ODU Recwell court Reservation Guide

Team : Sujith Varma Manthena (01244559)

Indu Reddy Donuru (01244411)

Overview:

- This task focuses on the issue of reserving courts in the recreation center for sports—a problem the author has frequently encountered.

- The document highlights the difficulty students face in using sports facilities, such as insufficient courts and the inconvenience of having to reserve them through activity center employees.

- Furthermore, it points out the lack of available equipment, making it hard for students to engage in sports without long waits.

- The existing court reservation system is described as inconvenient, requiring a complicated process involving recreation center staff, leading to potential mistakes and confusion.

- The document suggests that these issues not only cause disappointment but also undermine students' commitment to regular physical activity.

Application Purpose and Domain Background

We're developing an application set to revolutionize the way students interact with recreational sports facilities at their college. At the heart of this innovation is a glaring need: to streamline the reservation process for sports courts, which has been a source of frustration due to limited availability and cumbersome booking procedures.

Scenarios and Personas

Scenario: Imagine a student, eager to play tennis after a week full of lectures, only to find all courts booked and the reservation process confusing and inefficient.

This application aims to eliminate such barriers, ensuring every student has the opportunity to engage in sports without the hassle.

Personas:

The Enthusiast (Vince): Keen on maintaining a healthy lifestyle through sports but discouraged by the current booking system.

The Facilitator (Mike): A staff member who manages court reservations, often overwhelmed by the manual process and seeking a more streamlined approach.

Use Cases

Seamless Court Booking: A feature allowing students to book courts directly through the application, with real-time availability updates.

Equipment Reservation: Alongside court bookings, students can reserve necessary equipment, ensuring they're fully prepared for their activities.

Low-Fidelity Prototype

Our low-fidelity prototype sketches the foundation of a user-friendly interface, including:

Home Screen: Where users start their journey, featuring a login or registration option.

Court and Equipment Booking: A straightforward and intuitive booking system, allowing users to select sports, check court availability, and reserve equipment.

Feedback System: A feature for users to report issues or provide suggestions, ensuring the application evolves according to user needs.

Technical Setup

The application is designed to be deployed using XAMPP, indicating a web-based solution that can be integrated into existing college IT ecosystems seamlessly. The setup instructions provided suggest an initial focus on ease of deployment and accessibility, ensuring that stakeholders can engage with the application with minimal technical barriers.

Startup Instructions

❖ For this Application usage please install **XAMPP** **https://sourceforge.net/projects/xampp/**

