

To Do List Application



Problem Statement

PTAC 2100 - DEVELOP A ROBUST AND USER-FRIENDLY TO-DO LIST APPLICATION THAT HELPS INDIVIDUALS EFFECTIVELY MANAGE THEIR TASKS AND INCREASE THEIR PRODUCTIVITY.





Abstract

- The TO DO LIST application developed in Android Studio with Firebase integration aims to provide users with a convenient and efficient way to manage their tasks and organize their daily activities.
- By utilizing the Firebase platform, the application offers real-time data synchronization, secure user authentication, and cloud storage capabilities.

Introduction

In today's fast-paced world, staying organized and managing tasks effectively is crucial. The TO DO LIST application is designed to simplify task management and enhance productivity. By leveraging the power of Android Studio and integrating Firebase, the application enables users to create, track, and prioritize tasks effortlessly. The application also supports features like reminders, deadlines, and notifications to ensure that users never miss an important task.

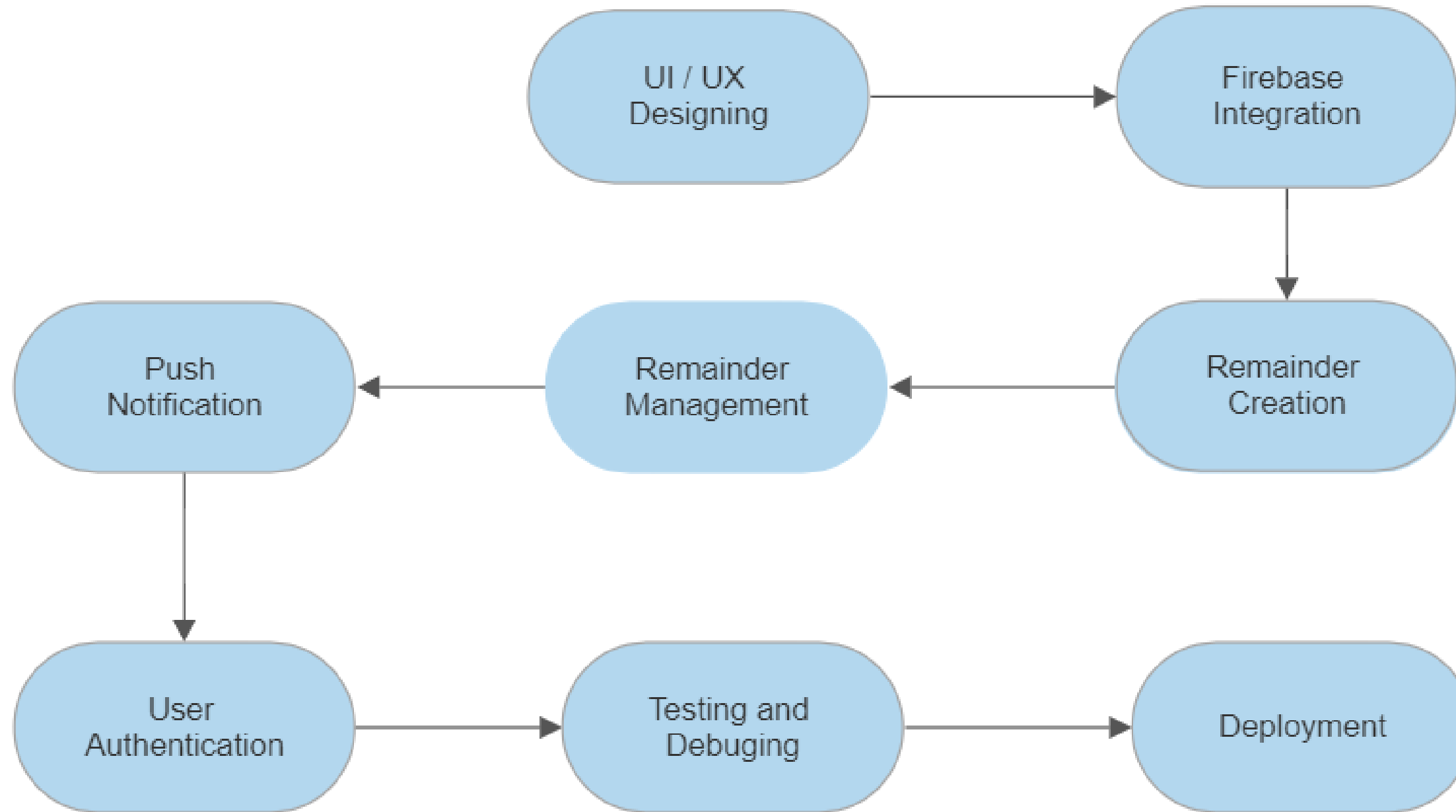




Methodology

