



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

Flutter Presentation

Title: Blogger App

Mentor : Dr. Ravita Mishra

Presented by : **Shantanu Saraf**

Overview



- 01 **Abstract**
- 02 **Introduction**
- 03 **Objectives**
- 04 **Software Requirements**
- 05 **Implementation**
- 06 **Future Scope**
- 07 **Conclusion**
- 08 **Reference**

Abstract

In today's fast-paced world, blogging has become a powerful medium for individuals to express ideas, share experiences, and connect with a global audience. This project focuses on the creation of a versatile blogger application using Flutter and Firebase, enabling users to effortlessly create, publish, and manage their blogs.

The app aims to provide a seamless writing experience with features like rich text editing, multimedia integration, and real-time collaboration. By offering a platform that prioritizes user-friendly interface and robust functionality, this blogger app seeks to empower users to unleash their creativity and engage with a vibrant community of bloggers.





Introduction



In today's digital landscape, blogging has evolved into a powerful medium for individuals to express their ideas, share stories, and connect with like-minded individuals. This project unveils a cutting-edge blogger application built on the Flutter framework, offering a seamless and intuitive platform for users to create, edit, and publish their content. With features such as real-time collaboration, multimedia integration, and customizable themes, our app aims to revolutionize the blogging experience, empowering users to unleash their creativity and engage with a global audience like never before.





Objectives

1

Seamless Content Creation

Enable users to easily create and edit blog posts with a user-friendly interface and rich text editing capabilities.

2

Community Engagement

Facilitate interaction between bloggers and readers through comments, likes, and sharing features to foster a vibrant blogging community.

3

Advertisement Integration

Provide tools for bloggers to easily integrate advertisements into their blogs, including display ads, sponsored content, and affiliate links, to monetize their blogs effectively.





Objectives



4

Analytics and Insights

Provide in-depth analytics and insights into blog performance, audience demographics, and engagement metrics to help bloggers refine their content strategy.

5

Mobile Accessibility

Ensure the app is fully optimized for mobile devices, allowing users to manage their blogs on the go

6

Sponsorship Opportunities

Facilitate partnerships between bloggers and brands for sponsored content and promotional campaigns, creating additional revenue streams for bloggers.



