Vivekanand Education Society's Institute Of Technology
Department Of Information Technology

ToDo App

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Introduction

In today's fast-paced world, staying organized is essential for personal and professional success.With numerous tasks and commitments to juggle, individuals often find themselves overwhelmed by the sheer volume of things to remember and accomplish. Fortunately, technology provides us with tools to manage our tasks efficiently. One such tool is a To-Do app, a digital task manager designed to help users organize their activities, prioritize tasks, and stay on track with their goals.

Problem Definition

Despite the abundance of To-Do apps in the market, there remains a need for a customizable, platform-independent solution that caters to the specific preferences and requirements of users. Many existing apps may not offer the flexibility or personalization desired by individuals, leading to dissatisfaction and inefficiency in task management. Additionally, for beginners in mobile app development, there is a lack of resources that provide hands-on experience in building real-world applications.

Aims and Objectives

The scope of the project involves designing and implementing a feature-rich To-Do app using Flutter that addresses the shortcomings of existing solutions while providing a seamless user experience. Key features to be included in the app may encompass:

- Creating Categories: Organize our tasks by creating categories that make sense to us.

- Creating Tasks in Categories: Add tasks within categories for a structured approach.

- Sorting of Tasks: Easily categorize your tasks as completed or unfulfilled.

- Category Archiving: Keep your workspace clean by archiving categories.

- View Statistics: Gain insights into your productivity with task statistics.

- View Tasks by Day: Stay on top of daily tasks and deadlines.

- Editing: Make changes to our tasks with ease.

- Notifications: Receive reminders to never miss an important task.

Requirements of the system (Hardware)

Development Machine:

1. Processor: Intel Core i5 or better (or and Android

1. Screen Resolution: Supports resolutions for compatibility across various devices. various resolutions for compatibility across devices equivalent)

1. RAM: 8 GB minimum, 16 GB recommended

1. Storage: At least 10 GB of free space for the development environment, dependencies, and project files

1. Internet Connection:

User Devices:

1. Mobile Devices:Compatible with modern ios

2. Screen Resolution:Supports various

Requirements of the system (Software)

Development Environment:
- Flutter SDK
- Dart
- Android Studio IDE
- Android emulator
- Git

Firebase

Implementation : Creation of Task

Inorder to add the task the user has to click on the Plus Button in the First Image and after clicking on that user will get the option to create his task .Where the user can add the name,description of the task.
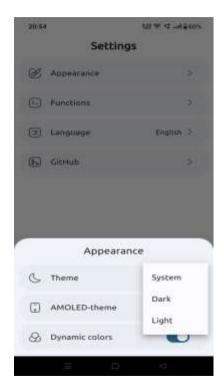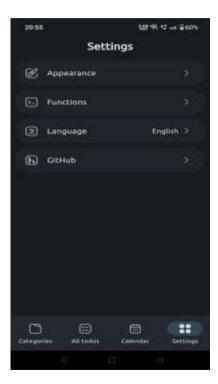
Language Feature

After clicking on "Language" and selecting a language from the dropdown menu, the user can apply the changes.

Change in Appearance

The user can modify the app's appearance by navigating to the settings section and selecting "Appearance." Upon clicking, a drop down menu will appear, allowing the user to change the theme.
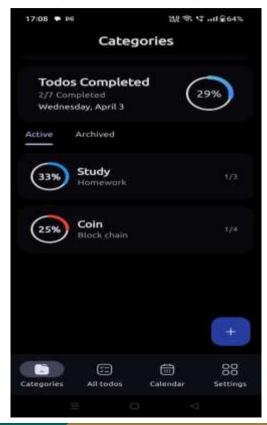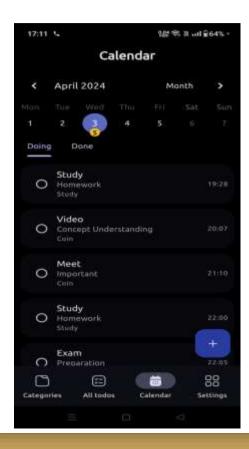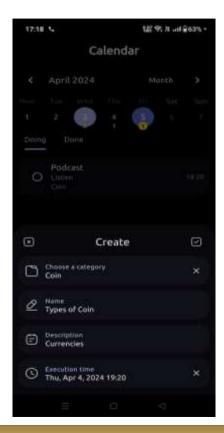
Deletion of Task

Once a specific task has been completed, the user can click on it. Then, they can navigate to the top right corner, near the categories, and select the delete button to remove the task.
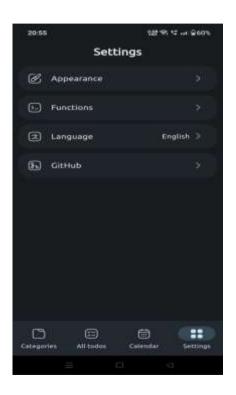
Work completion percentage?
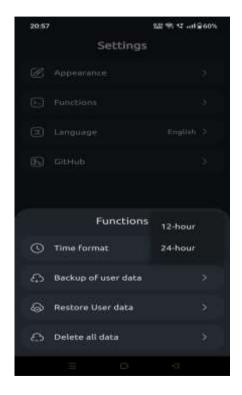
Calendar View and Execution Time

Upon accessing the calendar view, users can easily review tasks sorted by dates and conveniently edit their execution times as needed.