Step - 1: click on the portfolio link, you will find HCI click on it You will find a pop up as fig.2 click on code. You will be directed to Github page.
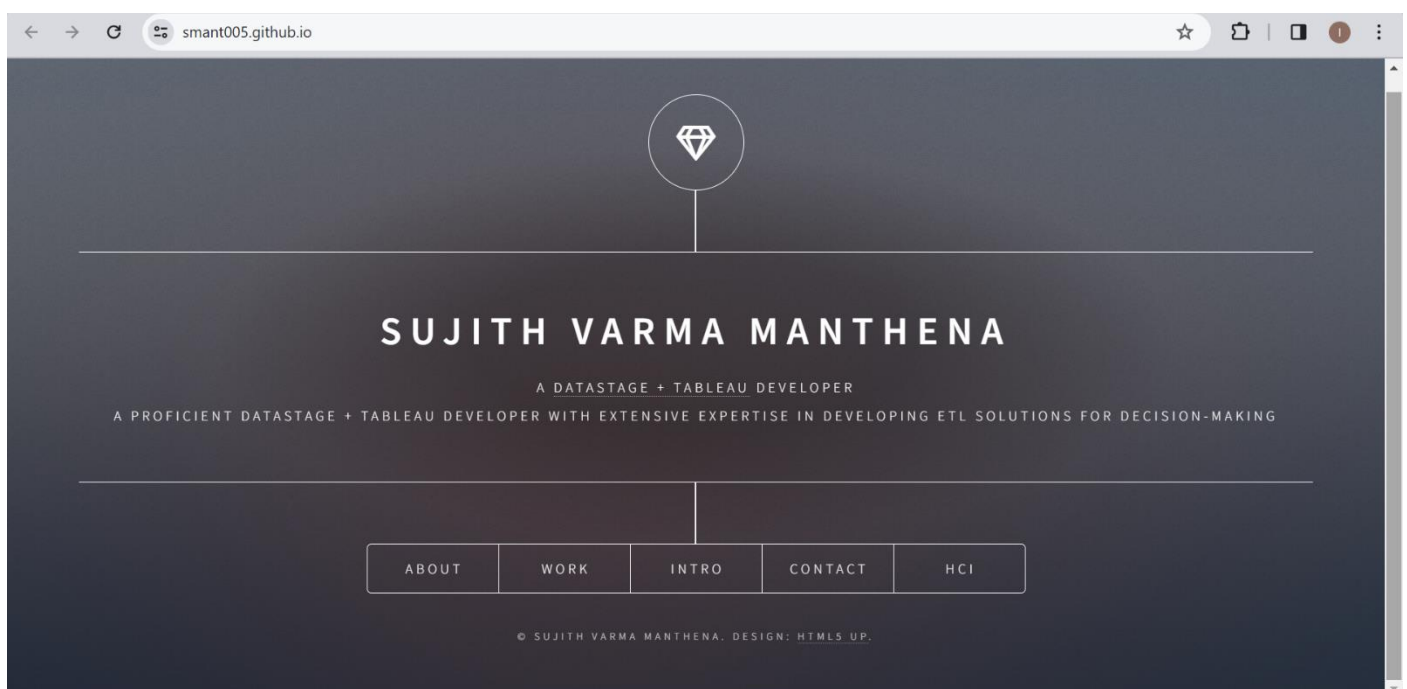
Fig.1
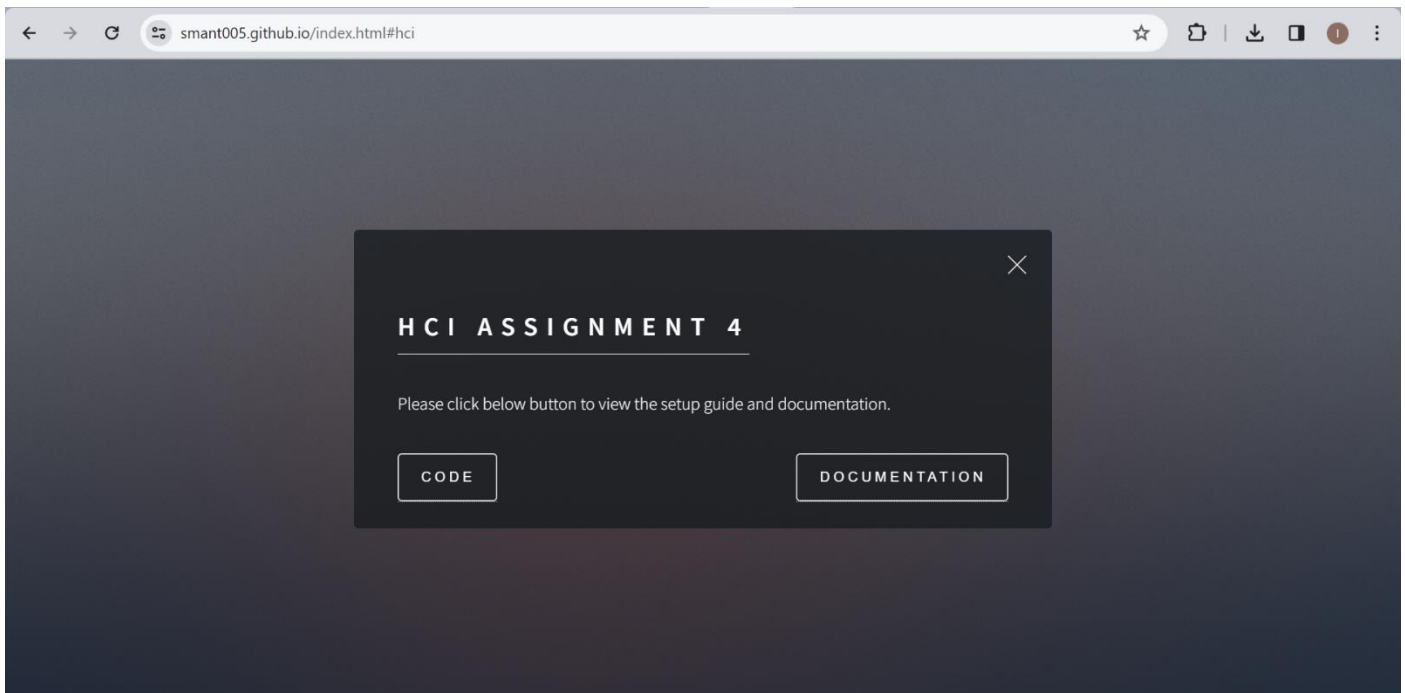
Fig.2