- The application is developed using Java programming language and the Android Software Development Kit (SDK).
- Firebase Authentication is implemented to ensure secure user login and registration, while Firebase Realtime Database facilitates real-time synchronization of tasks across multiple devices.

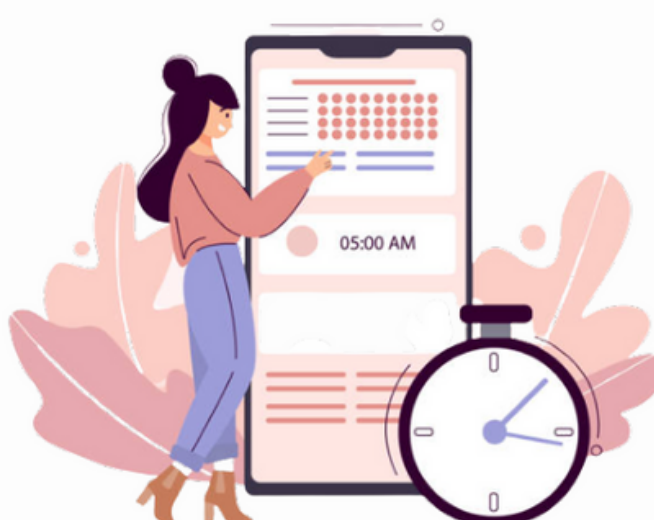
Work Plan



Prototype

9:41

Welcome back!
Let's Help You To Remain !.....



Enter your email

Password

[Forgot Password?](#)

Login

Didn't have an account ? [Sign Up](#)

9:41

Emily
May 22, 2023

Today [+ Add Goal](#)

May	May	May	May	May	May	May
22	23	24	25	26	27	28
Mon	Tue	Wed	Thu	Fri	Sat	Sun

Goals

GOAL 1 [Completed](#)

I want to complete the soon

🕒 10:15 AM to 10:45 AM ❌ 🗑️

Level 1

GOAL 2 [Incompleted](#)

Little Difficult to complete the goal

🕒 11:45 AM to 02:45 PM ✅ 🗑️

Level 2

GOAL 3 [Incompleted](#)

The most difficult task to Complete.

🕒 11:45 AM to 02:45 PM ✅ 🗑️

Level 3

[Add Goal](#) [Manage Goals](#)

9:41

ADD TASK ❌

Title

Enter task title

Description

Enter task description

Date

click to select date range

Time


click to select time range

🟢 🟡 🔴

[Add](#) [Cancel](#)