SOFTWARE REQUIREMENTS

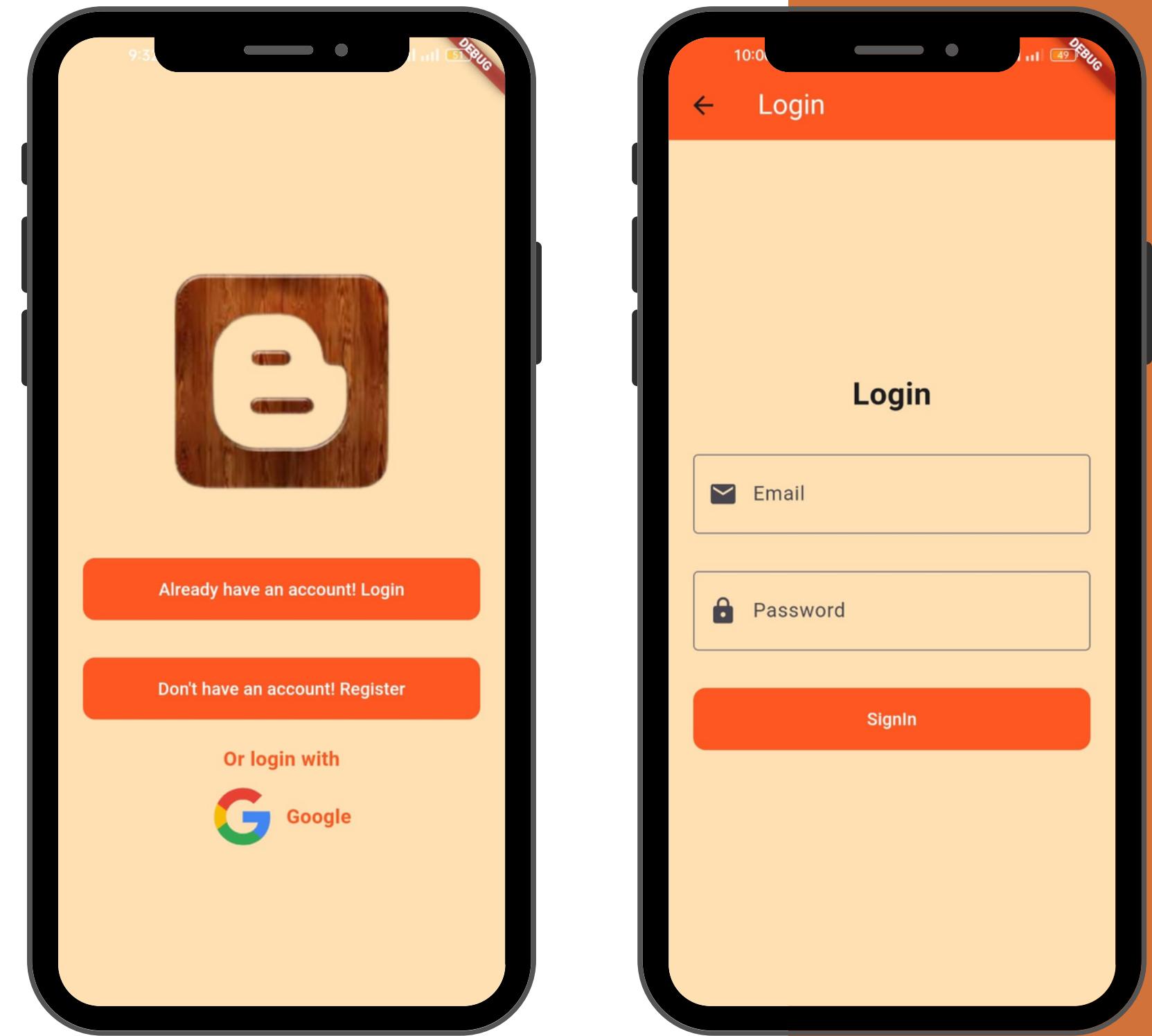


- Flutter SDK
 - Visual Studio Code
 - Firebase
 - Dart Programming Language
 - Flutter Packages and plugins
 - Git
-

Implementation

Login and Register Page

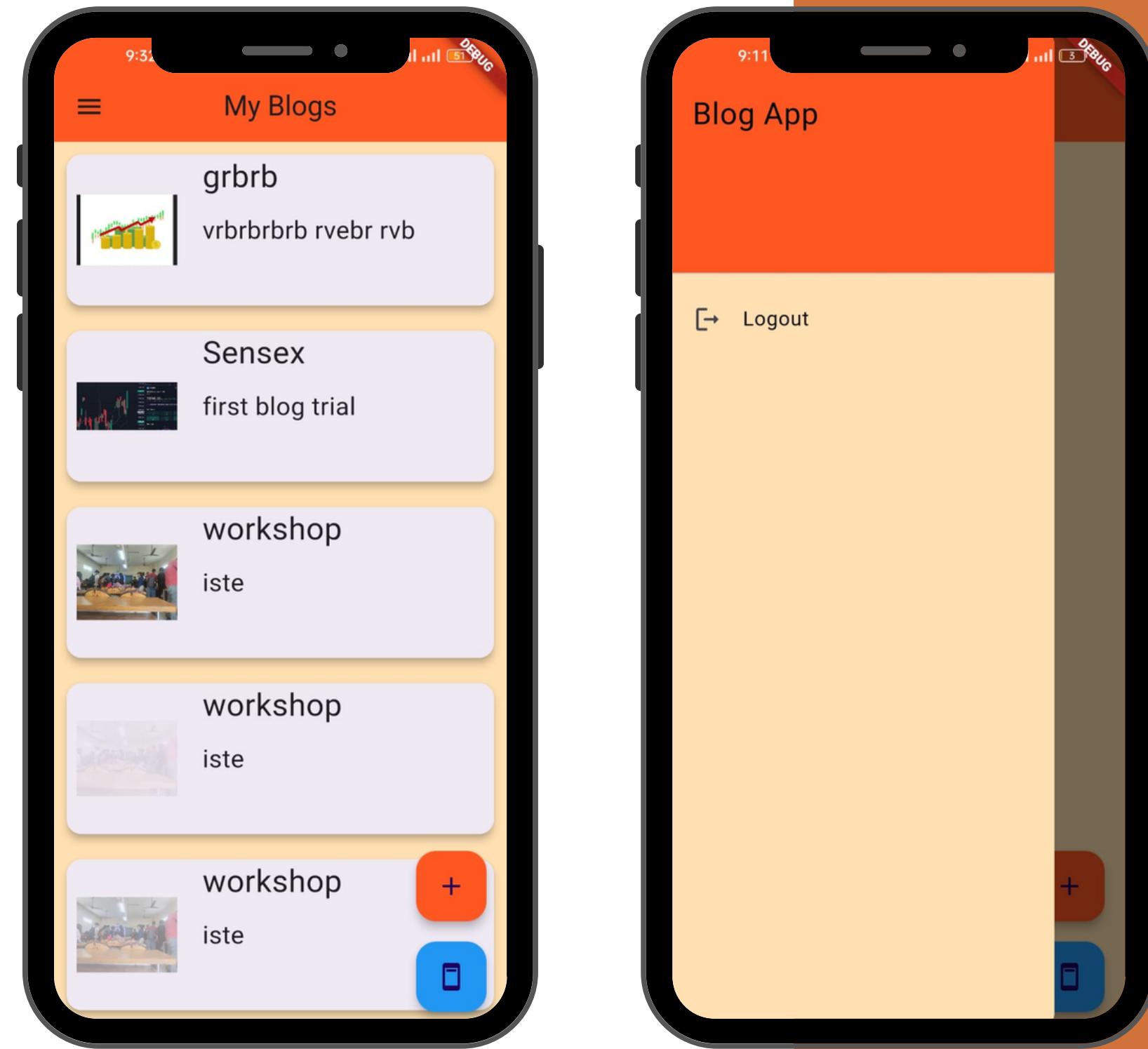
- Clean Interface: Designed for easy navigation and user-friendly experience.
- Login Form: Existing users can enter their username and password to access their account.
- Registration Form: New users can fill in their details, such as username, email, and password, to create an account.
- Social Login: Option to log in using existing Google account for quick access.
- Validation Checks: Ensure entered information is accurate and meets app's requirements.
- Google Integration: Enable users to log in/register using their Google account for seamless authentication.



