

AllinWallet

All-in-one Personal Finance App

Team 26 Sprint 3 Planning Document

Team Members

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Sprint Overview

Sprint 3 is the last Sprint of this project. In this sprint, we will finish all the user stories that we can implement, and fully test each module to make sure all the modules are working correctly. So the main task in this sprint is to finish all the user stories that we can implement. In addition, we are going to fix the problems that left in the previous two sprint and increase the usability of our app which require us to make our ui more user friendly. Another important task in this sprint is to fully test each module we already implement to make sure all the user stories are working correctly.

Scrum Master: Yufei Xu

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

Risk and Challenges:

Cause this is the last sprint of our project, so the risk we will face in this sprint is that we cannot finish all the user stories we plan to finish in the backlog since some of the user stories are time consuming and others are technically hard to be implemented (some user story like provide different language for user to use). So we might need to give up some of the user stories and concentrate more on the user stories that we can implement. Another risk is that the functionalities we are going to implement in this sprint is relates to the functionalities we already have in previous sprint and we might need to rewrite the functionalities we wrote in the previous sprint to fit the functionalities we are going to implement which will cost lots of time. And challenge here is to manage our time to finish this project on time and also it would be a challenge that after finish all the user stories, we need to spend time on testing the whole app to make sure each modules are working in the right way.

Current Sprint Detail

User Story #1

As a user, I would like to choose the currency I am using.

#	Description	Estimated Time	Owner
1	Add choose currency type button	0.5 Hrs	Junyi
2	Implement currency changing functionality by different currencies	1.5 Hrs	Rohith
3	Test to see if different currencies can be chosen	1 Hr	Junyi

Acceptance Criteria:

1. Given that the choose currency feature is working properly, when the user wants to change the currency which they are using they should be able to with a press of a button.
2. Given that different currencies are an option, the user should be able to switch between as many currencies as we offer.
3. Given that the GUI is working properly, the user should be able to see a button and be able to click it to actually change the currencies.

User Story #2

As a user, I would like to have many different themes to choose from so that I can customize the look of the app.

#	Description	Estimated Time	Owner
1	Add the buttons in order to choose various types of themes that users can use to customize the application	0.5 Hrs	Junyi
2	Implement themes data in the database functionality to store the different users themes.	1 Hrs	Ray
3	Implement themes functionality which allows users to switch between the different themes.	1.5 Hrs	Rohith
4	Test the ability to switch between themes.	1 Hr	Junyi

Acceptance Criteria:

1. Given that the option to choose different themes, is working properly, the user will be able to change the visual layout of the application
2. Given that the functionality of themes are in order, the user should be able to see the proper themes that they select when switching themes.
3. Given there are various themes to choose from, the user should be able swap themes as often as they like on as many themes as they want.

User Story #3

As a user, I would like to take a picture of the sales receipt and add it to my purchase.

#	Description	Estimated Time	Owner
1	Add the button for taking the picture of the sales receipt. Once the user clicks the button, they are able to take the picture of their receipts.	0.5 Hrs	Junyi
2	Implement data structure in the backend to store receipt picture.	1 Hrs	Yufei
3	Implement functionality in the front end to send receipt picture	2 Hrs	Yufei
4	Implement functionality in GUI to show the user receipt picture	1 Hr	Junyi
5	Test set receipt picture	0.5 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI for set receipt picture works correctly, when the user want to add the receipt picture, the user should be able to submit a picture.
2. Given that the store receipt picture works correctly, when the user submit their receipt picture, the backend should be able to store the picture correctly for correct user.
3. Given that the GUI for showing the receipt picture works correctly, when the user submit their receipt picture, the GUI should display the picture.

User Story #4

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.

#	Description	Estimated Time	Owner
1	Add the button which user can add recurring charges(e.g. Cell phone bills) to the profile.	0.5 Hrs	Junyi
2	Implement the data structure in the backend to store the information of recurring charges.	1 Hrs	Ray
3	Implement functionality in the front end to add the recurring charges.	1.5 Hrs	Rohith
4	Test add recurring charges.	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI for adding recurring charges works correctly and users are able to press the button.
2. Given that the adding recurring charges functionality works correctly, the users should be able to see the recurring charges would appear in their spend analysis report automatically and should reflect properly from the purchases from the database.
3. Given that the GUI for adding recurring charges works correctly, when the user set their recurring charges, the GUI should display the charges automatically in their spend analysis.

User Story #5

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.

#	Description	Estimated Time	Owner
1	Implement query index in backend to gain data by month	0.5 Hrs	Yufei Xu
2	Implement calendar functionality in the client	2 Hrs	Ray
3	Gain data based on month and add the data to the calendar	1.5 Hrs	Yufei Xu
4	Test calendar	1 Hr	Junyi

Acceptance Criteria:

1. Given that the functionality to show the purchases on the calendar works correctly, the user should be able to see their report for the specific month on the calendar correctly.
2. Given that the functionality to show the purchases on the calendar works correctly, the user should be able to see their purchases amount for each day on the calendar correctly.
3. Given that the functionality to show the purchases on the calendar works correctly, the user should also be able to see the amount of the money they spend on that month.