9:41

ADD TASK ❌



Title

Enter task title

Description

Enter task description

Time

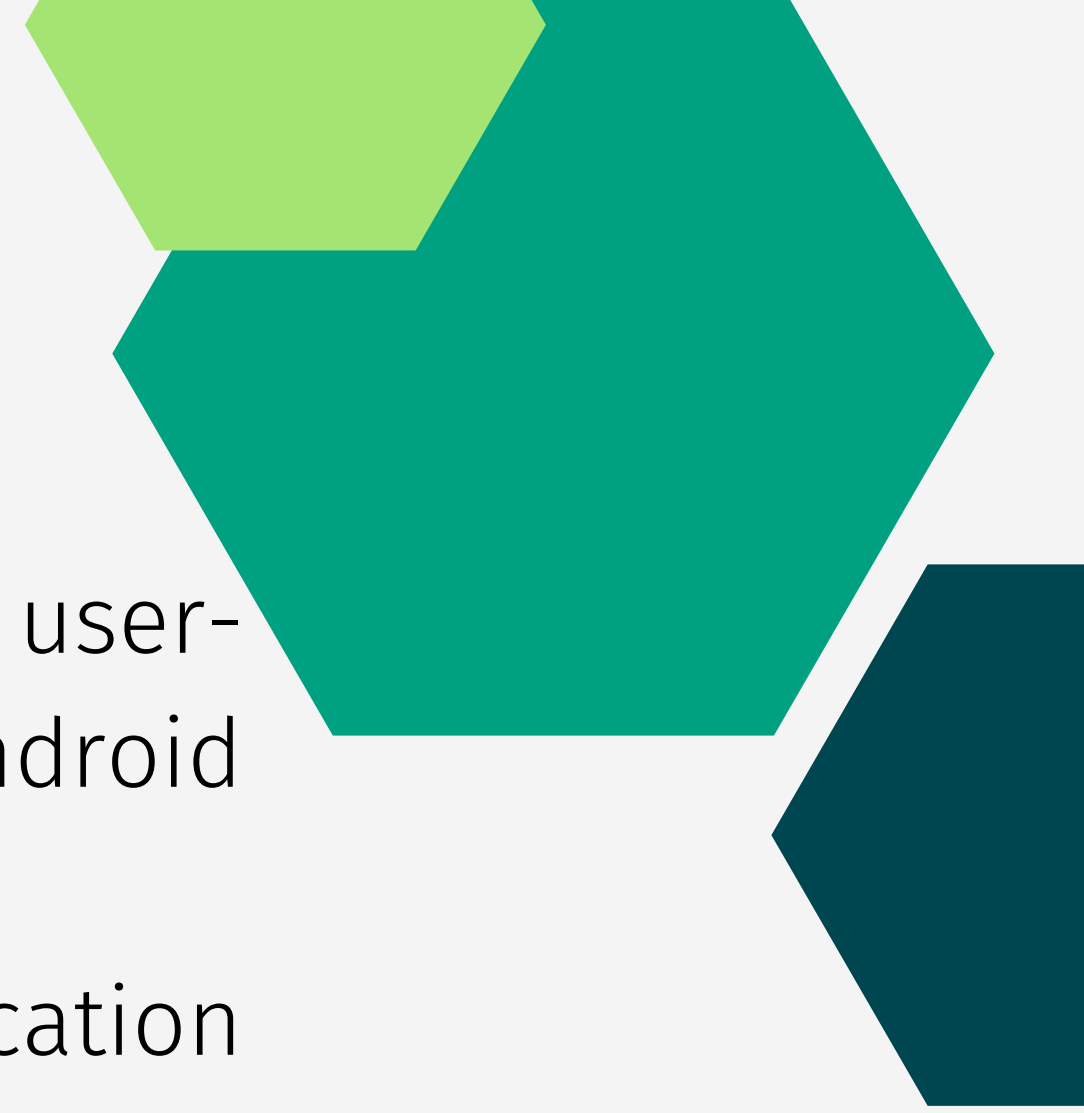
click to select time range

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[Add](#) [Cancel](#)

Outcome

- The TO DO LIST application offers an efficient and user-friendly solution for task management on the Android platform.
- By leveraging Firebase's capabilities, the application provides real-time data synchronization and secure authentication, enhancing user experience and productivity.
- The project has achieved its goal of developing a robust and scalable task management application that meets the needs of modern users.



Cost Analysis

- 1.The project required investment in human resources, including the time and effort of developers, designers, and testers.
- 2.The cost analysis encompasses these factors, ensuring that the project remains within budget constraints.