Step - 2: Click on the code button which is green in color, it has a drop down and has a download Zip at the bottom, click on it. HCI-HW-4-main will be downloaded.
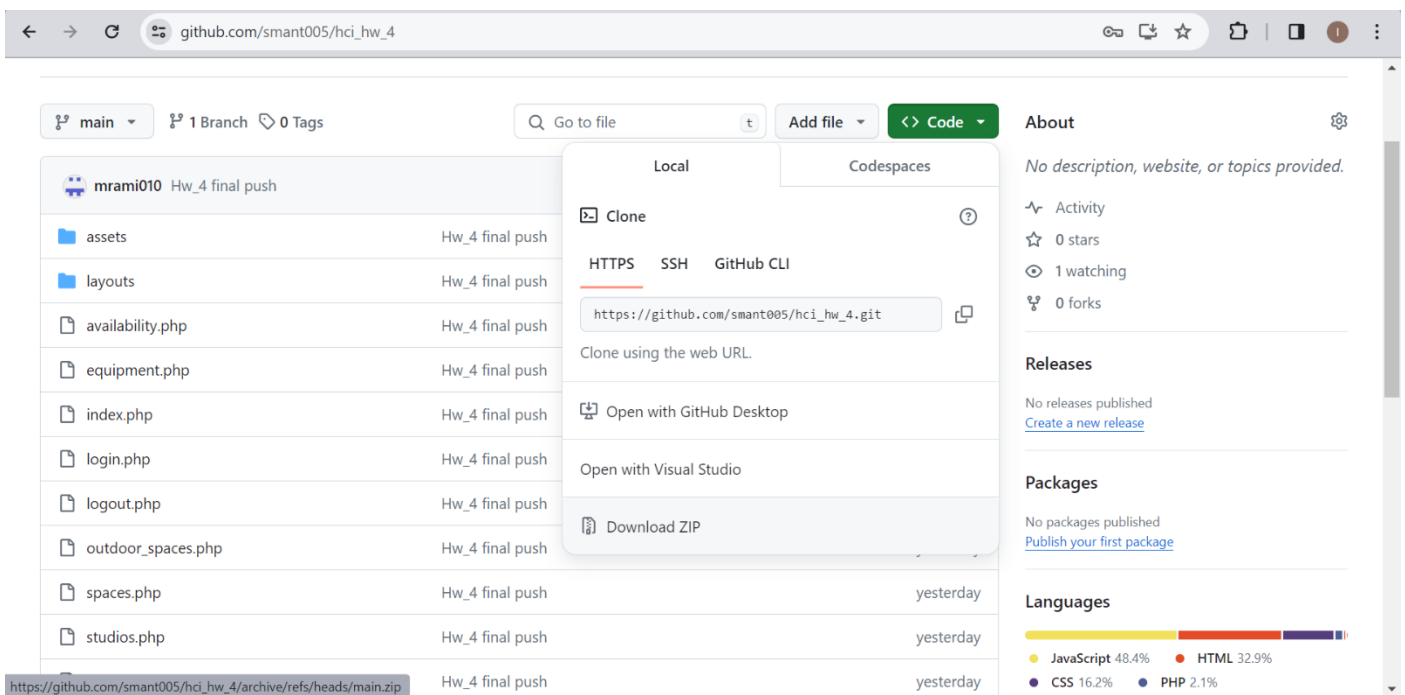

