

TurfEase: Smart Sports Turf Booking and Management System

Abstract:

> In many urban areas, booking sports turfs like cricket, football, and badminton is still a manual process involving phone calls or on-site visits, leading to scheduling conflicts, no-shows, and wasted time. TurfEase is a Java-based GUI application designed to solve these challenges by providing a centralized and user-friendly platform to view and book sports turfs in real time.

The system has two modules: User Module and Admin Module. Users can log in, search for turfs based on location or sport, view available time slots in a color-coded grid, make bookings, and track their booking history. A simulated payment screen is included to ensure booking confirmation and avoid fake reservations. Admins (turf managers) can log in to manage their own turf schedules, block slots for offline bookings, and generate usage reports.

With features like multi-admin support, real-time availability, booking history, and a future-ready design for real online payments, TurfEase aims to modernize sports facility booking and deliver a seamless experience for both users and turf owners.

Reference:playo,BookMyTurf.