User Story #6

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.

#	Description	Estimated Time	Owner
1	Implement getting graph data that will including in the graph	1 Hrs	Junyi
2	Implement mining and summary data	1 Hrs	Ray
3	Use appropriate graph to show the data	3 Hrs	Ray
4	Test the graph functionality	1 Hr	Junyi

Acceptance Criteria:

1. Giving the getting data relates to graph works correctly, the client should get the right data that will including in the graph.
2. Giving the data mining and summary works correctly, the user should be able to see a clear and right data.
3. Giving the graph functionality works correctly, the client should use different graph to show the data properly and the user should be able to gain their spending summary from the graph.

User Story #7

As a user, I would like to know if my money spending habits have improved since I started using the app.

#	Description	Estimated Time	Owner
1	Add the functionality to calculate the differences in amount of money spent throughout certain periods of time	3 Hrs	Shaan
2	Create a new activity that takes total amount spent each month and essentially compares each total to display for the user	2 Hrs	Ray
3	Implement functionality to display on the frontpage whether the user's spending habits have actually improved or not, and perhaps consider sending out a notification at the beginning of each month regarding this information	2 Hrs	Rohith
4	Test functionality of money-spending comparisons across certain periods of time	1 Hr	Junyi

Acceptance Criteria:

1. Given that the ComparisonsActivity works as intended, the user should be able to clearly visualize the differences in money spent each month.
2. Given that the general calculations in this user story are precise, the user should be able to see brief information regarding comparisons on the frontpage.
3. An option should be made available to display monthly updates in notifications to mention if an improvement in spending habits was made or not.

User Story #8

As a user, I would like to share my activities and progress I made on social media.

#	Description	Estimated Time	Owner
1	Add the ability (share buttons) to share recent activities and progress to social media websites	2 Hrs	Junyi
2	Implement functionality to properly embed the information wished to be shared	2 Hrs	Ray
3	Add integration with Facebook, Twitter, Instagram (if applicable and/or possible)	1.5 Hrs	Yufei
4	Test the sharing feature across multiple social media platforms	1 Hr	Shaan

Acceptance Criteria:

1. Given that the share buttons are available and work as intended, the user should be able to share a recent activity or progress update to a particular social network platform.
2. Given that the application is capable of integrating with various social media network platforms, such as Facebook, the user should be able to decide which network/s he or she wishes to share the information to.
3. Given that the shared content is successfully posted to a particular social network, the user's audience/friends should be able to click on it to redirect them to the download page/information page of the application.

User Story #9

As a user, I would like to see a polished graphical user interface and smooth transition and/or loading animations.

#	Description	Estimated Time	Owner
1	Improve GUI elements of each screen and make sure they have reasonable margins and paddings	3 Hrs	Ray
2	Improve GUI elements of each screen and make sure they are user friendly and not counterintuitive	2 Hrs	Junyi
3	Add loading animation to each of the TextView GUI item	2 Hrs	Rohith
4	Integrate more elements of the Android Material Design to the app	2 Hrs	Ray
5	Test GUI functionalities of each screen	1 Hr	Junyi

Acceptance Criteria:

1. Given that the GUI of each screen is adjusted properly, the app should have its GUI polished and have margins and paddings set in a way that follows the Android Material Design Guidelines. The user should also feel like the app is a seamless part of the Android OS (Android OS uses Material Design throughout).
2. Given that the loading animation of the TextView GUI items is implemented correctly, the user should see the loading animation whenever there is a change to any of the TextView items.
3. Given that we have successfully integrated more elements of the Android Material Design to the app, the user should be able to see some typical visual elements of the Android Material Design like a colored Notification/Status Bar.

User Story #10

As a user, I would like to see an integrated app interface.

#	Description	Estimated Time	Owner
1	Remove unnecessary activities/screens/GUI items	1 Hr	Yufei
2	Merge activities/screens with similar functionalities into a new activity/screen (if necessary)	3 Hrs	Ray
3	Improve the interaction between the MainPage and other activities/screens	2 Hrs	Rohith
4	Revamp the logic of the app and make sure the app starts either in the Login screen or the MainPage (if the user is already logged in)	1 Hr	Junyi
5	Test the interaction between the MainPage and other activities/screens	1 Hr	Junyi

Acceptance Criteria:

1. Given that we have successfully merged activities with similar functionalities, the user should be able to see the two original activities in one screen or access one activity within another (either as a pop-up window or menu item).
2. Given that we have successfully improved the interaction between MainPage and other activities/screens, the MainPage activity should be able to identify which activity the user went back from and not update itself every single time.
3. Given that we have successfully revamped the logic of the app, the app should only allow the user to start either in the Login screen or the MainPage (if the user is already logged in). The user should not be able to access other screens without going through one of the two screens first.

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.~~