Implementation

Home Page

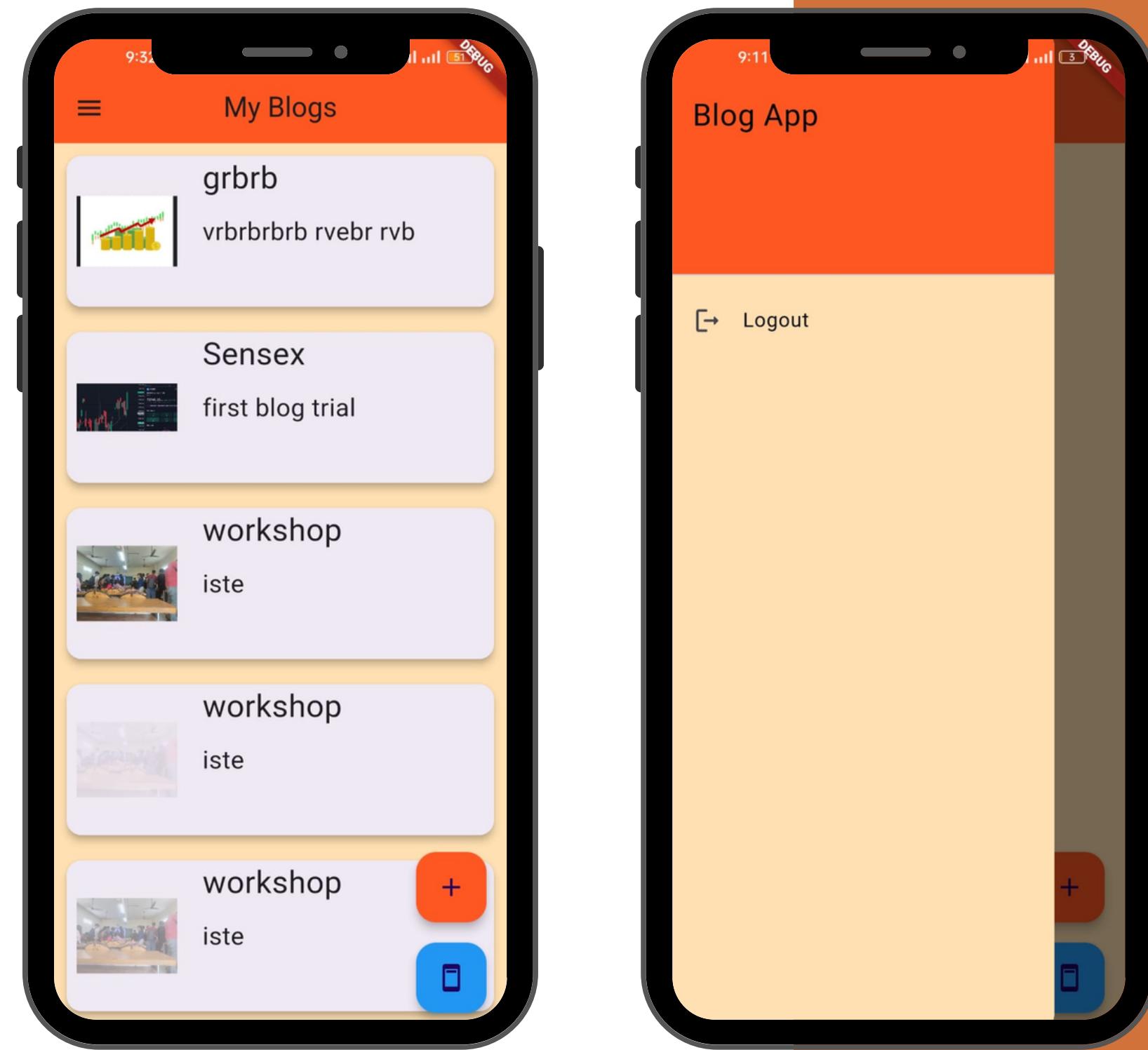
- All Blogs Display: Shows a feed of all blogs from various users for easy browsing.
- Upload Blog Button: Allows users to create and publish new blogs directly from the home page.
- Advertising Button: Provides access to advertising options for bloggers to monetize their content.
- Navigation Bar: Includes a logout button for users to securely sign out of their account.



