

Subscription Management and Tracking App

Team Members:

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Faculty Advisor: Khaled Slhoub - kslhoub@fit.edu

Progress of current Milestone:

Task	Completion	Abdulwahab	Yosef	To do
Convert UI design to code.	%100	%100	%0	none
Link both login functionality and database structure to back-end	%100	%0	%100	none
Implement the ability for users to manually add subscriptions to the app.	%100	%100	%0	none
Integrate a scheduling system for tracking billing dates.	%100	%0	%100	none
Enable users to view subscription billing date and cost.	%100	%0	%100	none
Implement basic search functionality for subscriptions.	%100	%100	%0	none

Discussion:

Note: These tasks are ordered by their order on the matrix;

- **Task1:** We used a figma plugin to convert the UI into front-end code, the difficulty we faced was how complex it was to use this plugin, we had to fix and change a lot to be able to convert it.
- **Task2:** We used Firebase services in order to link login functionality to back-end, and we created a server in back-end to use MongoDB to store the subscription information for each user
- **Task3:** Implemented the ability for users to manually add subscriptions, by clicking on add, a new page pops up and asks for the subscription details, then the app will look up

the subscription name within the stored images to show the logo of the subscription with its details (billing date, cost, logo, name)

- **Task4:** Integrate a scheduling system for tracking billing dates by updating each subscription due date monthly in order for the user to see the new due date and get notifications.
- **Task5:** Implemented the ability to let the users to view subscription billing date and cost in Both Home and wallet pages.
- **Task6:** a basic search functionality has been implemented to make it easier to find subscriptions, for example, when searched for “You” all subscriptions that have “You” in its name will show up, like YouTube.

Discussion:

Abdulwahab: I worked on Tasks 1,3 and 6. I fully converted the UI into front-end code, implemented the ability to manually add subscriptions with a function to show the appropriate logo of the subscription, and a basic search functionality.

Yosef: I worked on tasks 2, 4, and 6 by linking login functionality to the back-end server and I used Firebase services to provide protection and privacy for users. Moreover, I linked a subscription database to the back-end by connecting MongoDB to our project. Also, I implemented a basic scheduling system for the user to keep track of his / her subscriptions and enabling them to view their subscription details.

Plan matrix for Milestone 4:

Task	Abdulwahab	Yosef
Start developing the cost tracking and budgeting features (basic functionality).	%0	%100
Enhance the subscription management by allowing users to categorize subscriptions.	%100	%0
Conduct thorough testing, including security and compatibility testing.	%0	%100
Research if it's possible to implement "Adding subscriptions automatically feature" through either bank account, API, or email.	%100	%0

Discussion:

- **Task1:** This task is crucial to start developing the core features of the app, which are cost tracking and budgeting features.
- **Task2:** This task is important to make it easier for the user to categorize subscriptions based on their preference.
- **Task3:** One of the most important steps, we need to test the app to make sure it's working on different devices and that it is secure.
- **Task4:** This task is crucial because developing a subscription management and tracking app without automatically adding subscription will be useless, it's important to find a way to add subscriptions automatically to be able to track and manage subscriptions and to make it easier for the user to add all subscriptions at once instead of adding them manually one by one.

Dates of meetings with Faculty Advisor:

1. **Nov 26, 2023**

Client Feedback on the current milestone:

see Faculty Advisor Feedback below:

Faculty Advisor feedback on each task for the current Milestone:

- Convert UI design to code: (Satisfied)
- Link both login functionality and database structure to back-end: (Satisfied)
- Implement the ability for users to manually add subscriptions to the app: (Satisfied)
- Integrate a scheduling system for tracking billing dates: (Satisfied)
- Enable users to view subscription billing date and cost: (Satisfied)
- Implement basic search functionality for subscriptions: (Satisfied)

Faculty Advisor Signature: Dr Khaled Slhoub Date: 11/27/2023

Evaluation by Faculty Advisor

- Faculty Advisor: detach and return this page to Dr. Chan (HC 214) or email the scores to pkc@cs.fit.edu
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Abdulwahab	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Yusef	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

- Faculty Advisor Signature: _____ Date: _____