Changing Time Format

Users can customize the time format to suit their preferences, choosing between either 12 or 24-hour formats.
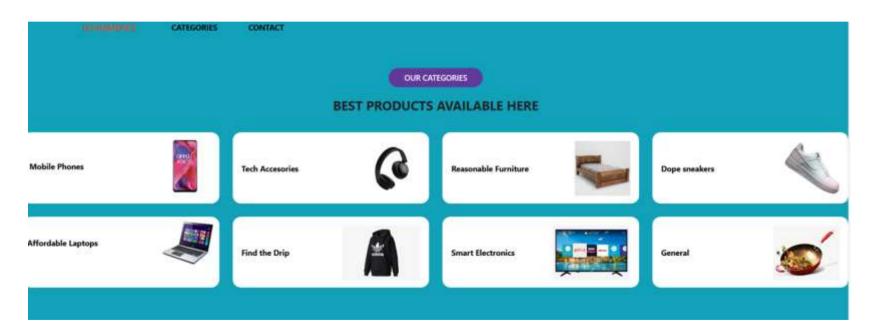
Conclusion

To-Do app is tailored to empower users in managing tasks effortlessly. Through intuitive features like calendar view and task editing, we've prioritized user convenience, aiming to enhance productivity seamlessly. Your feedback and usage are invaluable as we continuously refine and enrich our app to better serve your needs. Thank you for entrusting us with simplifying your task management and helping you achieve your goals effectively.
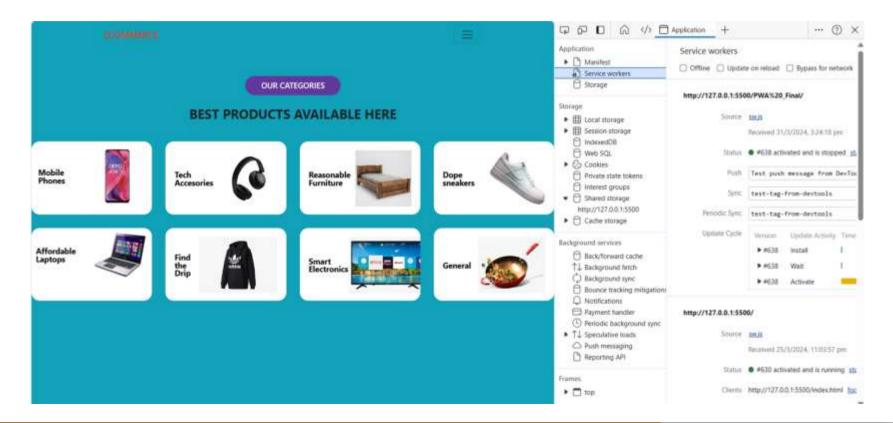
References

- Efficient Task Management: Developing a To-Do List App with Flutter
Authors Name: Dishant Monapara, Manav Thummar

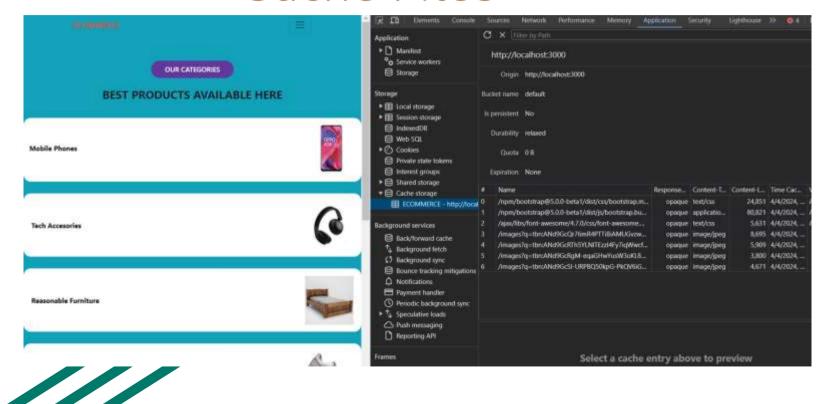- A Survey on Time Management Mobile Applications
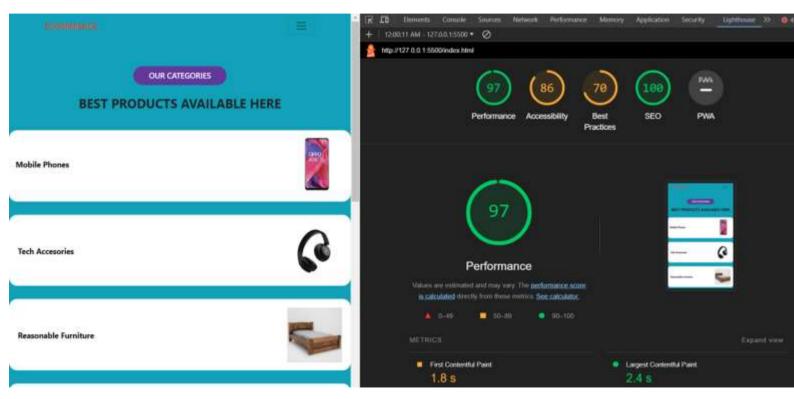Author Name: Yang

Introduction PWA

Service Worker

Cache Files

LightHouse

Thank You