Implementation

Home Page

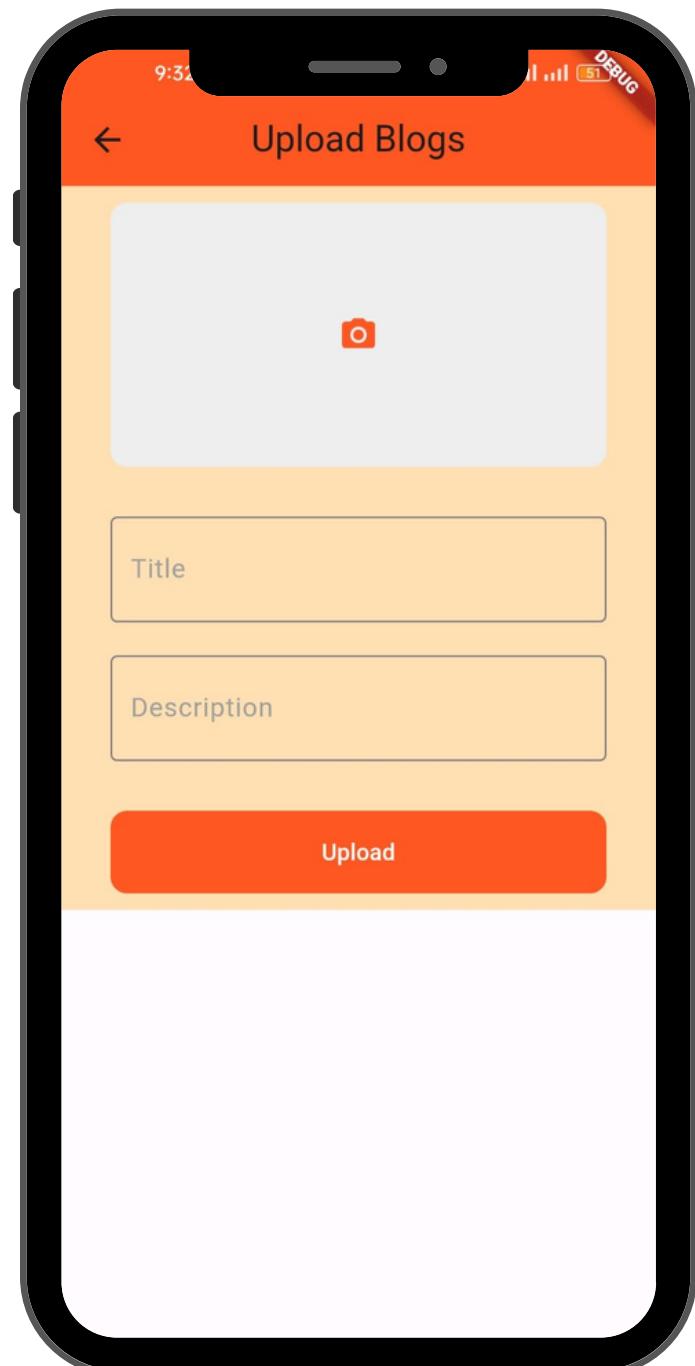
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Implementation

