

MAD ASSIGNMENT#2

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Section:

SE (5-2)



1. Project Introduction

The **Pakistan Travel Guide App** is a **Flutter-based mobile application** designed to showcase the beautiful destinations and landmarks of Pakistan. This application provides users with an **interactive platform** to explore various tourist attractions across the country, learn about historical and cultural sites, and plan their travels effectively. By combining **modern UI design**, **state management**, and **multi-screen navigation**, the app offers an engaging and user-friendly experience that promotes **Pakistan's tourism** through technology.

2. Objectives

The main objectives of this Flutter application are as follows:

- To create a **multi-screen Flutter application** with proper navigation.
- To implement **basic UI widgets and layouts** effectively.
- To demonstrate understanding of **Flutter's widget tree structure**.
- To create an **interactive user interface** with proper state management.
- To **showcase Pakistani tourism destinations** through an engaging app design.

3. Features Implemented

Main Structure

- Implemented **Scaffold** with an **AppBar** titled "*Pakistan Travel Guide*".
- Used **SafeArea** to ensure proper content display on different devices.
- Added a **BottomNavigationBar** for seamless navigation between 3 main screens.
- Applied a **Pakistan-themed color scheme** (Green & White) throughout the app.

Home Screen

- Displayed a **Pakistan travel image** using `Image.network()`.
- Added a **welcome message** inside a styled **Container**.
- Used **RichText** to display a **Pakistan-themed slogan**.
- Implemented a **TextField** for destination search functionality.
- Added **ElevatedButton** and **TextButton** with **SnackBar feedback** for interactivity.

Destinations Screen

- Implemented a **scrollable ListView** containing **10 Pakistani destinations**.
- Each list item includes the **location name** and a short **description**.
- Added **interactive list items** using `onTap()` functionality.
- Styled items using **green-themed cards** for consistent aesthetics.



Landmarks Screen

- Created a **GridView** showcasing **6 famous Pakistani landmarks**.
- Each grid card includes an **image** and a **caption**.
- Added **image error handling** to manage missing or failed image loads.
- Ensured a **responsive grid layout** adaptable to different screen sizes.

Key Files Description

main.dart:

Contains the main app widget and handles navigation logic throughout the application.

home_screen.dart:

Implements the search functionality and displays the welcome interface for users.

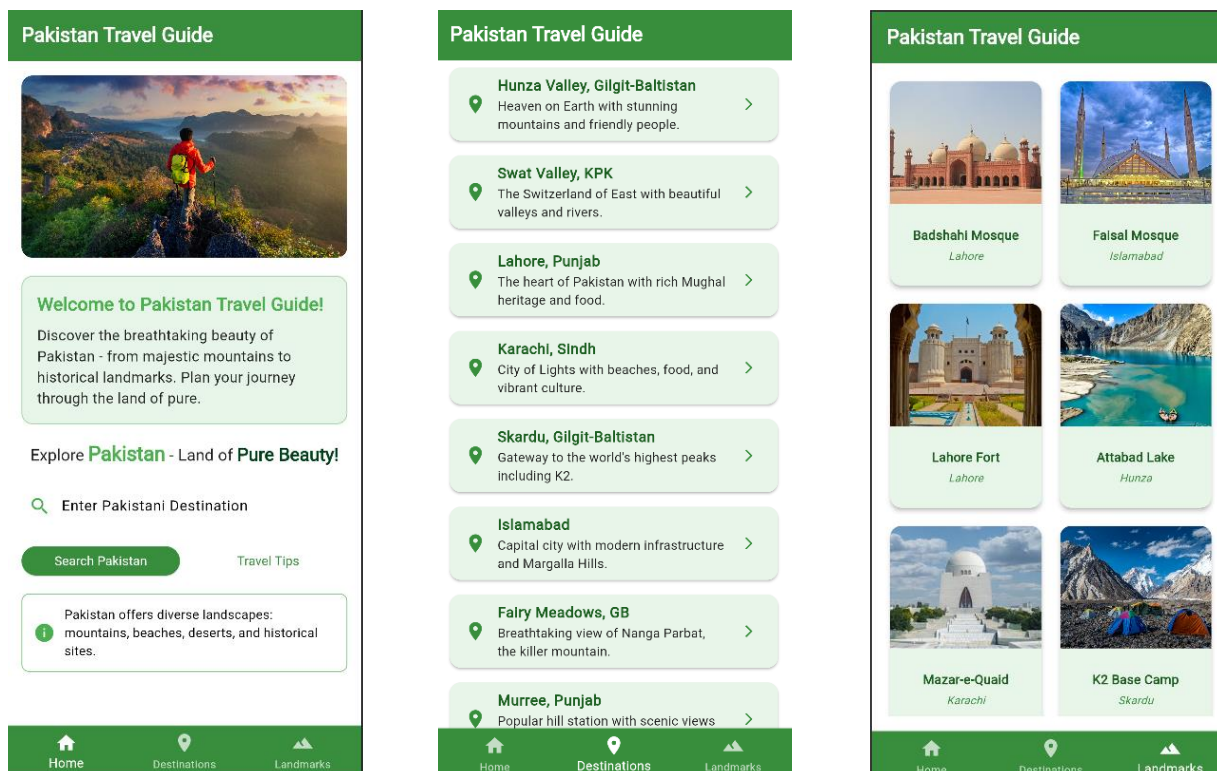
list_screen.dart:

Displays a scrollable list of tourist destinations with images and brief descriptions.

about_screen.dart:

Shows various landmarks in a grid layout for easy visual browsing.

4. Screenshot:





5.Git Repository:

<https://github.com/M-Shameel-375/Mobile-App-Development/tree/main/Assignment/assignment2>