

Flutter Project

P R E S E N T A T I O N

Content

1.Flutter Introduction

2.Problem Statement

3.Project Overview

4.Benefits

5.Objectives

6.Snapshots of Project

7.Features of Project

8.System Requirements.

Flutter

Flutter is an open-source UI software development toolkit created by Google. It is used to build natively compiled applications for mobile, web, and desktop from a single codebase. Here's a short summary of Flutter:

1. **Cross-Platform Development:** Flutter allows developers to write code once and deploy it across multiple platforms such as iOS, Android, web, and desktop.
2. **Fast Development:** Flutter provides a fast development cycle with features like hot reload, allowing developers to see changes in real-time without losing the app state.
3. **Beautiful UIs:** Flutter offers a rich set of customizable widgets and tools for building beautiful and responsive user interfaces.
4. **High Performance:** Flutter apps are compiled to native code, resulting in high performance and smooth animations.
5. **Open Source:** Flutter is open-source, allowing developers to contribute to the framework and access a large community for support and resources.

Overall, Flutter simplifies the app development process by providing a comprehensive toolkit for building high-quality applications across various platforms.

Problem Statement

In today's fast-paced world, individuals often find themselves overwhelmed with numerous tasks and responsibilities across various aspects of their lives. Whether it's managing work assignments, household chores, personal goals, or social commitments, keeping track of everything can be challenging and stressful. As a result, people struggle to prioritize tasks, meet deadlines, and maintain a healthy work-life balance.

