

# Instagram UI

Final Assignment Presentation

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# Introduction

- What is the project?
  - - A Flutter-based Instagram
  - - Mimics Instagram's design and functionality
- Why this project?
  - - Demonstrates expertise in UI design and Flutter concepts
  - - Implements modern mobile app features

# Technologies Used

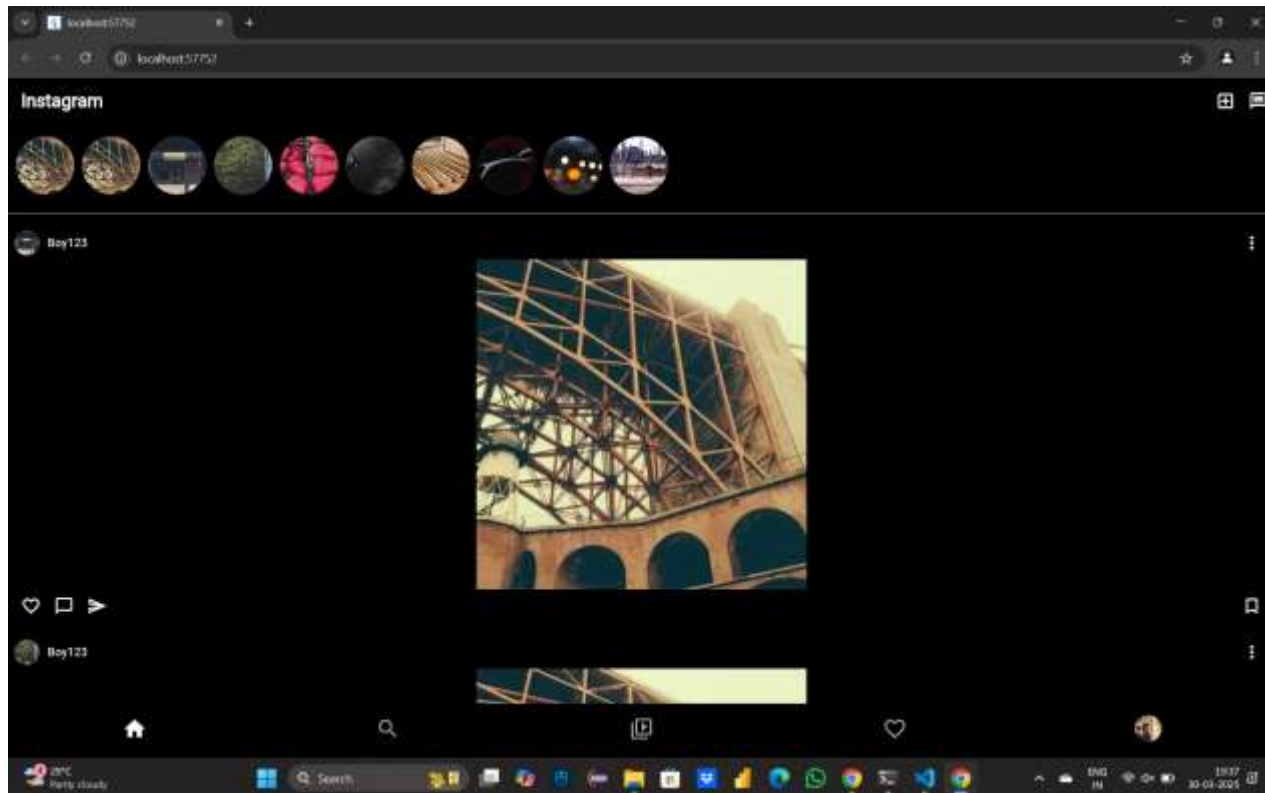
- - Flutter & Dart for development
- - Firebase for authentication and storage
- - REST API for data fetching
- - SQLite/Firestore for database management
- - Localization & Theming for enhanced UX

# Features Implemented

- - Home feed with posts
- - Profile page with user details
- - Stories feature
- - Like, comment, and share interactions
- - Post upload with image support
- - Firebase authentication (Login/Signup)

