FUTSAL FIELD RESERVATION SYSTEM

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Submitted for the partial fulfillment of the requirements for the degree of

Bachelor of Science in Computer Science

DEPARTMENT OF COMPUTING & TECHNOLOGY

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ABSTRACT

Due to the lack of centralised football booking platform in our country, both team players and ground owners have difficulty obtaining slot bookings. It's an altogether tiresome an time-consuming process both of the owners and the players with the owners having to wait for people to contact them in order to get their grounds booked, which is neither profitable not feasible from a business standpoint. And for the teams who have to travel from one venue to another in order to find a suitable pitch.

As a result of numerous challenges that our players face, we have aimed to design an online web-service that will help both teams obtain ground bookings and facility providers manage their facilities. We provide a simple solution by providing a centralised platform for both teams and ground owners, where ground owners can register their grounds on our website so that local teams can easily view and book grounds for their matches based on their preferred time and location. It was built using a structure design methodology, technologies like ReactJs for the frontend, NodeJs and Express for the backend, and MongoDB for data management and file storage. This software product will significantly improve the local football atmosphere of our twin cities.

Test cases include functionalities such as user registration, booking, donations. The system passed all test cases successfully. It was tested on Windows OS Opera-mini, and the overall results show that the application meets the functional and non-functional requirements. Testing was conducted using Black-box, White-Box, and GUI techniques.

The current scope of the project is limited to just twin cities but in the future we wish to expand it to a country-wide level and include national football leagues too and also include the mobile application support. These improvements will help increase the reach of the platform and make it more scalable.

CERTIFICATE

Dated: _____

Final Approval

It is certified that project report titled **" Fustal Field Reservation System"** submitted by **Ehtisham Naveed** and **Saadullah** for the partial fulfillment of the requirement of **"Bachelor's Degree in Computer Science"** is approved.

COMMITTEE

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Associate Dean: Signature: _____

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DECLARATION

We hereby declare that our dissertation is entirely our work and genuine / original. We understand that in case of discovery of any PLAGIARISM at any stage, our group will be assigned an F(FAIL) grade and it may result in withdrawal of our Bachelor;s degree.

Group members:

Name	**Signature**
Ehtisham Naveed	_____
Saadullah	_____

PLAIGRISM CERTIFICATE

This is to certify that the project entitled “Futsal Field Reservation System”, Which is being submitted here with for the award of the “ Degree of Bachelor’s in Computer Science”. This is the result of the original work by Ehtisham Naveed and Saadullah under my supervision and guidance. The work embodied in this project has not been done earlier for the basis of award of any degree or compatible certificate or similar tile of this for any other dimploma/examining body or university to the best of my knowledge and belief.

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