Task Management App

Our task management app offers a streamlined solution for organizing, prioritizing, and tracking tasks efficiently. With intuitive user interfaces, customizable features, and seamless collaboration capabilities, our app empowers users to increase productivity and stay organized across various projects and responsibilities.

Benefits



1

Organization

Users can easily categorize tasks, set deadlines, and assign priorities, ensuring clarity and structure in their workflow.



2

Efficiency

With streamlined task creation and tracking features, users can optimize their time and focus on completing tasks effectively



3

Progress Tracking

Users can monitor task progress, track deadlines, and receive notifications, facilitating proactive management and timely completion of tasks.

Objectives

Enable users to create tasks within each category. Tasks should have properties such as title, description, due date, priority, and status (e.g., pending, completed, overdue).

Implement functionality to sort tasks within each category based on various criteria such as due date, priority, or status. Additionally, allow users to filter tasks based on different parameters to quickly find what they're looking for.

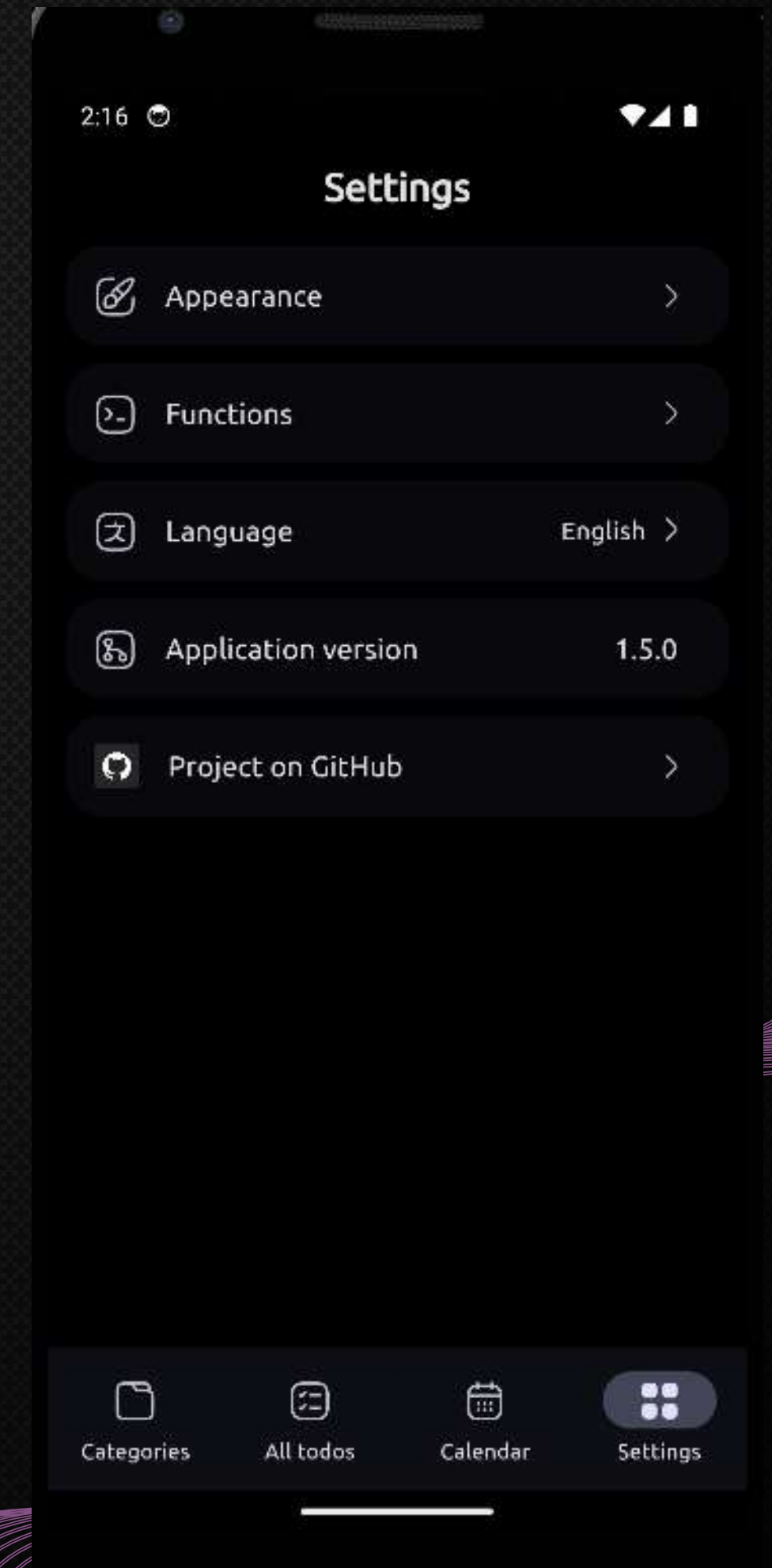
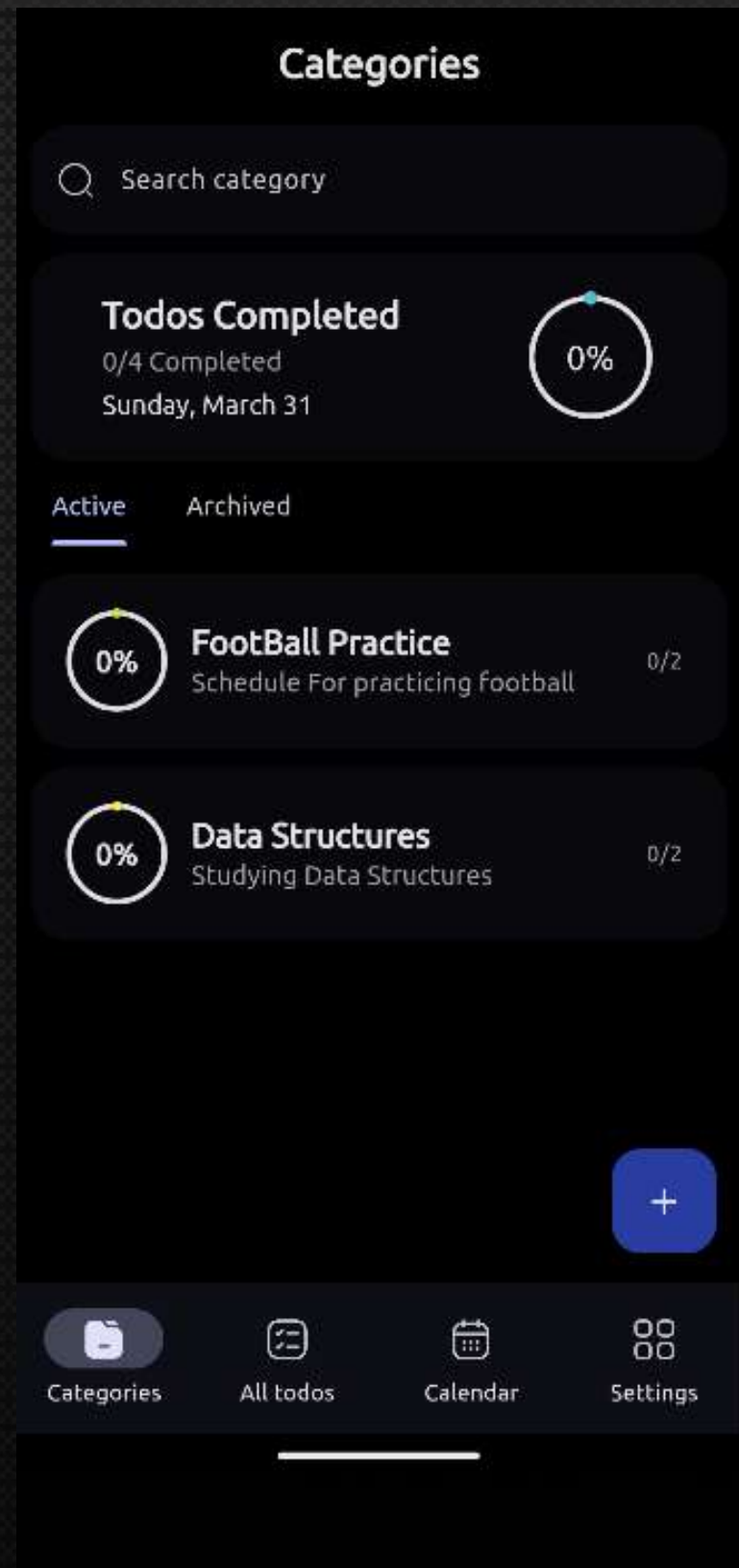
Implement features to track the progress of tasks, such as marking tasks as completed or partially completed. Provide visual feedback to users on their progress within each category.

