

MOBILE PLATFORM FOR INTEGRATION AND MANAGEMENT OF SPORTS LOCATIONS IN KYIV

INTRODUCTION:

In the bustling city of Kyiv, sports enthusiasts often find it challenging to locate, book, or manage sports facilities efficiently. The proposed project aims to bridge this gap by introducing a comprehensive mobile platform that seamlessly integrates various sports locations within the city, providing users and facility managers with a centralized, easy-to-use system.

OBJECTIVE:

The primary objective of this platform is to facilitate efficient and real-time management of sports locations, making it easier for users to find, book, and review facilities while allowing facility managers to handle bookings, feedback, and maintenance schedules effectively.

EXPECTED OUTCOMES:

- Increased visibility of sports facilities in Kyiv, leading to higher occupancy rates.
- Enhanced user satisfaction due to the ease of finding, booking, and providing feedback.
- Streamlined operations for facility managers with centralized management tools.
- A more engaged and active sports community in Kyiv, promoting health and wellness.

FUNCTIONAL REQUIREMENTS:

1. Admin

1.1 USER AUTHENTICATION & AUTHORIZATION

- The system shall provide admin users with tools to manage all sports location information.

- The system shall be capable of generating reports on usage metrics, revenue, and user actions.
- The system shall provide admin users with tools to manage user and owner accounts.

1.2 NOTIFICATIONS & ALERTS

- The system shall allow the admin to manage notification and alert settings for users and owners.

2. User

2.1 USER AUTHENTICATION & AUTHORIZATION

- The system shall allow users to register and create profiles.
- The system shall provide facilities for users to securely log in and log out.

2.2 SEARCH & DISPLAY SPORTS LOCATIONS

- The system shall enable users to search for sports locations based on criteria like sport type, location, availability, and user ratings.
- The system shall display search results on a map interface with interactive pins representing each sports location.
- The system shall provide detailed views of sports locations, including pictures, descriptions, and contact details.

2.3 BOOKING SYSTEM

- The system shall allow users to verify the availability of sports locations and reserve time slots.
- The system shall notify the user when a reservation is confirmed.

2.4 USER REVIEWS & RATINGS

- The system shall enable users to rate and provide feedback after utilizing a sports facility.

2.5 NOTIFICATIONS & ALERTS

- The system shall send notifications to users regarding upcoming reservations, cancellations, and modifications.

3. Owner

3.1 USER AUTHENTICATION & AUTHORIZATION

- The system shall support owner profiles, allowing them to manage their sports locations.

- The system shall provide facilities for owners to securely log in and log out.

3.2 BOOKING SYSTEM

- The system shall notify the facility owner when a reservation is made.
- The system shall offer an interface for facility owners to manage and adjust their available time slots.

3.3 USER REVIEWS & RATINGS

- The system shall provide facility owners with the capability to reply to reviews.

3.4 INTEGRATION WITH EXTERNAL SYSTEMS

- The system shall offer APIs for integration with payment gateways to facilitate booking payments.
- The system shall integrate with external calendar platforms to synchronize bookings.

3.5 NOTIFICATIONS & ALERTS

- The system shall alert facility owners of new bookings, amendments, or cancellations.