Fig.3

Step - 3: Go to your files and search for **XAMPP htdoc folder**, move HCI-HW-4-main to that file and extract all. Open HCI-HW-4-main file folder you will find fms dataset (fig.6)
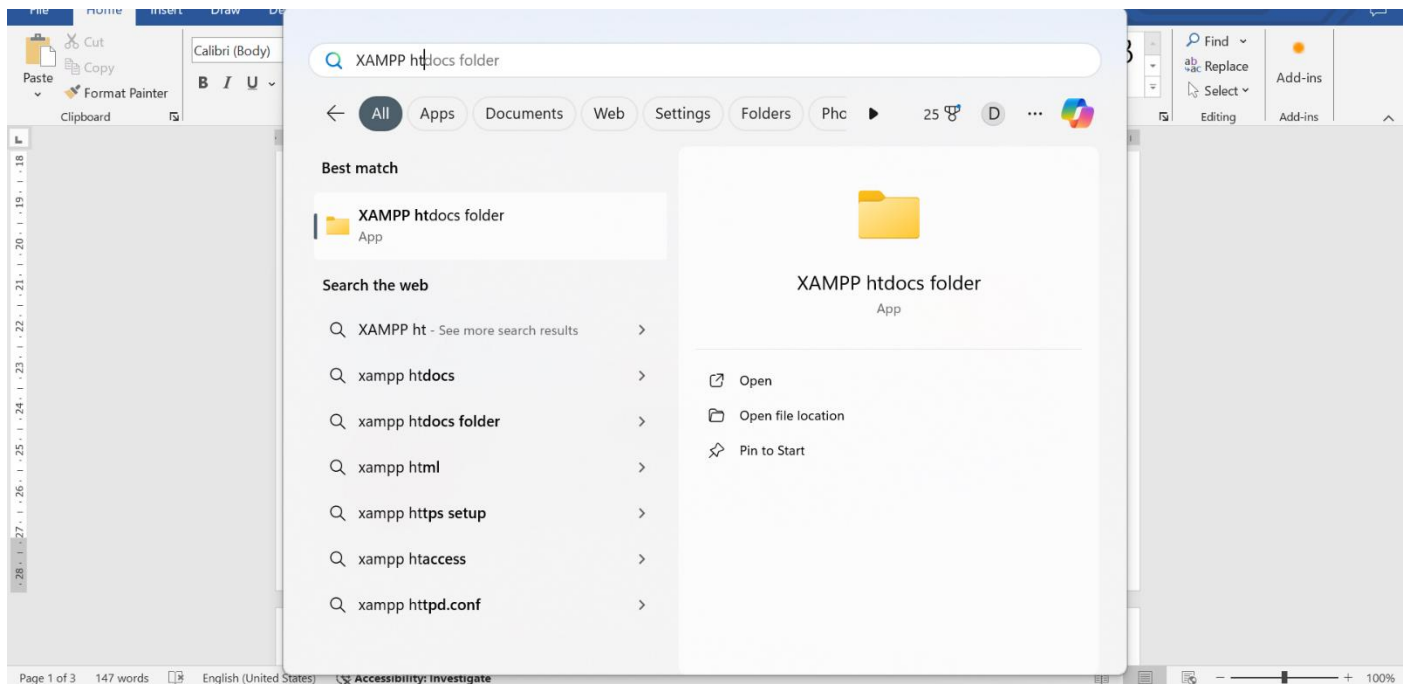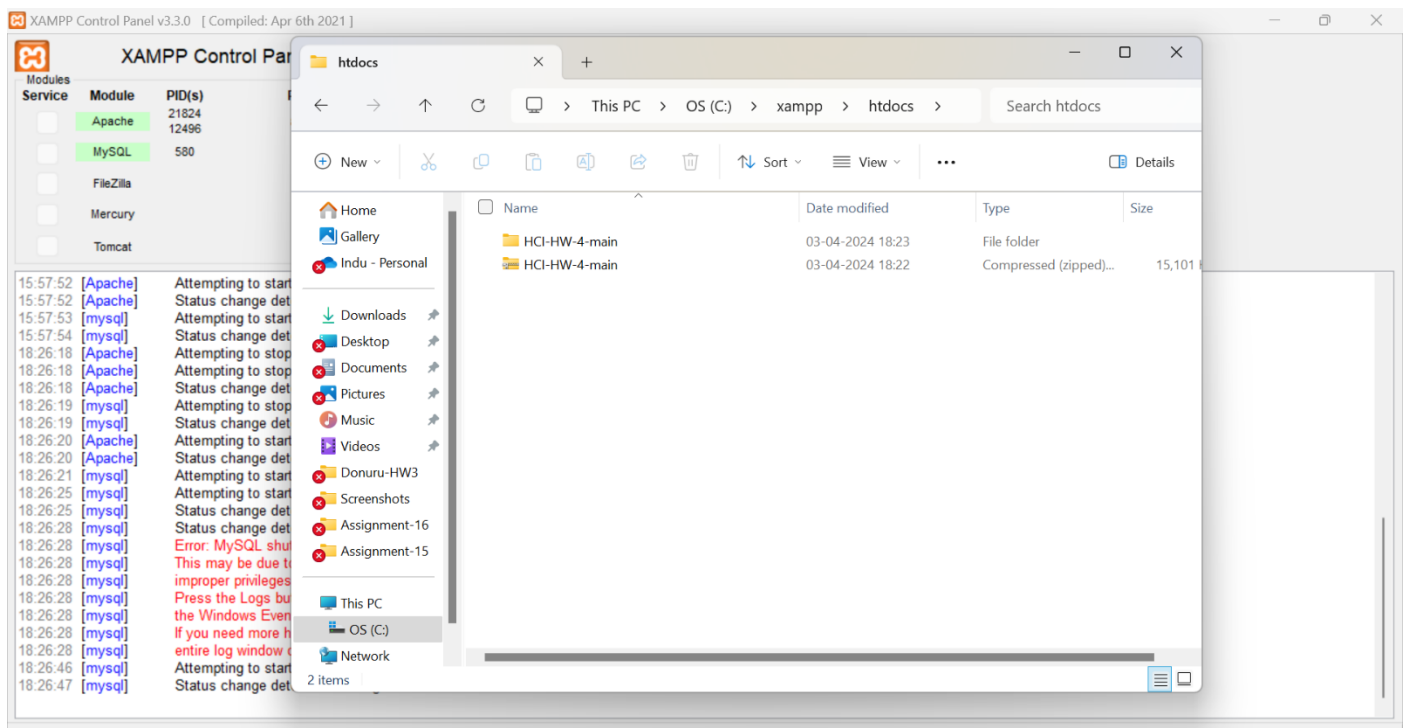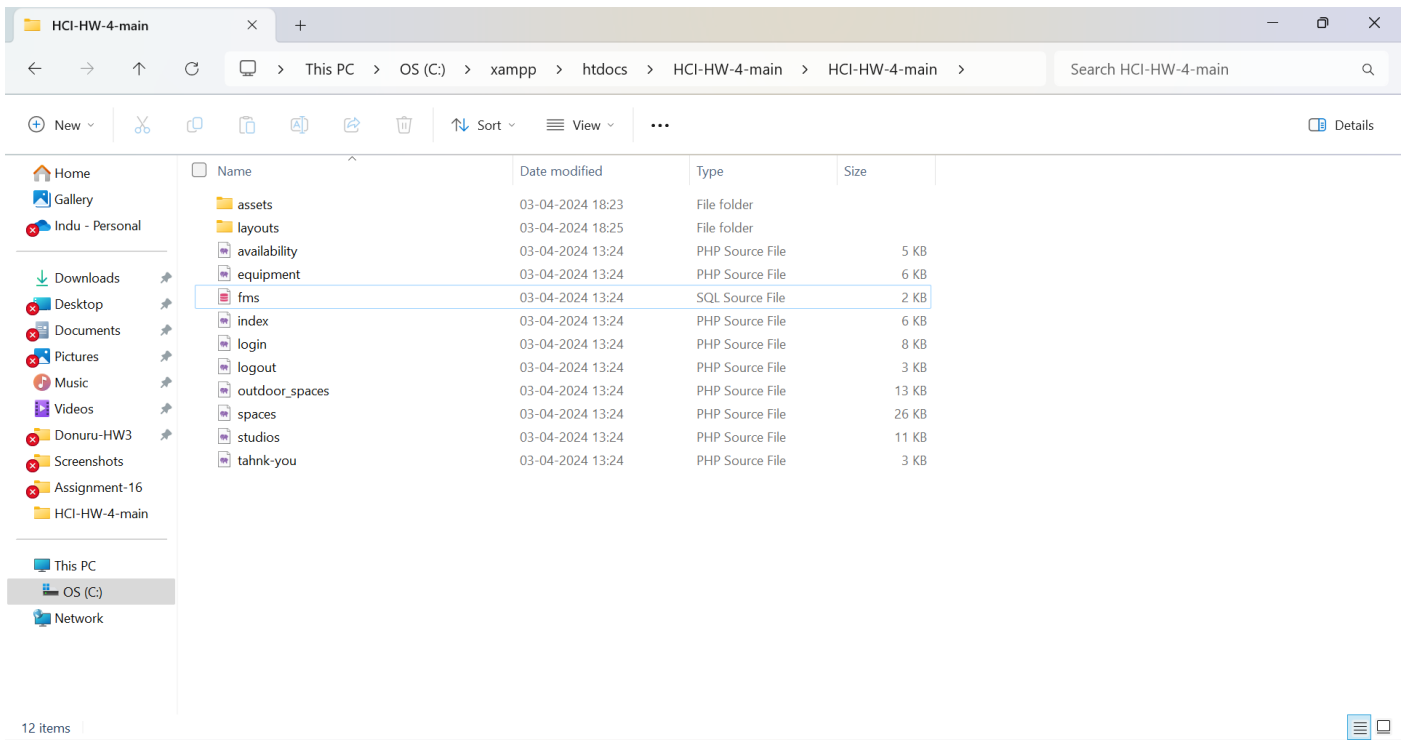