Allow users to create, edit, and delete categories for organizing their tasks. Each category can have a unique name, color, and icon for better visualization and organization.

Provide users with the ability to set reminders for important tasks and receive notifications when tasks are due or overdue.

Optimize the app's performance to ensure smooth navigation, fast response times, and efficient use of system resources, even when dealing with large amounts of data.

ScreenShots of the App



Features

Feature 1

Our app allows user to create multiple tasks rfor different days along with setting their execution time and not limited to taks for 1 day.

Feature 2

People get notification of the task once the deadline is reached or the task needs to be completed.

Feature 3

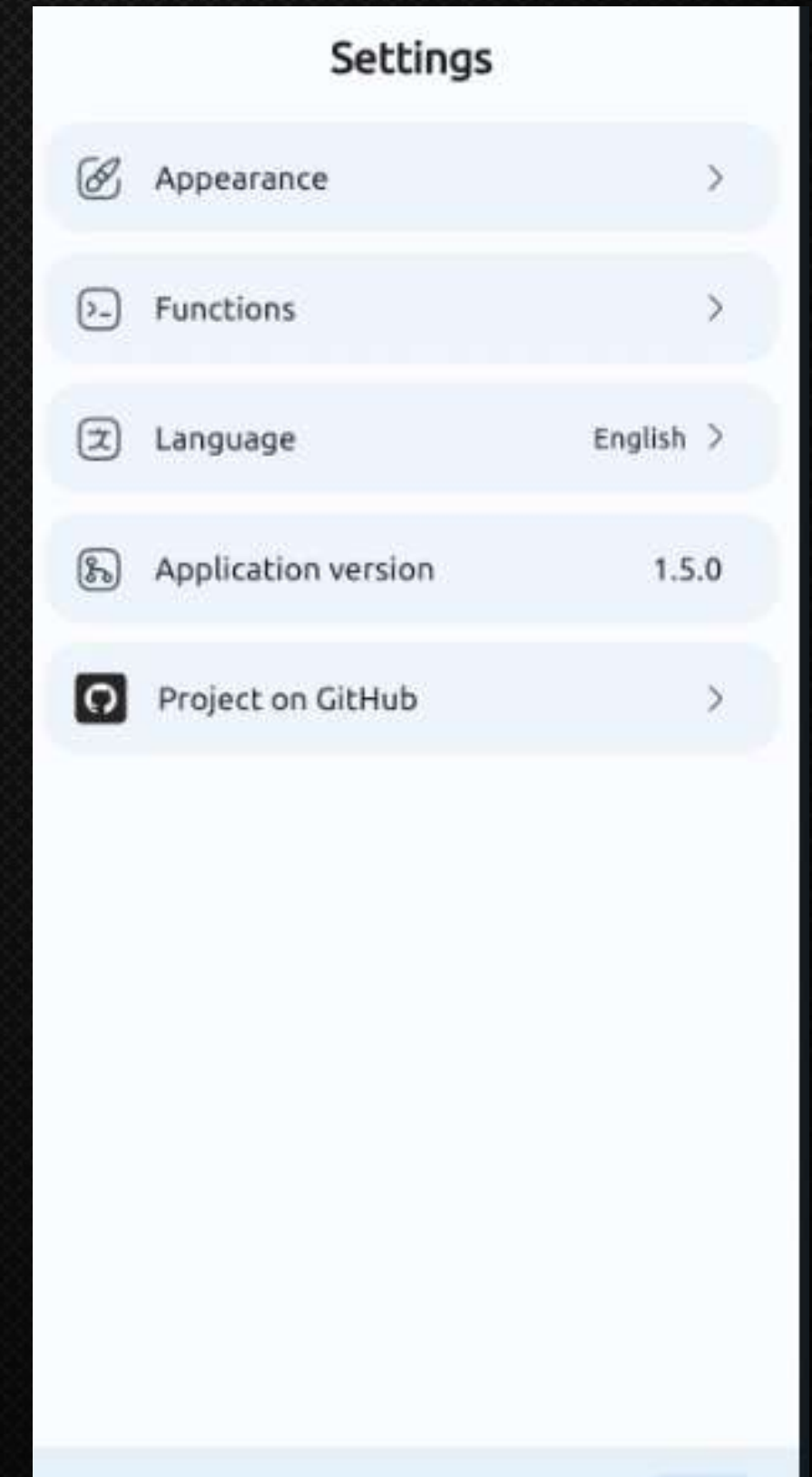
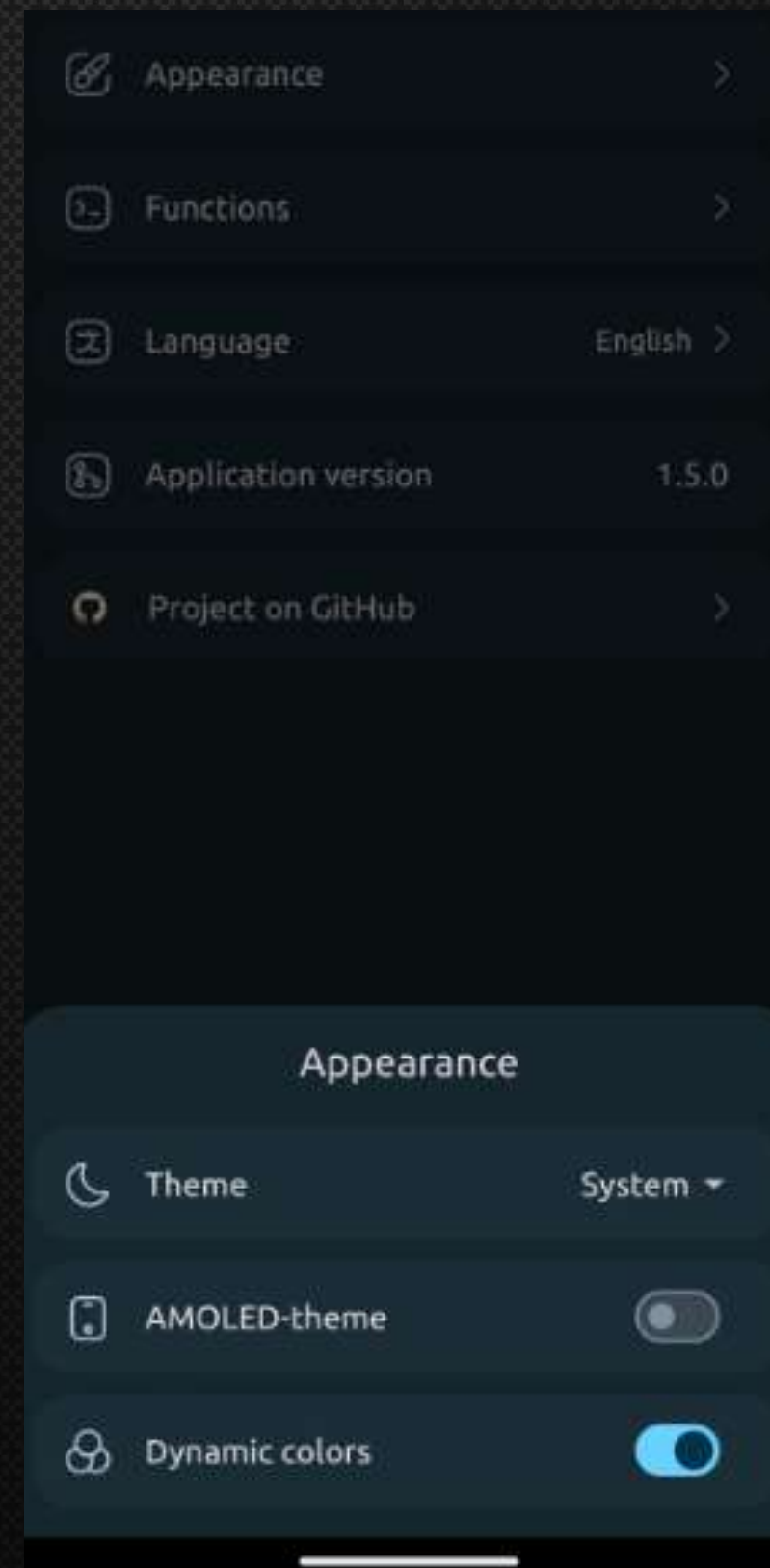
People can toggle between light mode and dark mode based on their requirements.

Feature 4

Multilingual support , allows the user to use the app in his or her own language.

Dark and Light Theme

Based Upon the need of the user, he/she can toggle between the dark and light mode for suitable utilization of the app and also to reduce the strain on the eye caused by the mobile screen.

