AMRITA VISHWA VIDYAPEETHAM AMRITA SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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15CSE387-Open Lab Python

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Assignment (19.02.2020)

Online Sports Turf Playground Booking System

Turf playground are used to play various sports like football, rugby, tennis, cricket, etc. People enjoy playing on the turf, it has vibrant environment and very safe to play. Many school teams and clubs prefer turf playground for practice and training purpose. Sometime it becomes difficult to book turf playground because of timing issue or the slot getting booked previously. This sports ground booking website is proposed for booking the turf in an easy and efficient way. It has three modules namely, Admin, Manager and User. Admin can login and can add turf locations, assign manager by creating login credentials for manager, add price details for the particular turf, manages turf and view the details of sports venues booking for all locations. Managers assigned by the Admin are different for different Turf playground locations. Managers will get login credentials from admin, he/she can login using credentials, he/she can check the rates, view the request for turf booking for the respective location, can accept booking, generate bill and can view the booking history. Users can check the availability of the turf, select timings, fill personal details, can pay by providing bank details or card details and he/she can also see view previous turf booking history.

Modules:

The system comprises of 3 major modules with their sub-modules as follows:

Modules:

1. Admin:

- Add Manager: Admin can add turf location and manager of the respective turf location.
- Add Price List: Admin can add price for the respective turfs.
- Manage Turf: Admin can manage turf by allocating turf

• **View Booking:** Admin can view booking done and the user details.

2. Manager:

- Login: Manager can login with the credentials provided by user.
- Check Rates: Manager can check rates for the respective location turf.
- **View Request:** Manager can view request for turf bookings.
- Confirm Booking: Manager can confirm the booking of the turf
- **Bill Generation:** Manager can generate bills as per the rates.
- **Bookings History:** Manager can check previous booking history

3. Users Login:

- Check Turf: User can check for turf of nearby location and prices.
- Check Availability: User can see the availability of the respective turf which is selected by him.
- **Book Turf:** User can provide date, time and other personal details and he can also do payment.
- **Booking History:** User can see his previous booking history.

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