Fig.4

Fig.5

Fig.6

Step - 4: Now open **XAMPP** start Apache and MySQL actions, click on the MYSQL admin and create a new database named fms and import the fms dataset from file.
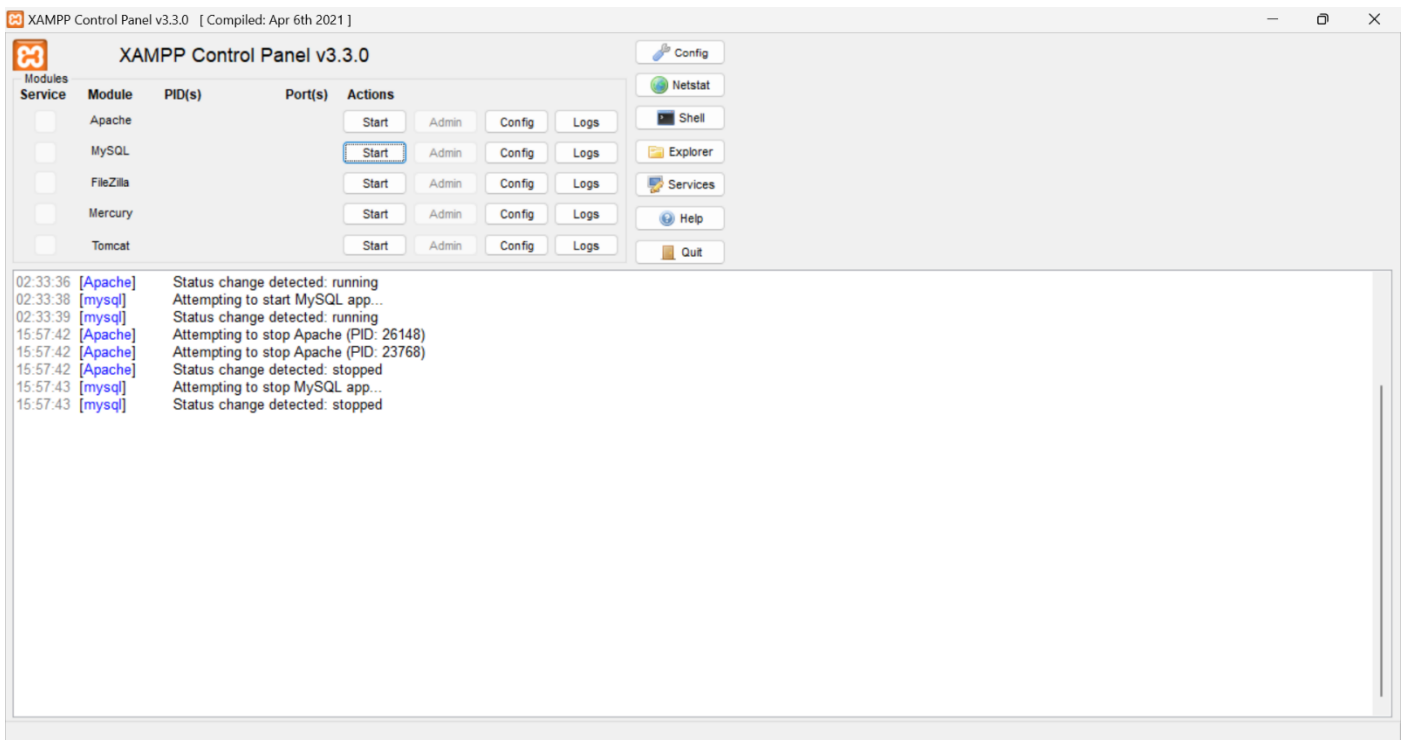
Fig: start action
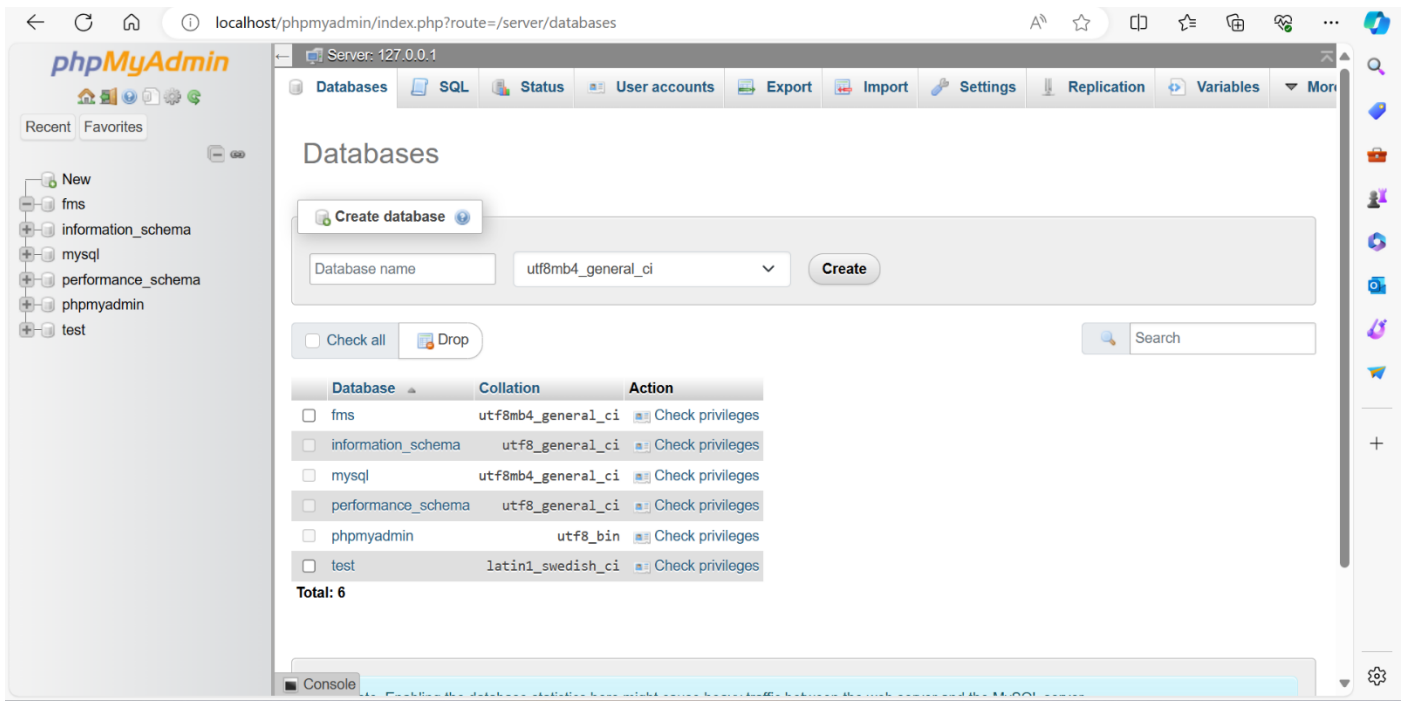
Fig: create dataset
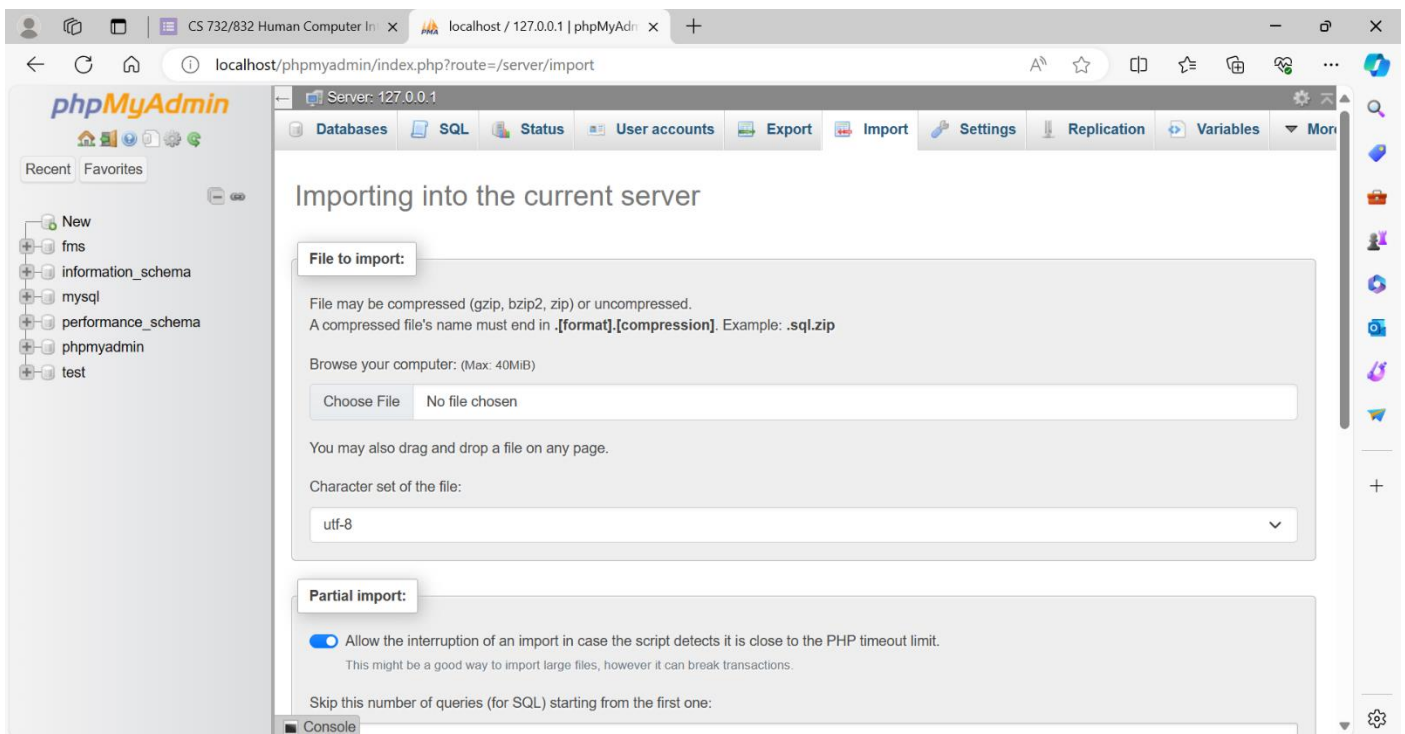
Fig: Import database fms