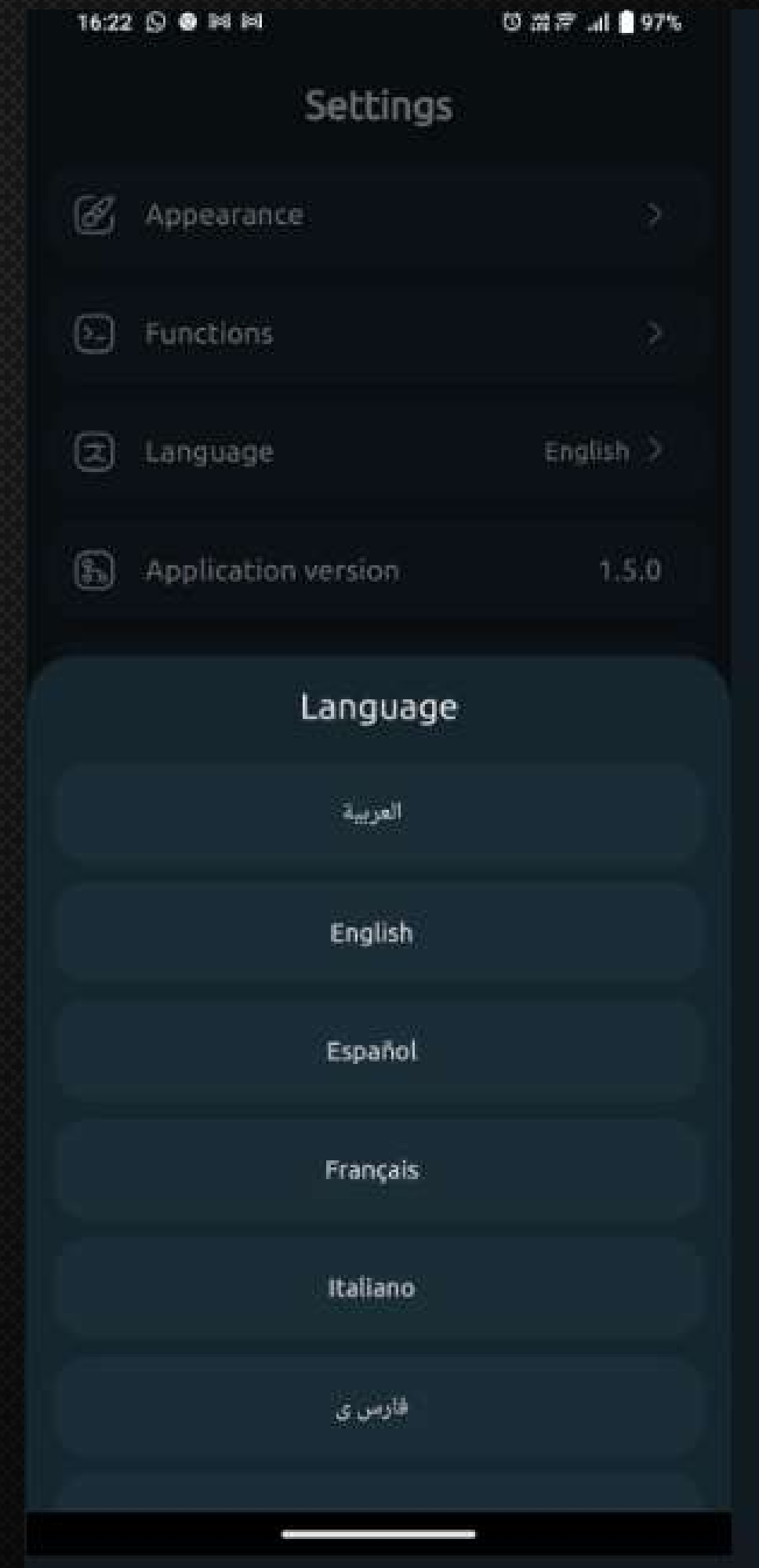


Language Change

This app has also the feature of multilingual support.

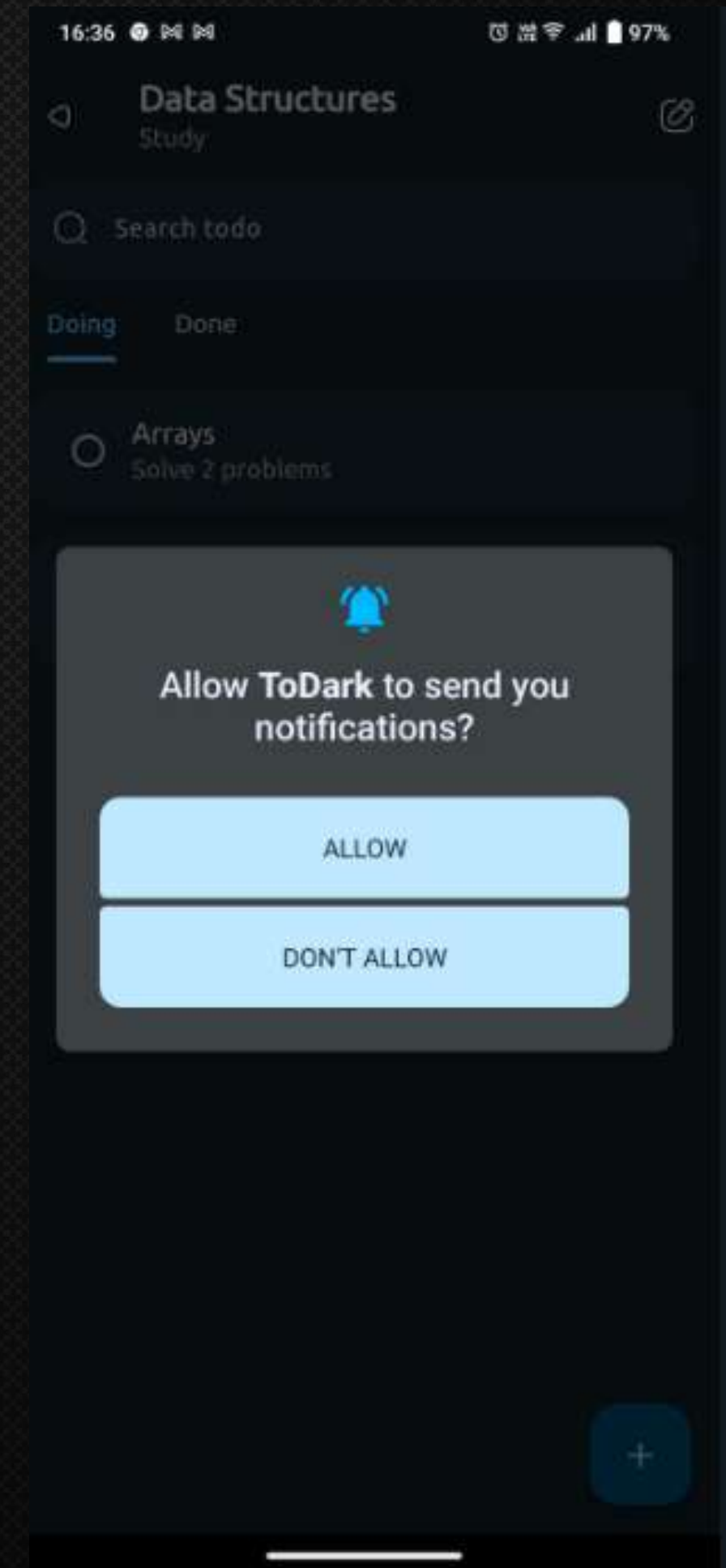
Thus with the help of this , it allows the users to use the app based upon the language of his/her choice.

So user need not worry about the language problem that will be caused for efficient utilization of the app.



