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About Me

A passionate Flutter developer with a strong foundation in programming and a focus on building functional, visually appealing mobile applications. Skilled in utilizing Dart and Flutter to deliver high-quality user experiences. Continuously improving skills, solving problems creatively, and exploring new technologies to deliver impactful solutions.

Technical Skills

Programming Languages: Dart

Mobile Development: Flutter, Firebase, Local Database Management

Software Architecture: Clean Architecture, MVVM, MVC, SOLID Principles

Design & Best Practices: Design Patterns, Clean Code, Object-Oriented Programming

Tools and Platforms: Postman, Figma, Adobe XD

Computer Science Fundamentals: Data Structures, Algorithms, Problem Solving

Version Control & Tools: Git, GitHub

Projects

UpTodo App | *Flutter, Firebase, Git, GitHub, Mvvm*

GitHub: UpTodo

- Developed a task management mobile application using Flutter, with Firebase as the backend for real-time data storage and authentication.
- Implemented features for users to add, edit, delete, and categorize tasks with reminders and due dates.
- Used Firebase Authentication for secure user login and account management.
- Designed and implemented intuitive UI/UX to enhance user experience.
- Utilized Git and GitHub for version control, with each feature managed on its own dedicated branch for better collaboration and tracking.
- Added advanced features like task filtering, and customizable categories to optimize task management.

Fruits Hub | *Flutter, Firebase, Payment Integration, Git, GitHub, Clean Architecture*

GitHub: Fruits Hub

- Developed a bilingual (Arabic/English) e-commerce mobile application using Flutter to support a global user base.
- Integrated secure payment gateways to enable seamless and secure online transactions.
- Implemented advanced product filtering, searching, and sorting features to enhance the shopping experience.
- Used Firebase for real-time database management, product inventory updates, and user authentication.
- Added multi-language support, enabling users to switch between Arabic and English with smooth transitions.
- Utilized Git and GitHub for version control with branch-specific development for modularity.
- Designed a responsive and user-friendly UI/UX to improve navigation and optimize the checkout process.

Bookly App | *Flutter, Google Books API, Git, GitHub*

GitHub: Bookly App

- Developed a mobile application to display books and their details by integrating with the Google Books API.
- Implemented features for users to search, browse, and access detailed information about books.
- Designed a visually appealing and user-friendly interface using clean UI/UX principles.
- Added functionality for users to bookmark favorite books for easy access later.
- Optimized API calls to improve performance and reduce loading times.
- Integrated a responsive layout to ensure compatibility across different screen sizes and orientations.
- Utilized Git and GitHub for version control, with organized branches for feature-specific development.

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Object-Oriented Programming (OOP)
- Dart Programming
- Firebase Integration
- Animations in Flutter
- REST API Development
- Maps and Geolocation in Flutter
- Payment Integration in Flutter
- Debugging and Testing in Flutter
- Git and GitHub
- State Management

Future Learning Goals

- Enhance application performance by mastering advanced debugging and profiling techniques in Flutter.
- Learn UI/UX design principles to build visually appealing and user-friendly interfaces that align with team and project goals.
- Improve app responsiveness and loading times by optimizing API calls and implementing caching strategies.
- Develop and publish a custom Flutter package on the official Flutter package repository to contribute to the Flutter community.
- Learn and integrate external tools and APIs to improve collaboration and communication with cross-functional teams within the company.

Languages

Arabic: Native Language

English: Intermediate