
CCCS214

Object-Oriented Programming II

Project proposal

CourtSide

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Proposal Status :

☐

Approved

☐

Rejected

● Problem Description :

Sports related to ball are considered one of the main activities in our world, Either by watching it globally or trying to practice it and many people love this type of activity and they try to find courts to practice this activities and search for it and know the places that offer it and its services, but some suffer from a problems, The first problem is the lack of courts to practice some of these different sports or their existence, but those courts are dilapidated and unfit to be played inside them or the high prices of these stadiums because of their lack of existence, the second problem is the searching for these courts to know what they offer often requires going to the place of the activity Just to inquire, and this is tiring and hard, and sometimes the answer is not appropriate.

● Application Description

The CourtSide Application :

The CourtSide Reservation System aims to address these issues by providing an easy-to-use platform where users can effortlessly book Courts of there favorite sport and practice it in Jeddah City, and sees their reservations with the option to cancel it as needed.

This system streamlines the courts planning process, offering a user-friendly solution to enjoy practicing the sports that they like sports.

At the beginning, the program will welcome the client, and the client will be asked for information about him to log-in

Then the program will show the client a list of services, and ask the client to enter the service that he/she wants.

Then the client will have the option to either to make a reservation or View the reservation or cancel reservation or exit the program.

Then, in the event of making a reservation, the client will be asked for specific information about what the court that he wants, the time and day based on the service he has chosen.

Then the program will start calculating the price based on the general information of the service and the data entered by the client.

When the calculation process is completed, the program will show the reservation contract to the client with all the information and the price, and then it will ask the client to confirm the reservation or cancel it.

In the end, in the event of confirmation, the program will show the reservation contract to the client with all the information (date, time, reservation name, and price) with a message stating that the reservation has been confirmed.

- **Windows and Relations**

(May Change in Coding Process (more))

In This program we will use Three Windows :

- 1. Log-in Window**
- 2. Main Window (menu)**
- 3. Make Reservation Window**

The Log-in Window :

Will ask the Client to enter some of needed important information about him to make his reservation with his information.

The Main Window :

Will show a the services menu to the client and ask the client to enter the service that he/she needs.

The Make Reservation Window :

Will ask the client important information like the type of the court that he/she want and the date and time, then it will calculate the total price Then it will show the client the final contract with all the information to confirm or Cancel the reservation and then it will be stored in a file.