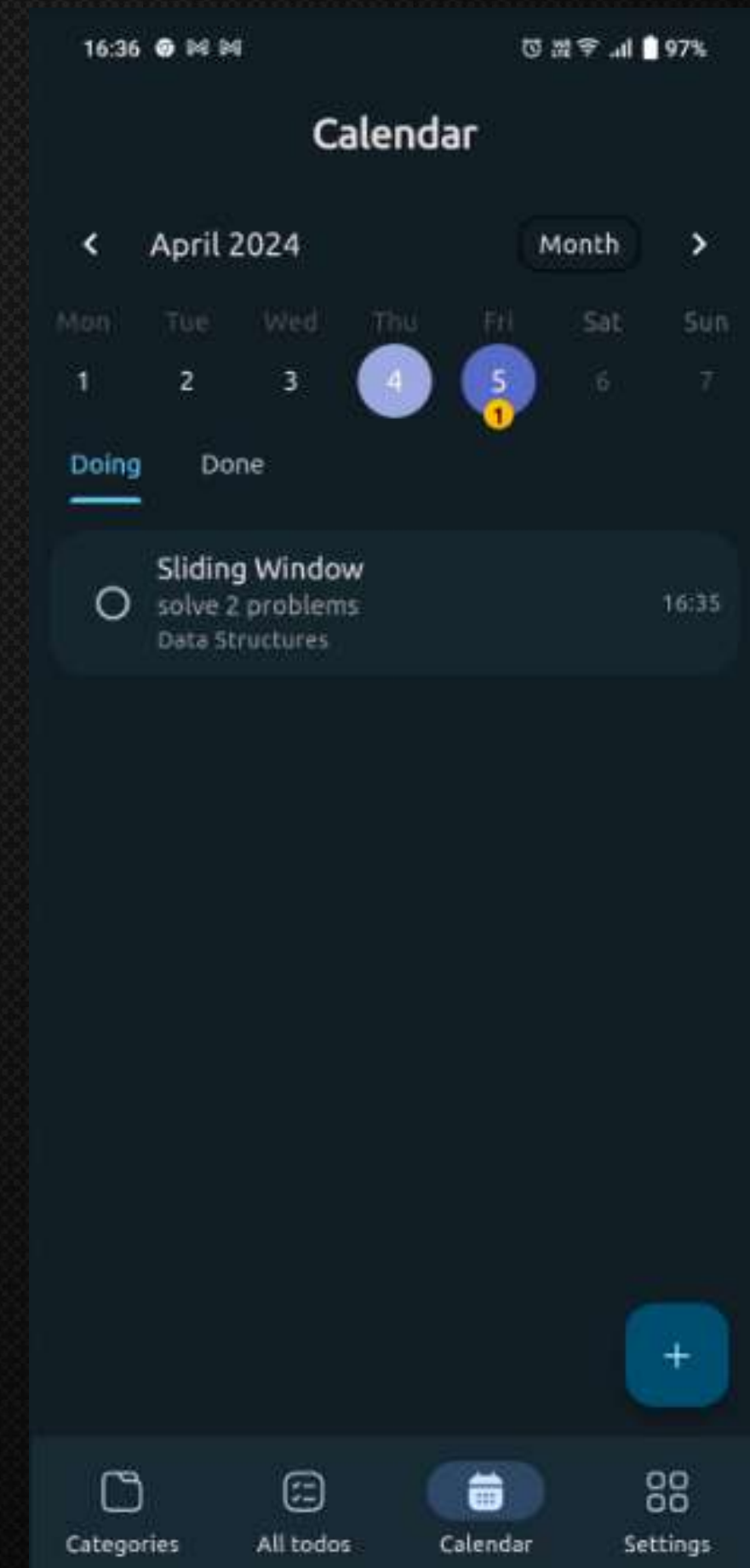
Notification

This app also has the functionality of sending notifications of the task that are needed to be completed. That means once you assign a task a start time, when the particular time reaches in real life, a notification is sent to the user regarding this, like you need to start the particular task.



Calendar

This app also provides a complete look of all the tasks. That means , every time a user creates a task and enters it, according to the time of execution provided by the user, the task is added into the calendar page also so thus providing a overall view of the tasks , like at what time which date a task is needed to be done.



Requirements Hardware

Development Machine

Processor: Intel Core i5 or better (or equivalent)

RAM: 8 GB minimum, 16 GB recommended

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

Internet Connection

User Devices

Mobile Devices: Compatible with modern iOS and Android devices

Screen Resolution: Supports various resolutions for compatibility across devices.

Requirements Software

Development Machine

Flutter Sdk

Dart Sdk

**Andrioid Studio development
environment**

Android Emulator

Git

Conclusion

The task management application offers a comprehensive solution to the common challenges individuals face in organizing and prioritizing their tasks effectively. By providing users with a centralized platform to manage their tasks across various aspects of their lives, the application aims to streamline workflow, enhance productivity, and promote a healthier work-life balance.