Upload Blog Page

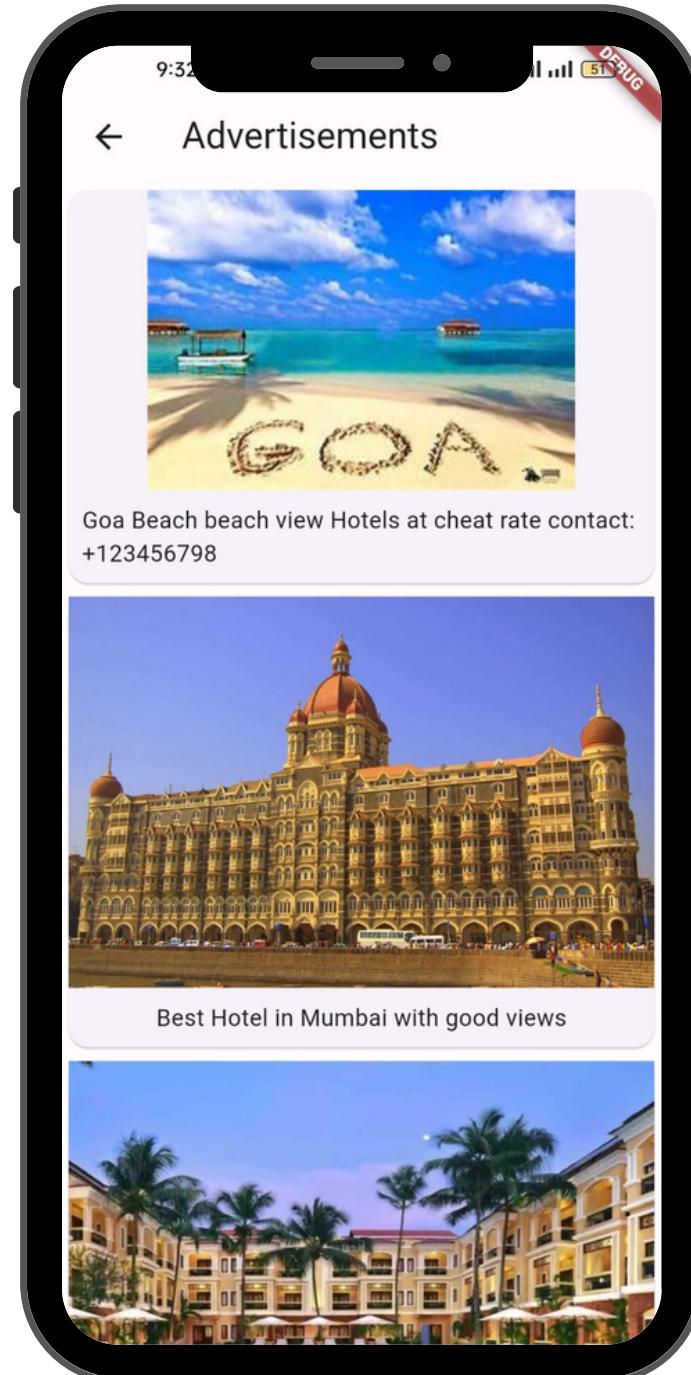
- Description Field: Allows users to write the content of their blog using a rich text editor for formatting options.
- Image Upload Options: Provides buttons to upload images from the device's gallery or capture new images using the device's camera.
- Title Field: Enables users to enter a title for their blog post, making it easier for readers to identify the content.



Implementation

Advertisement Page

- Advertisement Display: Shows a list of advertisements with photos and descriptions.
- Upload Advertisement Button: Allows advertisers to upload new advertisements.
- Advertisement Details: Displays each advertisement's photo, description, and other relevant information.



Future Scope

Enhanced Analytics: Introduce advanced analytics tools for bloggers to gain deeper insights into their audience, engagement metrics, and content performance.

Integration with Social Media:
Integrate with popular social media platforms to allow users to share their blog posts and engage with their audience across multiple channels.

Community Building: Enhance community features to foster a more interactive and engaged user base, including forums, events, and networking opportunities.





Literature Survey

Name	Author	Description
<u>Research on the Application of Blog for University Students' Information Literacy Education</u>	W. Li and T. Wang	This paper explores the use of blogs for university students' information literacy education, including posting guidelines and authentication practices.
<u>A Clean Approach to Flutter Development through the Flutter Clean Architecture Package</u>	S. Boukhary and E. Colmenares	This paper proposes a new Flutter architecture based on the Clean Architecture by Uncle Bob, offering a solution for state management issues, and provides guidance on building, running, and integrating Flutter apps using this architecture.





Conclusion



In conclusion, the blogger app presents a comprehensive platform for individuals to express their thoughts, share experiences, and connect with a global audience.

With its user-friendly interface, rich features for content creation and management, the app empowers users to unleash their creativity and build a thriving online presence. Looking ahead, the app's future scope includes advanced analytics, collaboration tools, and enhanced community features, ensuring that it remains a valuable tool for bloggers seeking to make an impact in the digital world.





REFERENCE



- **Blogging App using the Blogger API using Flutter.**
 - **Design and Development of a User-Friendly Social Media App using the MERN Stack**
This paper reviews a MERN stack social networking site with image posting, liking, comments, and reviews, showcasing its fast, secure, and interactive features.
 - **APPLICATION DEVELOPMENT USING FLUTTER**

Thank you





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

PWA Presentation

Title: Fashionify (Ecommerce Website)

Mentor : Dr. Ravita Mishra

Presented by : **Shantanu Saraf**



FEATURES

1

Fast Load Times

Register and activate the service worker to intercept network requests, allowing cached resources to load quickly and improving overall performance.

2

Offline Functionality

Implemented a service worker to cache essential resources, enabling offline access to your E-commerce PWA even in low or no internet connectivity scenarios

3

Push Notifications

push events to deliver timely notifications to users, keeping them informed about new offers, promotions, or updates





FEATURES



4

Installation

Users can install PWAs on their device's home screen without going through an app store, saving storage space and offering easy access.

5

App-like Interface

PWAs provide a native app-like experience, including smooth animations and interactions.

6

Security

PWAs are served over HTTPS, ensuring that data is transmitted securely.

