SUBSCRIPTION MANAGEMENT AND TRACKING APP

Team: Abdulwahab Alnemer, Yosef Alhedr

Faculty Advisor: Khaled Slhoub

Goal and Motivation

- Simplify Subscription Management

- Enhance Financial Control

- Promote Happiness and Well-being

Key Features

- Comprehensive Subscription Dashboard:
  - *Centralized overview of all subscriptions.*
  - *Visualization of active subscriptions, billing dates, and costs.*
  - *Eliminates manual sorting, providing clarity and control.*

Key Features

■ Smart Subscription Renewal Reminders:

– *Personalized reminders through preferred channels.*

– *Ensures users never miss renewal deadlines.*

– *Optimizes subscriptions based on evolving needs.*

Key Features

- **Cost Tracking and Budgeting Tools:**
  - *Categorization and monitoring of expenses.*
  - *Insights into spending patterns and budget thresholds.*
  - *Promotes financial awareness and control for a happier, organized life.*

Novel Feature: "Smart Subscription Renewal Reminders"

- Personalized Reminders

- Proactive Approach

- User-Centric Customization

Technical Challenges

■ Platform and Language Selection:

- Choosing the right platform (iOS, Android, cross-platform) requires mastering different programming languages (e.g., React JS, Swift, Flutter).

- Our Approach is to use React JS to develop the app on both IOS & Android

■ Efficient Database Design:

- Designing a database schema that efficiently stores and retrieves subscription data while maintaining data consistency and integrity is a significant challenge.

- Optimizing database queries for fast performance is crucial to ensure a seamless user experience.

Milestone 1 (Oct 2)

- 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.

Milestone 2 (Oct 30)

- 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).

Milestone 3 (Nov 27)

- 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.