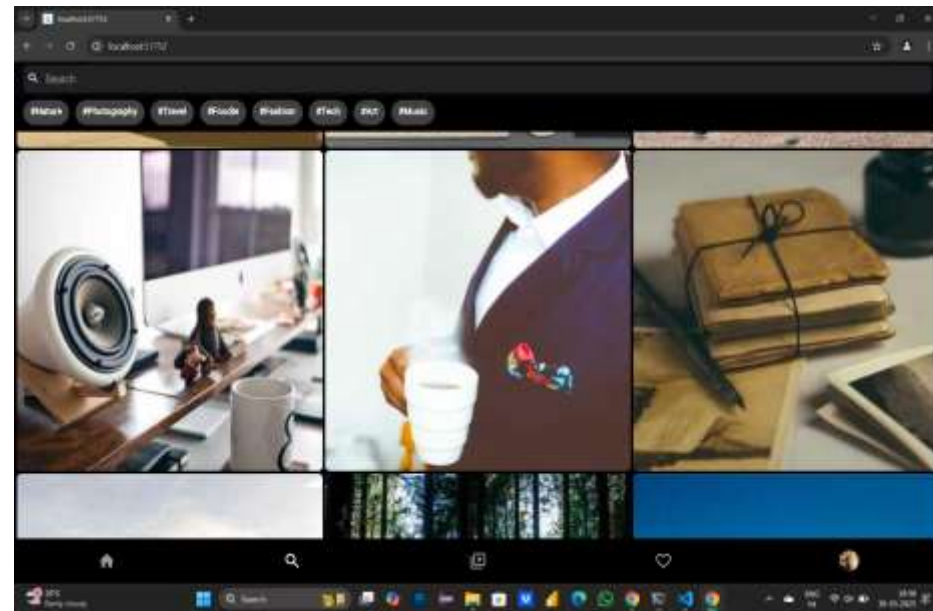
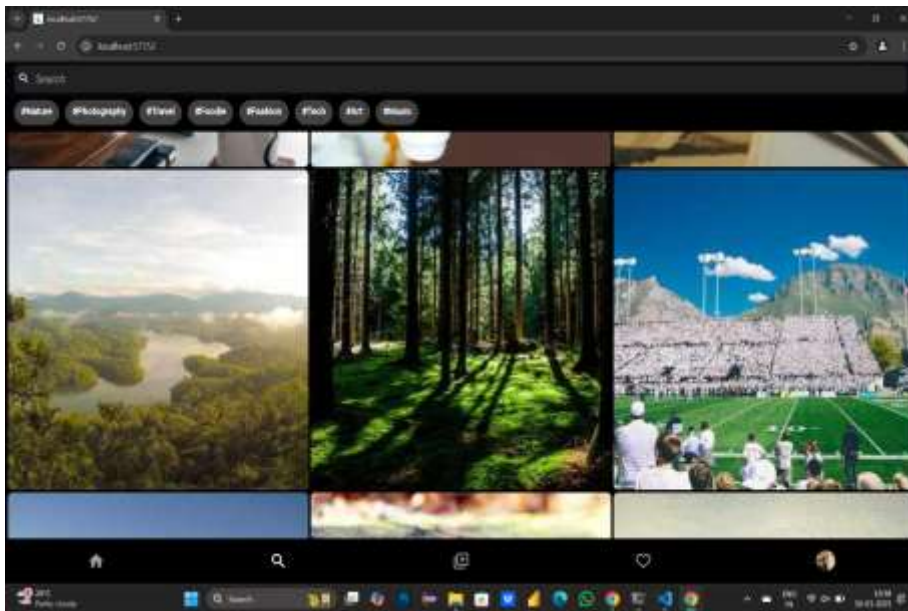
# Home Screen

The home screen has some random suggested posts and some stories on the top



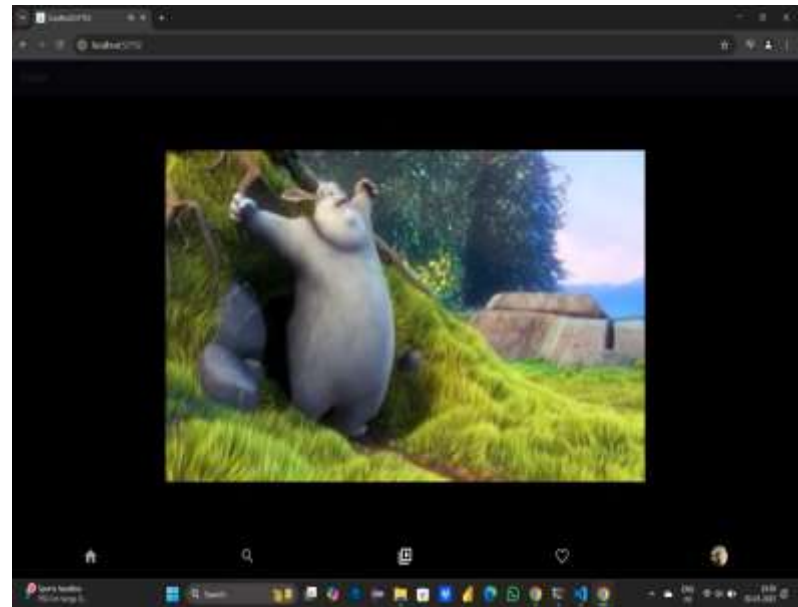
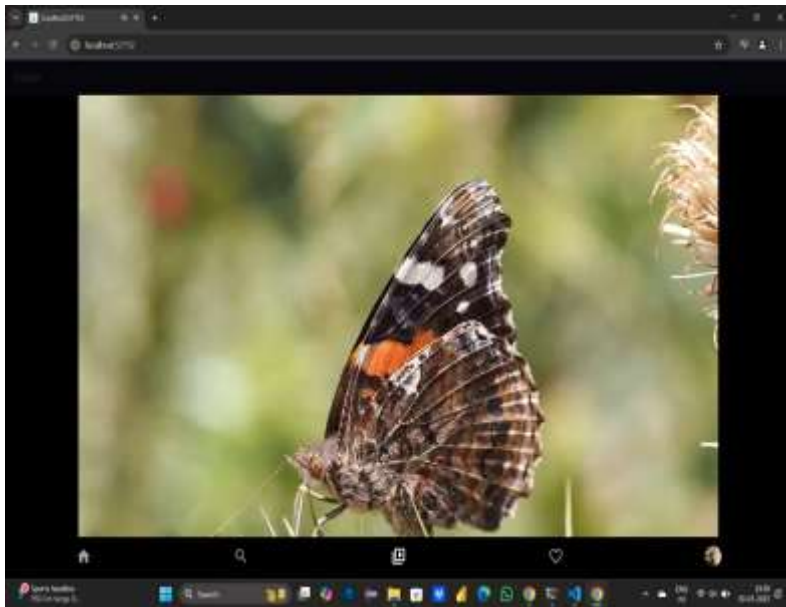
# Explore Page