Thank You

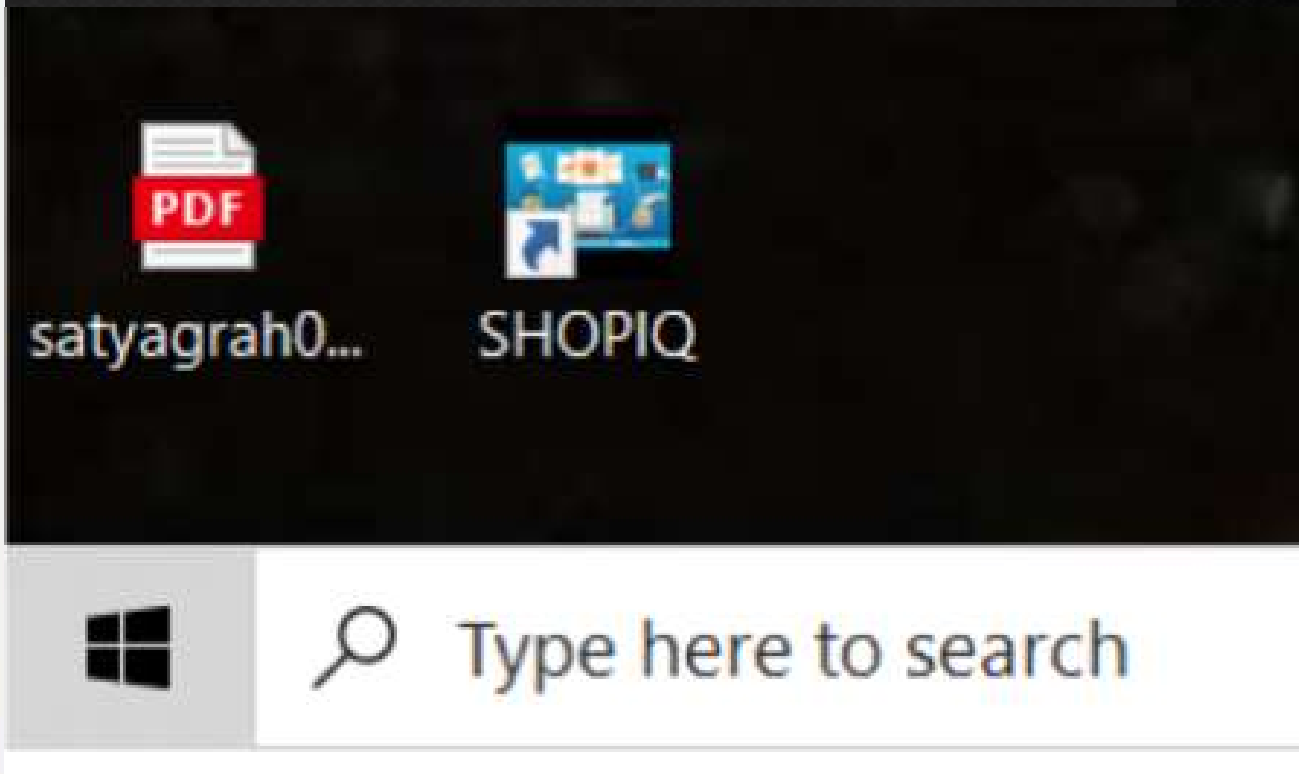
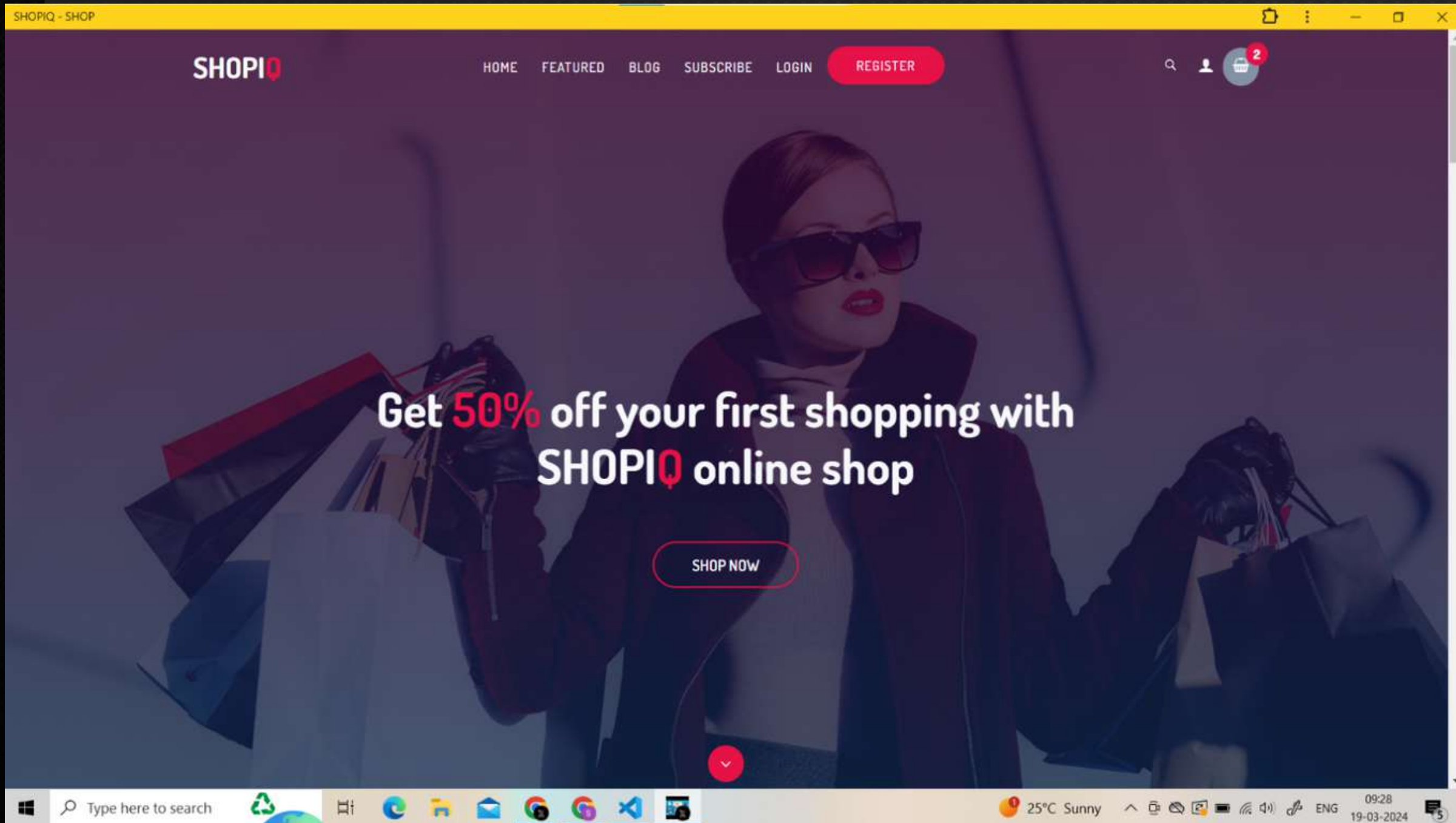
Progressive Web App

P R E S E N T A T I O N

Problem Statement

THE CURRENT WEBSITE LACKS OFFLINE FUNCTIONALITY AND STRUGGLES WITH SLOW LOADING TIMES, HINDERING USER EXPERIENCE AND ENGAGEMENT. TO ADDRESS THESE ISSUES AND ENHANCE ACCESSIBILITY, THERE IS A NEED TO DEVELOP A PROGRESSIVE WEB APP (PWA) THAT OFFERS SEAMLESS OFFLINE ACCESS, FAST LOADING SPEEDS, AND ENGAGING FEATURES ACROSS VARIOUS DEVICES.

Implementation



Service Worker

You can dominate Network Traffic

You can manage all network traffic of the page and do any manipulations.

For

example, when the page requests a CSS file, you can send plain text as a response or

when the page requests an HTML file, you can send a png file as a response.

You can

also send a true response too.

