

Team 26 Product Backlog

AllinWallet - All-in-one Personal Finance App

Team Members

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Problem Statement

People are very likely to spend more money than they expect if they do not effectively manage their budget. This has become a serious issue for many people, especially for those without proper spending habits. The primary objective of this project is to build a personal finance management app. Users of this application can start to manage their budget by building improved spending habits.

Background Information

Audience

The problem is that people can easily go over their budget if they don't know how much money they've already spent and how much money they have left. The target users of our project are the people who fail to properly manage their budget on their own.

Similar Applications

There are a number of similar applications in the App Store and Google Play Store. Some of the financial institutions also provide similar features in their mobile apps.

Limitations

The limitation of the other personal finance apps is that they usually contain more functionalities than a normal user would necessitate. Generally speaking, their user interface (UI) is overly sophisticated, not very user-friendly to new users, and would require some time for these people to get used to. Most of these apps exist for commercial purposes and/or profit only. Some of them contain many ads and some others require a paid subscription for usage. We will address these limitations by building the application with only the functionalities essential/relevant for college students. Our app will have an easy-to-use/navigate UI and a clean, ad-free look.

Functional Requirements

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.

Non-Functional Requirements

1. As a first-time user, I would like to learn a sufficient amount about the app in a relatively short amount of time.
2. As a user, I would like to see a friendly UI.
3. As a user, I would like my personal information to be secure.
4. As a user, I would like to be able to voice my opinions and offer feedback that could potentially improve the app (e.g. make any additions or subtractions that would be beneficial).
5. As a developer, I would like our software to be easily maintainable.
6. As a developer, I would like to protect the privacy of users and developers of this app by adding extra layers of security.
7. As a developer, I would like our software to be used only in its intended context so that it will not cause harm to the people or environment.
8. As a developer, I would like to obtain plentiful feedback from our users in hopes of improving the application.

Performance

The react time for an application is very important since the users tend to leave and even uninstall the app if the program needs much time to respond and spends a lot of time on the loading page. We want our application to respond fast so that the user can utilize it smoothly. It does not have to be our whole program and server that must run very fast, but we should at least make most of the loading tasks run in the background so that the users do not spend too much time waiting on the loading page. Nevertheless, our goal is to try to make our client and server run as fast as possible to improve the user's experience.

Usability

The interface should be very user-friendly for anyone who uses the application, meaning that he or she can easily access the section they want and complete the things they want as fast as

they can. Additionally, we need to understand the users' habits and stick the most utilized section/feature at the front so that they can more quickly access it. Also the application should provide a way that users can adjust the program based on their own habit. Considering that AllinWallet is intended to be a UI-friendly application, we will need to greatly concentrate on how to improve its usability.