1. Subscription Management and Tracking App

2. Team Members:
Abdulwahab Alnemer - aalnemer2020@my.fit.edu
Yosef Alhedr - yalhedr2020@my.fit.edu

3. Faculty Advisor: Khaled Slhoub - kslhoub@fit.edu

4. Client: Khaled Slhoub, Ph.D.
Department of Computer Engineering and Sciences

5. Meeting Date: 08/31/2023

6. Goal and Motivation:
The overarching goal of our Subscription Management and Tracking App is to enhance the overall well-being and satisfaction of users by simplifying and streamlining the management of their various subscriptions. We understand that today's users are presented with an overwhelming number of subscriptions, ranging from streaming services to utility bills, which often leads to frustration and financial strain. Our motivation stems from the recognition that the current systems for subscription management are often fragmented, lacking in clarity, and prone to oversight. Users frequently forget about active subscriptions, leading to unnecessary expenses and dissatisfaction. Our aim is to alleviate these pains and offer a solution that empowers users to effortlessly manage their subscriptions, achieve greater financial control, and experience a sense of relief and happiness.

7. Key Features:

1. **Comprehensive Subscription Dashboard:** Our app will provide users with a centralized dashboard that presents a comprehensive overview of all their subscriptions in one place. Users can effortlessly visualize their active subscriptions, upcoming billing dates, and the associated costs. By presenting this information clearly and concisely, we eliminate the need for users to manually sift through emails and statements, allowing them to regain a sense of control over their financial commitments. This transparency empowers users to make informed decisions about which subscriptions to keep, modify, or cancel, contributing to a greater sense of happiness through financial clarity.

2. **Smart Subscription Renewal Reminders:** One of the key features that sets our app apart is its intelligent subscription renewal reminder system. Users can set preferences for how they wish to be reminded about upcoming subscription renewals, whether through push notifications, emails, or in-app alerts. This personalized approach ensures that users never miss a renewal deadline, avoiding unexpected charges and reducing the likelihood of frustration due to missed cancellations. By proactively managing renewals, users can optimize their subscriptions according to their evolving needs, leading to a higher level of satisfaction.

3. **Cost Tracking and Budgeting Tools:** Our app goes beyond basic subscription management by offering robust cost tracking and budgeting tools. Users can categorize their subscriptions, monitor historical spending patterns, and set budget thresholds for different subscription categories. The app's analytics provide insights into their subscription-related expenses, empowering users to identify areas where they can save money and allocate resources more efficiently. By promoting financial awareness and control, our app contributes to users' overall sense of happiness and well-being, as they experience a greater mastery over their finances.

In conclusion, our Subscription Management and Tracking App aims to enhance users' happiness by addressing the limitations and frustrations of current subscription management systems. Through a combination of comprehensive visualization, intelligent reminders, and budgeting capabilities, we provide users with the tools they need to regain control over their subscriptions, reduce financial stress, and ultimately lead happier, more organized lives.

8. Novel Feature:
The "Smart Subscription Renewal Reminders" feature is a groundbreaking addition to our Subscription Management and Tracking App. Unlike traditional apps, it offers users the ability to personalize how they receive reminders for upcoming subscription renewals. This customization enhances user engagement, reducing the likelihood of missed renewal deadlines and unexpected charges. By proactively adapting to users' preferred communication channels, this feature is user-centric and contributes to a higher level of satisfaction. Overall, the novel aspect of this feature lies in its proactive and personalized approach, addressing a common pain point and enhancing users' experience by providing them with greater control over their subscription management.

9. Technical Challenges:
The first technical challenge is choosing the right platform to begin with as it entails mastering new programming languages like React js, Swift, flutter, etc.

Secondly, We have to ensure that the app functions seamlessly on various platforms and operating systems like Web, IOS, or Android can be challenging. We may need to account for differences in user interfaces, and each device capability.

Lastly, Designing a database schema that efficiently stores and retrieves subscription data while ensuring data consistency and integrity can be challenging. Optimizing database queries for fast performance is crucial.

10. Milestone 1 (Oct 2): Project Initiation and Planning
- Research and select the technology stack for mobile app (e.g., iOS, Android, cross-platform).
- Develop a basic user interface to visualize the key features.
- Set up version control and collaboration tools for the team.
- Begin documentation, including requirements and design specifications.
- Create a test plan
- "hello world" demo

11. Milestone 2 (Oct 30): User Interface and Basic Functionality

- Finalize the app's user interface design.
- Create a clickable prototype of the app's key screens for user testing and validation.
- Implement user registration and login functionality.
- Develop the central dashboard to display a list of subscriptions (static data).
- Set up a basic database structure to store subscription data.
- Begin working on the notification system for reminders (basic functionality).

12. Milestone 3 (Nov 27): Subscription Management Core Features

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

13. Task matrix for Milestone 1

Task	Abdulwahab	Yosef
Research and select the technology stack for mobile app	%50	%50
Develop a basic user interface to visualize the key features.	%50	%50
Set up version control and collaboration tools for the team.	%50	%50
Begin documentation, including requirements and design specifications.	Requirements	Design
Test Plan	%50	%50
"hello world" demos	%50	%50

14. Approval from Faculty Advisor:

"I have discussed with the team and approved this project plan. I will evaluate the progress and assign a grade for each of the three milestones."

Signature: _____Dr. Khaked Slhoub_____   Date: ___9/4/2023_____