase functionalities	1 Hr	Junyi

Acceptance Criteria:

1. Given that the button for sorting the purchases by time/category/title/cost works correctly, when user confirm do delete all the user data and when user cancel do not delete anything.
2. Given that the sort functionality works correctly, the users should be able to sort the purchases correctly, the backend should be able to analysis the data and sort them by time/category/title/cost.
3. Given that the user data synchronization functionality is working properly, when a purchase is modified by the user, the client should send a data update request to the server in JSON format. The sorted purchase should be updated.
4. Given that the button for showing the sorted purchases works correctly, when the user click the button, the GUI should change to page which list the sorted purchases by time/category/title/cost.

User Story #8

As a user, I would like to see what category I have spent money on the most.

#	Description	Estimated Time	Owner
1	Add the categorize by money button, once pressed will show which category I spent the most money on	0.5 Hrs	Junyi
2	Implement delete user data in the database functionality	1 Hrs	Ray
3	Implement categorization functionality by money	1.5 Hrs	Rohith
4	Test categorize by money	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI for categorize by money works correctly and users are able to press the button.
2. Given that the actual categorize by money functionality works correctly, the users should be able to see which category was the one they spent more money on, and should reflect properly from the purchases from the database.
3. Given that the delete functionality works correctly, other users should be able to see the category with the most money spent

User Story #9

As a user, I would like the ability to search a specific purchase by title.

#	Description	Estimated Time	Owner
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1	Add the button which can search a specific purchase by title	0.5 Hrs	Rohith
2	Implement functionality to search a specific purchase by title in the back end	1 Hrs	Yufei
3	Implement ability to show the specific purchase in the front end	1 Hrs	Yufei
4	Test search a specific purchase by title functionalities	0.5 Hr	Ray

Acceptance Criteria:

1. Given that the button which can search a specific purchase by title works correctly, when the user wants to search certain purchase, the user should be able to see the purchase information they want by clicking this button.
2. Given that the searching a specific purchase works correctly, when the user click the search button, the backend should be able to find the purchase that the user wants by title.
3. Given that the GUI for showing the specific purchase works correctly, when the user click the search button, the GUI should pop up the information of the purchase that the user wants to see.

User Story #10

As a user, I would like to know how much money I was under my budget for a giving period of time.

#	Description	Estimated Time	Owner
1	Add the remaining budget display to the start screen/landing page	3 Hrs	Ray
2	Implement functionality to choose a weekly, monthly, or annual budget type	4 Hrs	Ray
3	Implement the budget type functionality in the back end	1 Hr	Yufei
4	Improve the GUI related to budget	3 Hrs	Shaan
5	Test the budget functionalities	1 Hr	Rohith

Acceptance Criteria:

1. Given that the GUI of remaining budget display is implemented correctly in the start screen/landing page, the user should be able to see how much money they have left in the current budget.
2. Given that the budget GUI is implemented properly, the client should be able to choose a budget limit and select a budget type from one of the followings: weekly, monthly, or annual.
3. Given that the budget type functionality is implemented correctly both the in the front and back end, once the user chooses their budget limit and type, the database should have the ability to record the budget data and type.

User Story #11

As a user, I would like the start screen/landing page of the app to display as much relevant information (e.g. budget, income, spending, etc) as possible so that I don't have to navigate to other places for these information.

#	Description	Estimated Time	Owner
1	Implement the functionality to display personal income in the start screen/landing page	3 Hrs	Yufei
2	Implement a ListView or similar Android widget in the start screen to display user purchases	4 Hrs	Ray
3	Improve the interactions between the start screen and add purchase screen.	3 Hrs	Ray
4	General GUI improvements of the the start screen/landing page	3 Hrs	Ray
5	Test various functionalities in the start screen	1 Hr	Rohith

Acceptance Criteria:

1. Given that the GUI of personal income display is implemented correctly in the start screen, once the user has set the income in the profile page, the user should be able to see their income in the start screen.
2. Given that the ListView widget of user purchases is implemented properly in the start screen, the user should be able to tap on a purchase item and enter the add purchase screen to modify the purchase.
3. Given that the GUI of the start screen is implemented properly, the user should be able to see most of the information they needed in the start screen

Remaining Backlog

1. ~~As a user, I would like to register for an AllinWallet account so that I can synchronize my profile and data across devices.~~
2. ~~As a user, I would like to log in with a username and password.~~
3. ~~As a user, I would like to log out of the app so that I can prevent other people from accessing my profile.~~
4. ~~As a user, I would like the ability to permanently delete my account profile.~~
5. ~~As a user, I would like the ability to report issues to the project developers.~~
6. ~~As a user, I would like the ability to backup and restore my data so that I can undo any potential mistakes or prevent data loss.~~
7. ~~As a user, I would like to add my email to my AllinWallet account so that I can reset my password through email.~~
8. ~~As a user, I would like to set a picture as my profile avatar and change it if I wish.~~
9. As a user, I would like to use this application with a language of my choosing.
10. As a user, I would like to choose the currency I am using.
11. ~~As a user, I would like to see some money saving tips while the app is on the loading screen.~~
12. As a user, I would like to have many different themes to choose from so that I can customize the look of the app.
13. As a user, I would like to quickly access the app features that I use the most.
14. ~~As a user, I would like to enter the amount of money I have just spent and create a purchase in my account profile.~~
15. ~~As a user, I would like to add a title to my newly created purchase.~~
16. ~~As a user, I would like to choose a category for my newly created purchase.~~
17. ~~As a user, I would like to add location and time tags to my purchase.~~
18. As a user, I would like to take a picture of the sales receipt and add it to my purchase.
19. ~~As a user, I would like to delete unwanted purchases that I entered in accidentally.~~
20. ~~As a user, I would like to create a weekly, monthly, or annual budget so that I will be notified when I'm about to go over/exceed my budget.~~
21. ~~As a user, I would like to see my weekly, monthly, or annual spend analysis report.~~
22. ~~As a user, I would like to be able to sort the purchases in my spend analysis report by time/category/title/cost.~~
23. ~~As a user, I would like to see a spend analysis report for a specific period of time.~~

- 24. As a user, I would like to add recurring charges (e.g. cell phone bills) to my profile so that those spendings appear in my spend analysis report automatically.
- ~~25. As a user, I would like to see what category I have spent money on the most.~~
- 26. As a user, I would like to view my purchases on a calendar so that I can see the amount of money I spend each day.
- ~~27. As a user, I would like the ability to search a specific purchase by title.~~
- 28. As a user, I would like to limit my search results by category and/or range of cost/time.
- ~~29. As a user, I would like the start screen/landing page of the app to display as much relevant information (e.g. budget, income, spending, etc) as possible so that I don't have to navigate to other places for these information.~~
- 30. As a user, I would like to see a graph visualization (e.g. percentage bar, pie chart) of categories that I have spent money on.
- 31. As a user, I would like to know how much money I was under my budget for a giving period of time.
- 32. As a user, I would like to know if my money spending habits have improved since I started using the app.
- 33. As a user, I would like to share my activities and progress I made on social media.
- ~~34. As a user, I would like the ability to know how many people are currently using this app.~~