You can Cache

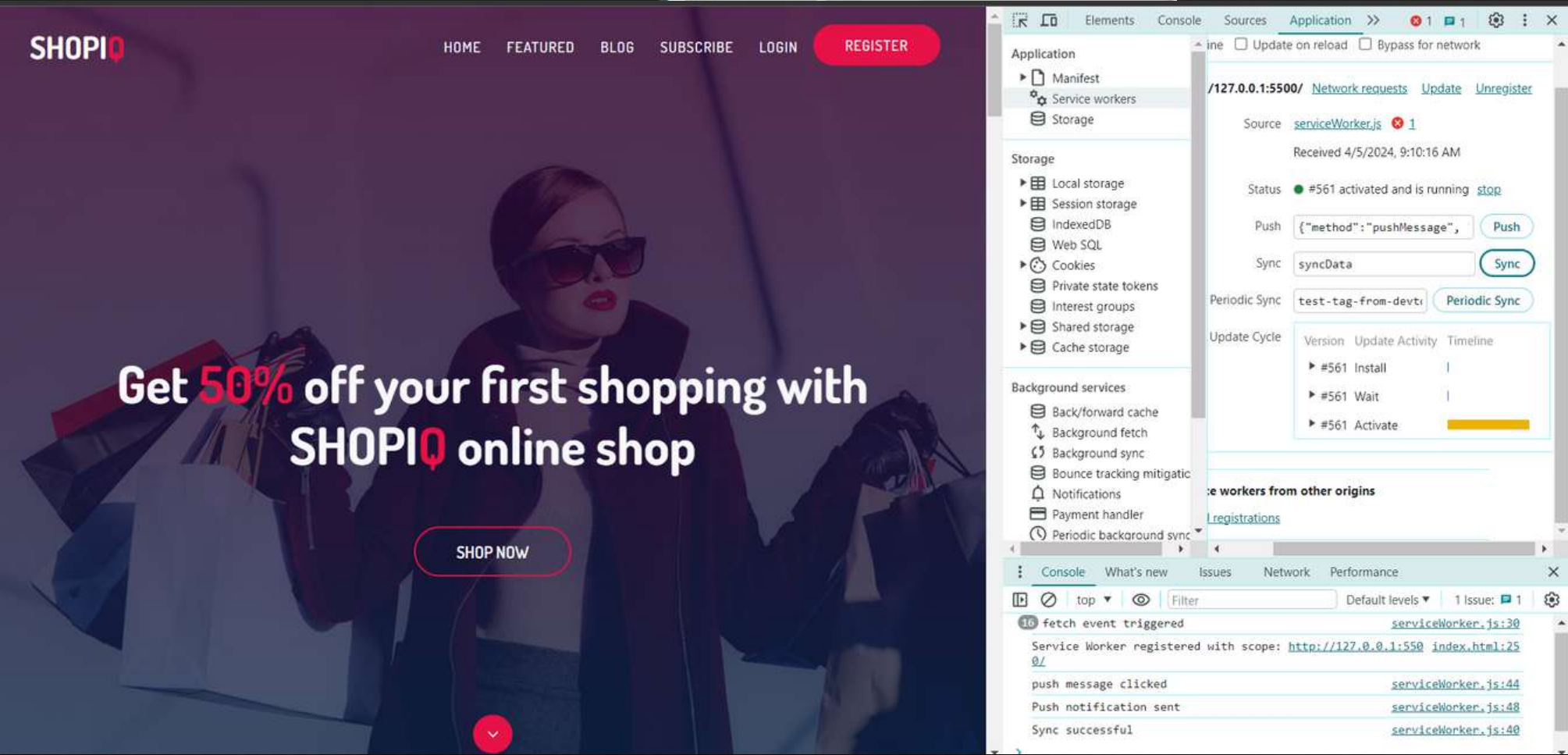
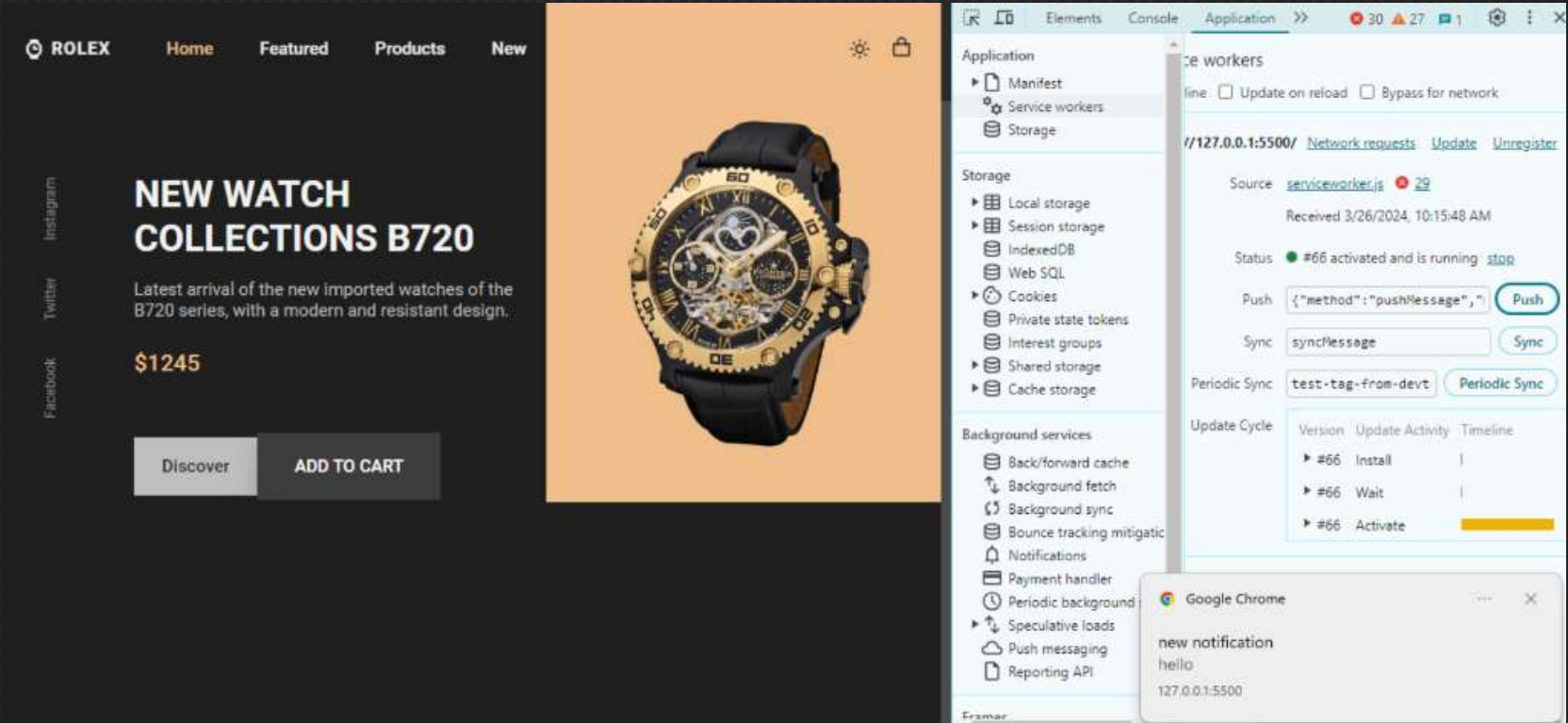
You can cache any request/response pair with Service Worker and Cache API and you

can access these offline content anytime.

You can manage Push Notifications

You can manage push notifications with Service Worker and show any information message to the user.

Service Worker Implementation



• [Home](#)

• [Featured](#)

• [Products](#)

• [New](#)