Implementation

Home Page

Fashionify Profile Cart About

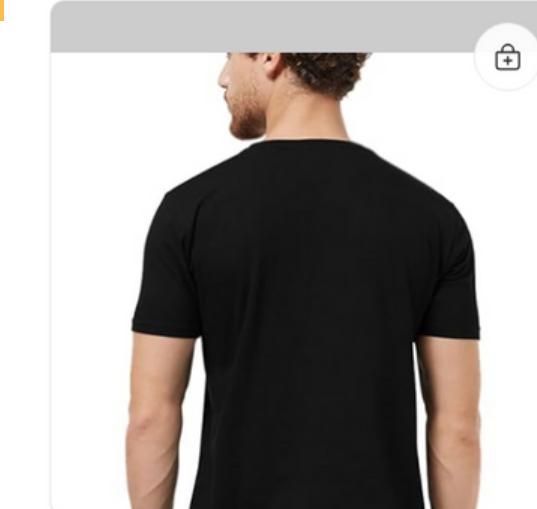


Discover Your Perfect Style - Guaranteed!

At Fashionify, we believe your style should be as unique as you are. If you don't love your new clothing, we'll help you find something that suits you better. That's our style guarantee.

[Find out more](#)

Best Sellers



★★★★★ (1)

Wear Your Opinion Men's

\$15.00



★★★★★ (0)

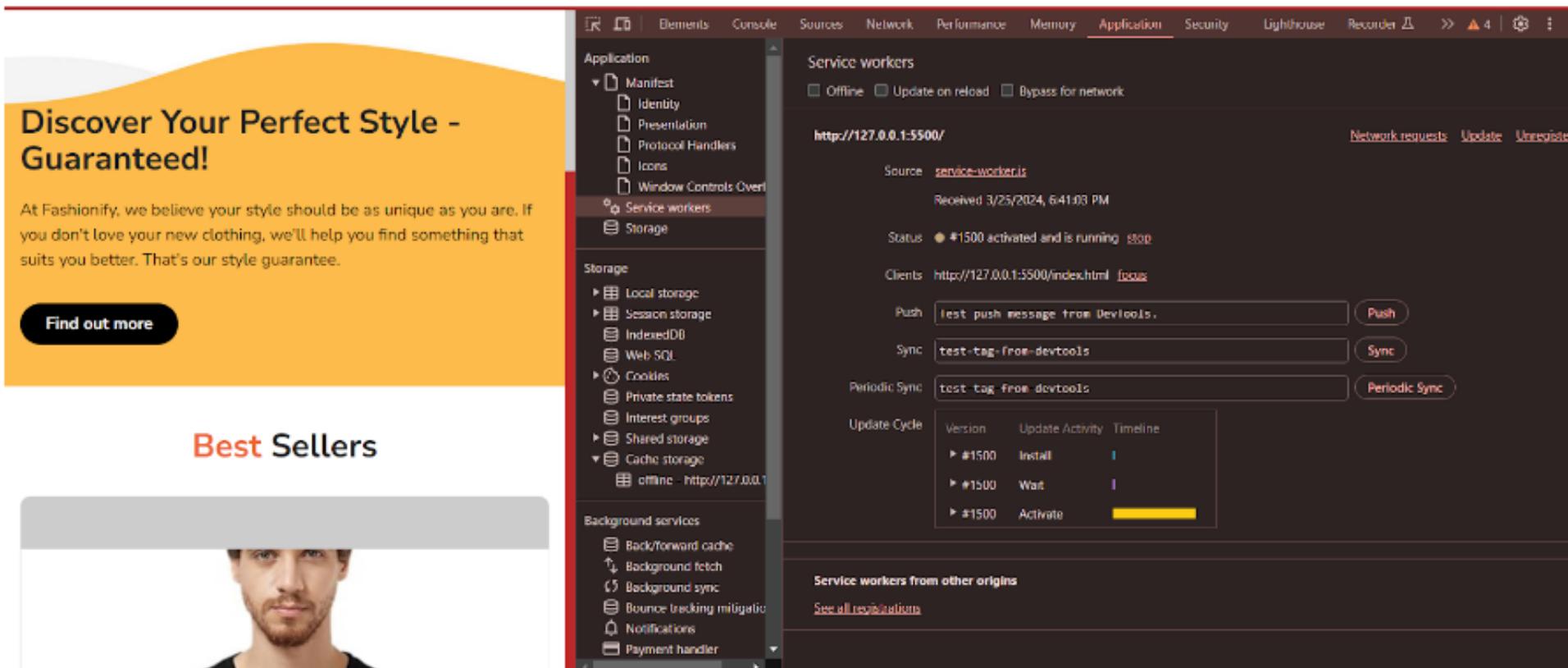
The Souled Store Men Official Black
Panther: Long Live The King Black
Oversized T-Shirts

