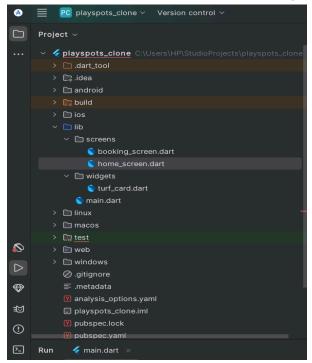
## **Experiment 02**

Aim:-To design Flutter UI by including common widgets.

1. Main File Structure – Overview of the project's Flutter file structure.



## Home Screen – Displays a list of available turfs and navigates to the booking screen

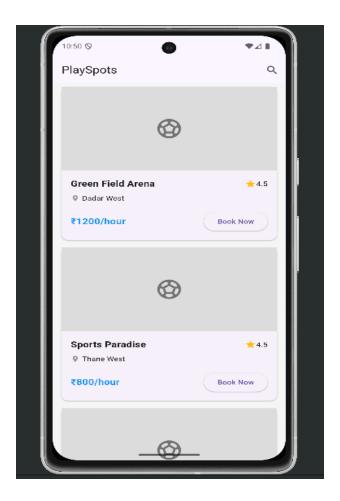
**BookingScreen Class** – Implements a UI screen for booking a turf with date, time, and duration selection.

```
crossAxisAlignment: CrossAxisAlignment.start,
```

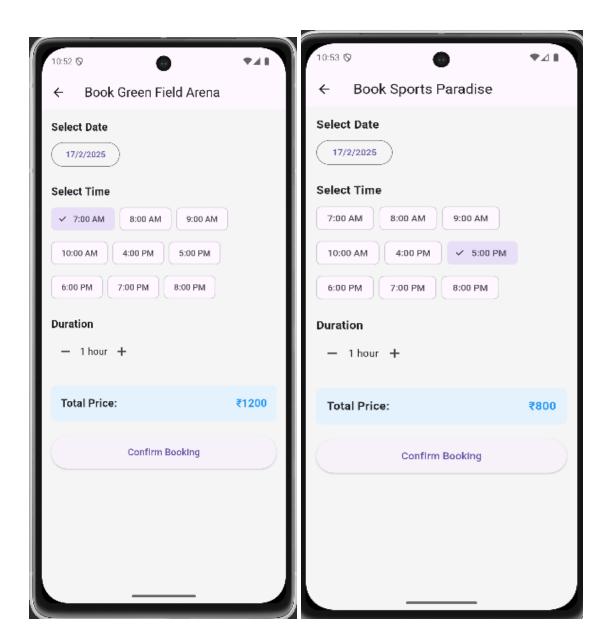
<u>TurfCard Widget - Displays a card UI for each turf, including details like name, location, and price.</u>

```
import 'package:flutter/material.dart';
class TurfCard extends StatelessWidget {
```

TurfCard Layout – UI structure including an image, name, rating, and location of the turf.



**Duration Selection** – UI components to adjust the booking duration. **Total Price Calculation** – Computes and displays the total booking price dynamically. **Confirmation Button** – Implements a button to confirm the booking with a success message.



## **Conclusion:-**

In this experiment we successfully developed a structured and interactive turf booking application by utilizing Flutter's core widgets. The Main File Structure provides the foundation for the app, while the Home Screen lists available turfs, allowing users to navigate to the Booking Screen. Within the Booking Screen, users can choose a date and time slot, set the duration, and view the total price before confirming their booking. The TurfCard Widget ensures a visually appealing representation of turfs, including details such as name, location, rating, and price. Finally, the Booking Button facilitates a seamless transition from browsing to booking. This experiment effectively demonstrates the integration of multiple Flutter widgets to create a user-friendly and functional mobile application.