The activity page consists of posts and suggests posts based on the user interest and involvement on the page



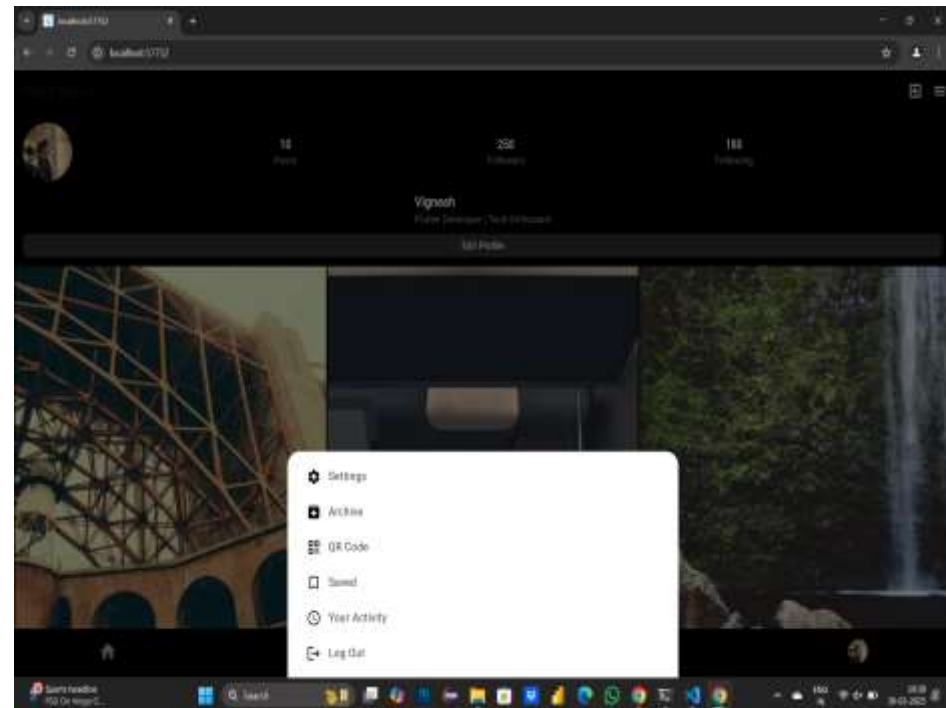
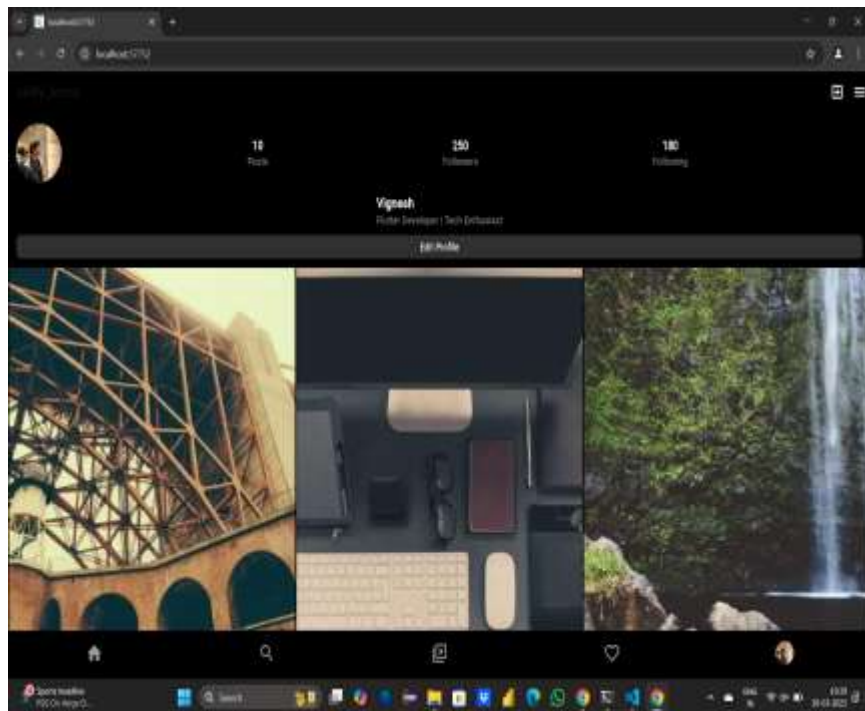
# Reels