\$15.00

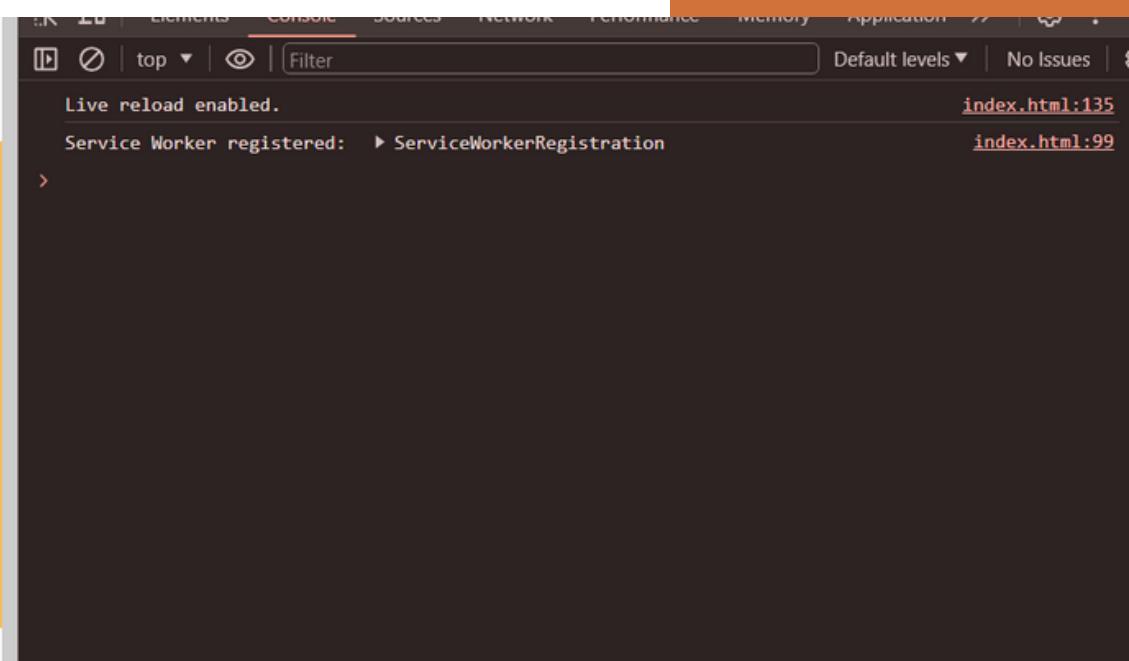


Implementation

service worker

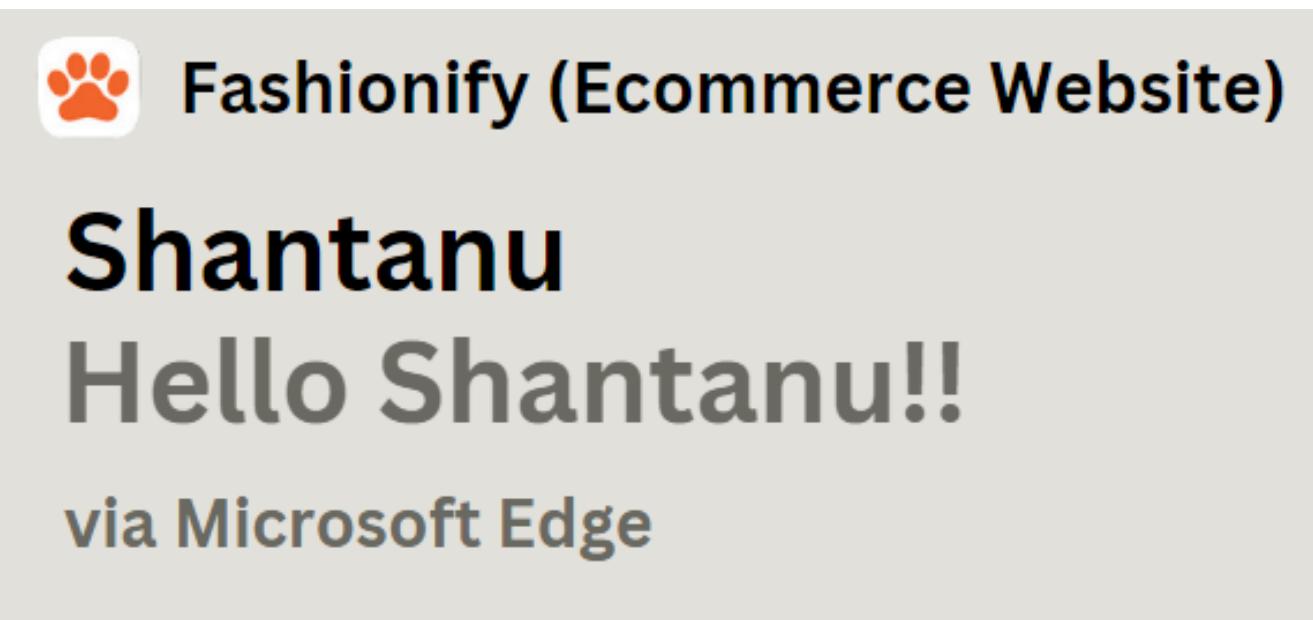


The screenshot shows the homepage of the **Fashionify** website. At the top, there's a navigation bar with links for **Fashionify**, Profile, Cart, and About. Below the navigation is a large image of a man and a woman posing together. To the right of the image is a yellow call-to-action box with the text **Discover Your Perfect Style - Guaranteed!** and a **Find out more** button. The main text on the page reads: "At Fashionify, we believe your style should be as unique as you are. If you don't love