×

☾

🛒

🧺

×

My Cart

Jazzmaster

\$1050

− 1 +

🗑

Rose Gold

\$850

− 1 +

🗑

Longines Rose

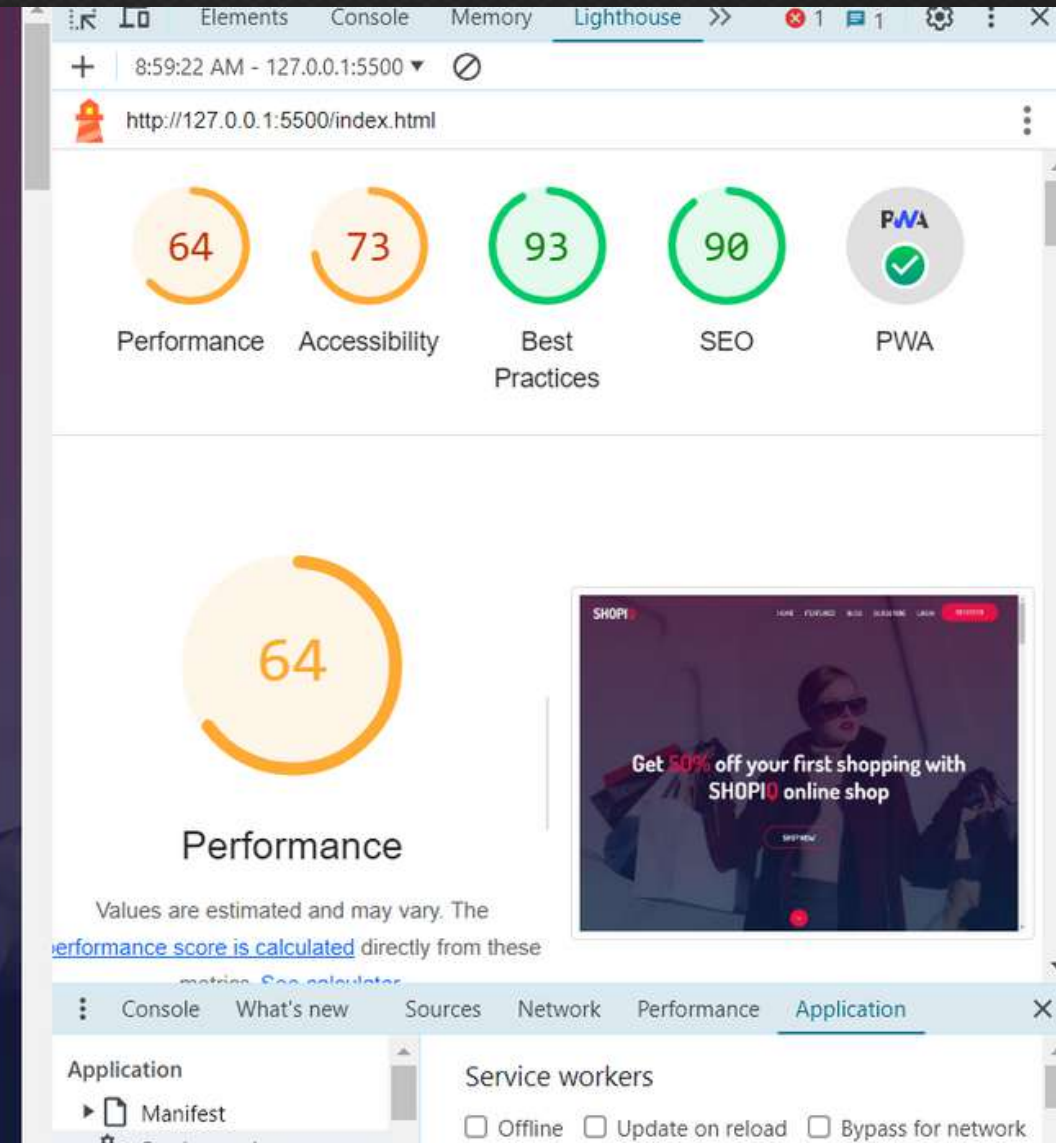
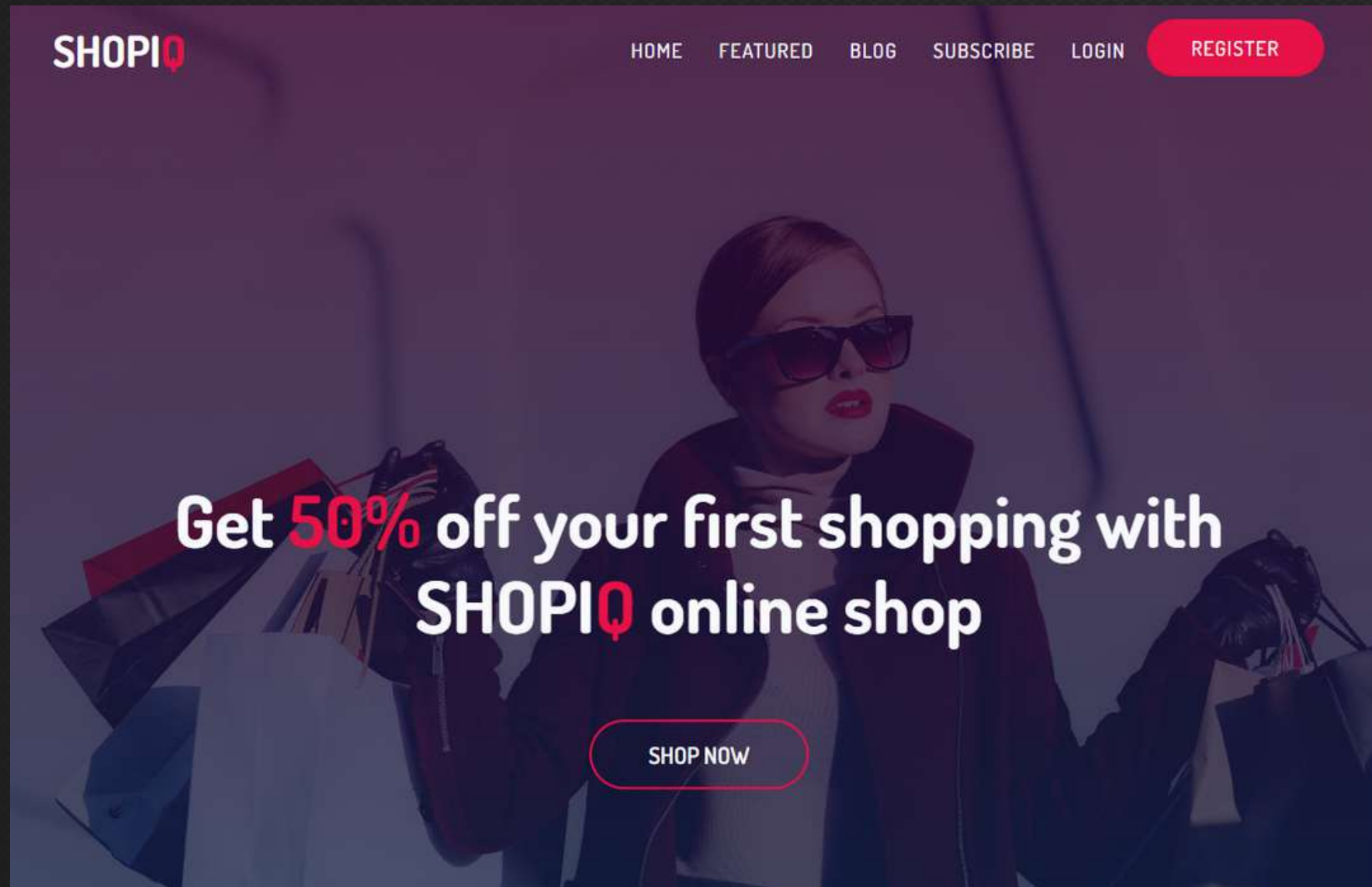
\$980

− 1 +

🗑

3 items \$2880

LightHouse



Conclusion

PROGRESSIVE WEB APPS (PWAS) OFFER A SEAMLESS USER EXPERIENCE ACROSS DEVICES, COMBINING THE BEST OF WEB AND NATIVE APPLICATIONS. WITH THEIR OFFLINE CAPABILITIES, FAST LOADING TIMES, AND ENGAGEMENT FEATURES, PWAS REPRESENT THE FUTURE OF MOBILE AND WEB DEVELOPMENT, PROMISING ENHANCED ACCESSIBILITY AND USER SATISFACTION.

Thank You