The reels page shows some random videos the videos are not more than 30 seconds



# Profile

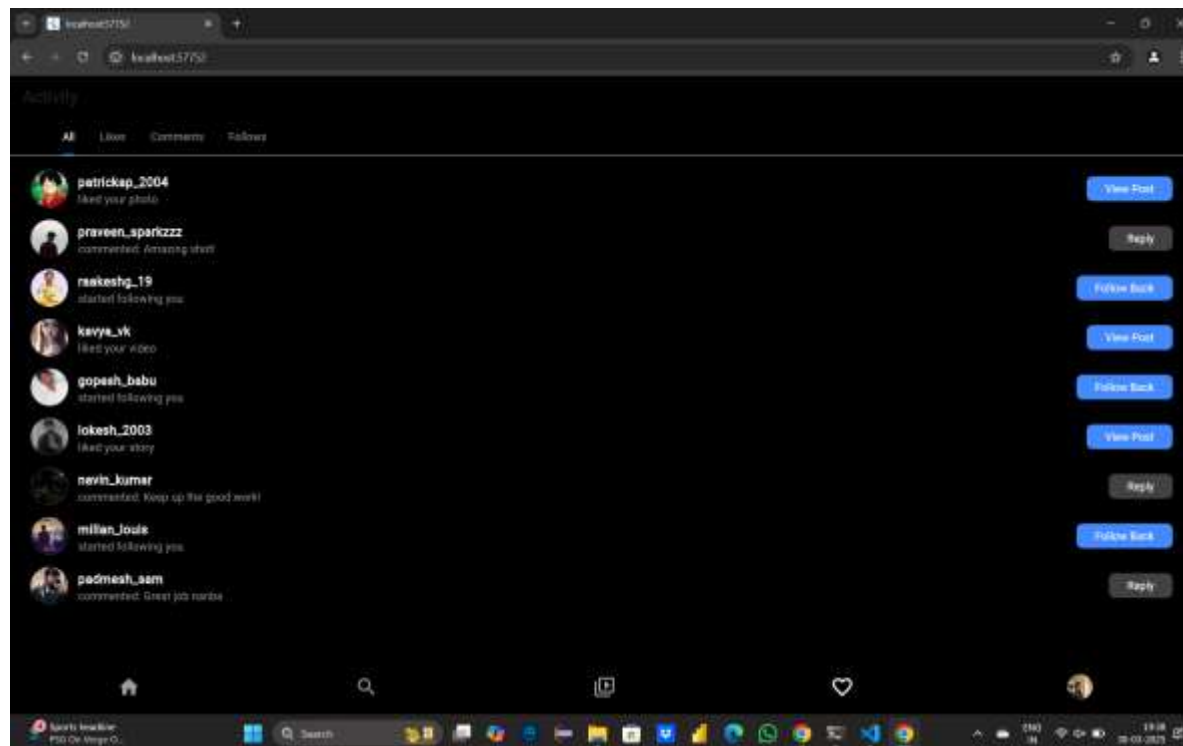
The profile page consists of the user pic and the posts he posted his followers and following count and the dropdown menu has certain options





# Activity

The activity shows all the recent all the recent interactions that the user got on his Instagram profile



# Challenges & Solutions

- Challenge: API rate limits
  - - Solution: Implement caching with SQLite
- Challenge: UI responsiveness
  - - Solution: Used Flexible and Expanded widgets
- Challenge: Managing app state
  - - Solution: Used Provider for state management

# Conclusion

- Conclusion:
- - Successfully built an Instagram UI with Flutter
- - Implemented all required features

Thank You !