your new clothing, we'll help you find something that suits you better. That's our style guarantee." A "Find out more" button is located at the bottom of this text block.



Implementation

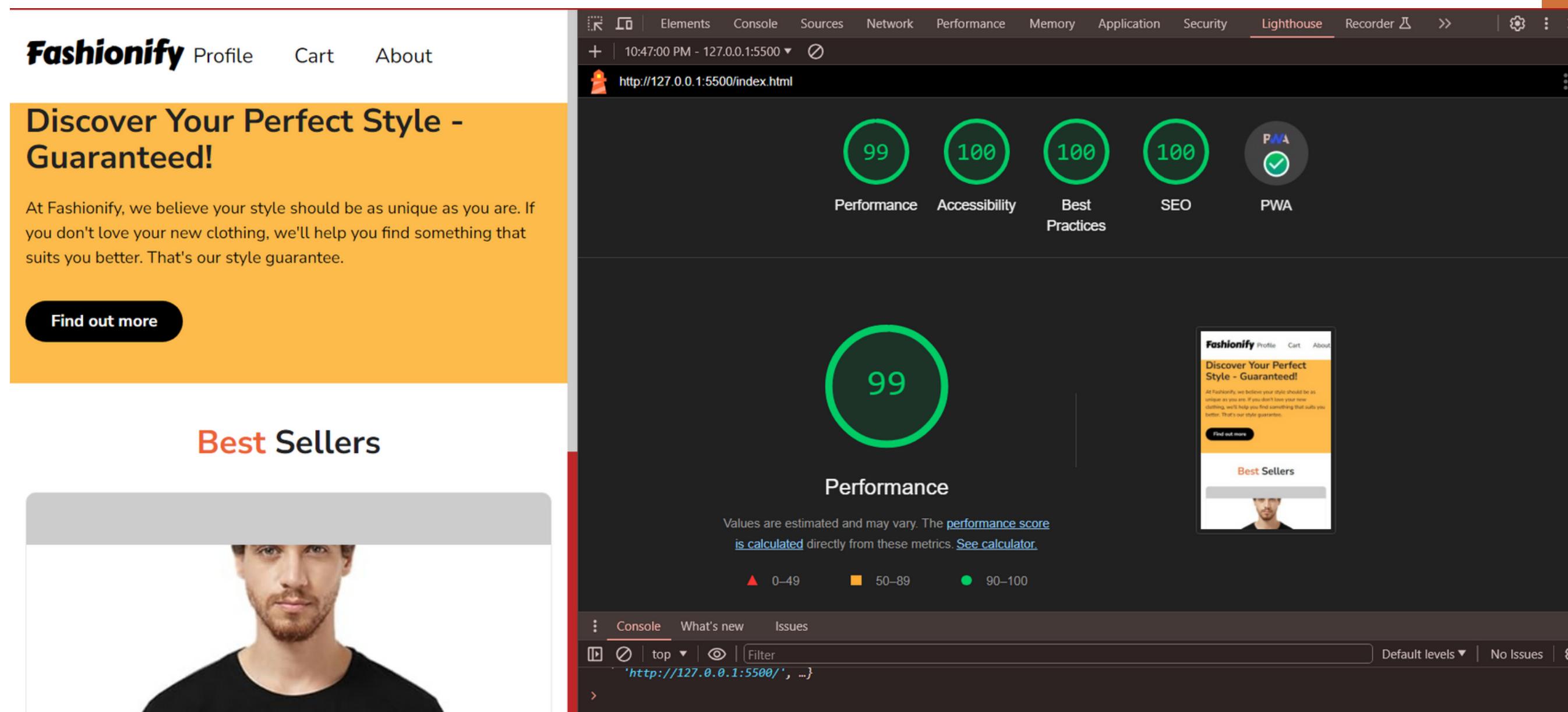
fetch, sync and push



```
Console Issues +  
Filter Default levels 34 1  
Fetch successful!  
[Intervention] Images loaded lazily and replaced with placeholder  
2048113  
7 Fetch successful!  
Notification permission granted  
Sync successful!  
Fetch successful!  
Service Worker registered with scope: http://127.0.0.1:5500/  
4 Fetch successful!
```

Implementation

Light House Report



Thank you