Step - 5: Go back to the control panel and click on the Apache admin and click the hci_hw_4-main/ in both pages as shown below.
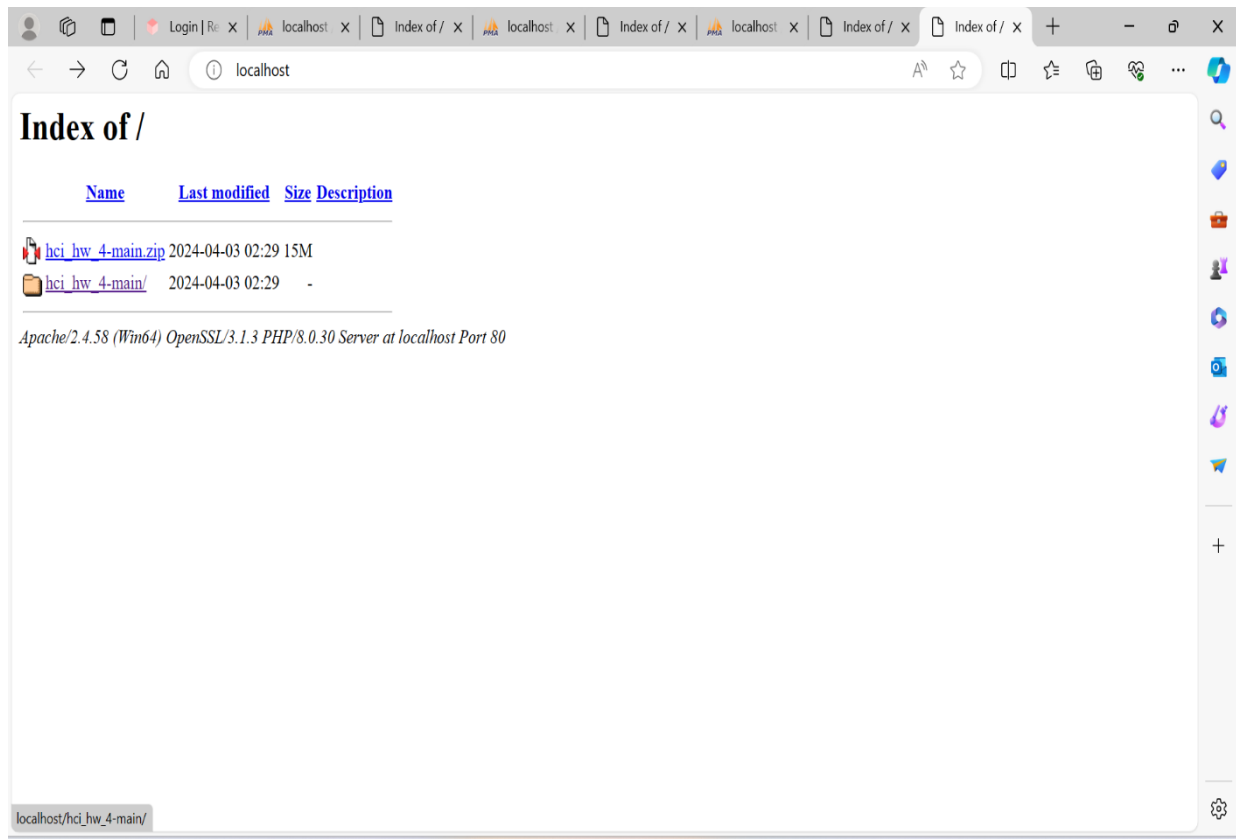
Fig: Link 1
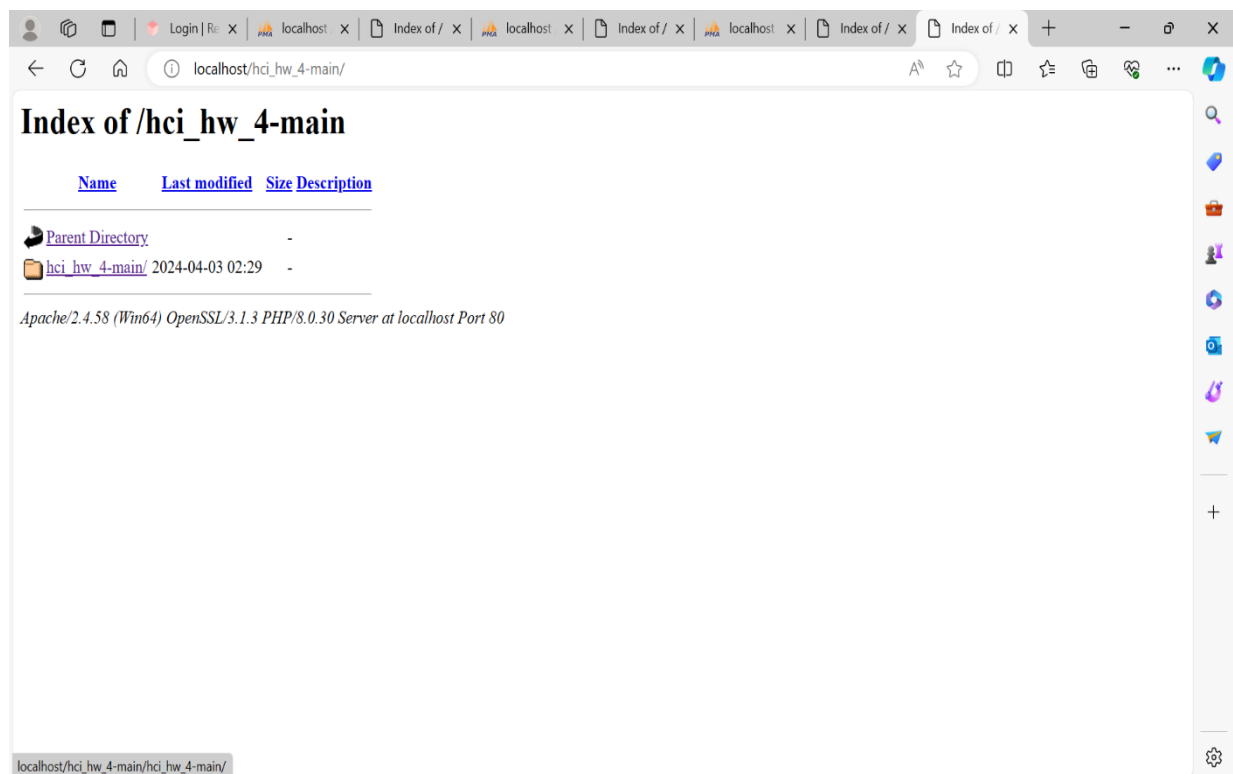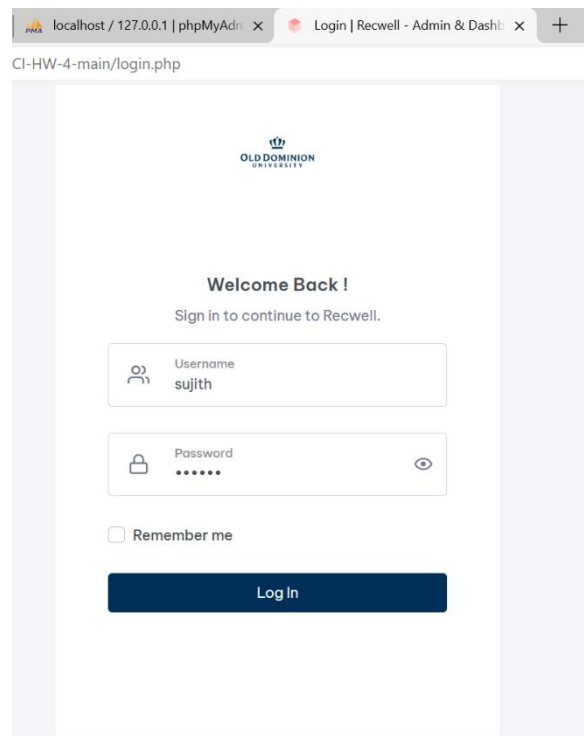
Fig: Link 2

Step – 6: You will be directed to ODU Recwell sign in portal, please sign in with the username Sujith and the password will autofill itself for now.

Below page opens, you can select the sport you want to play and click on Book Now.
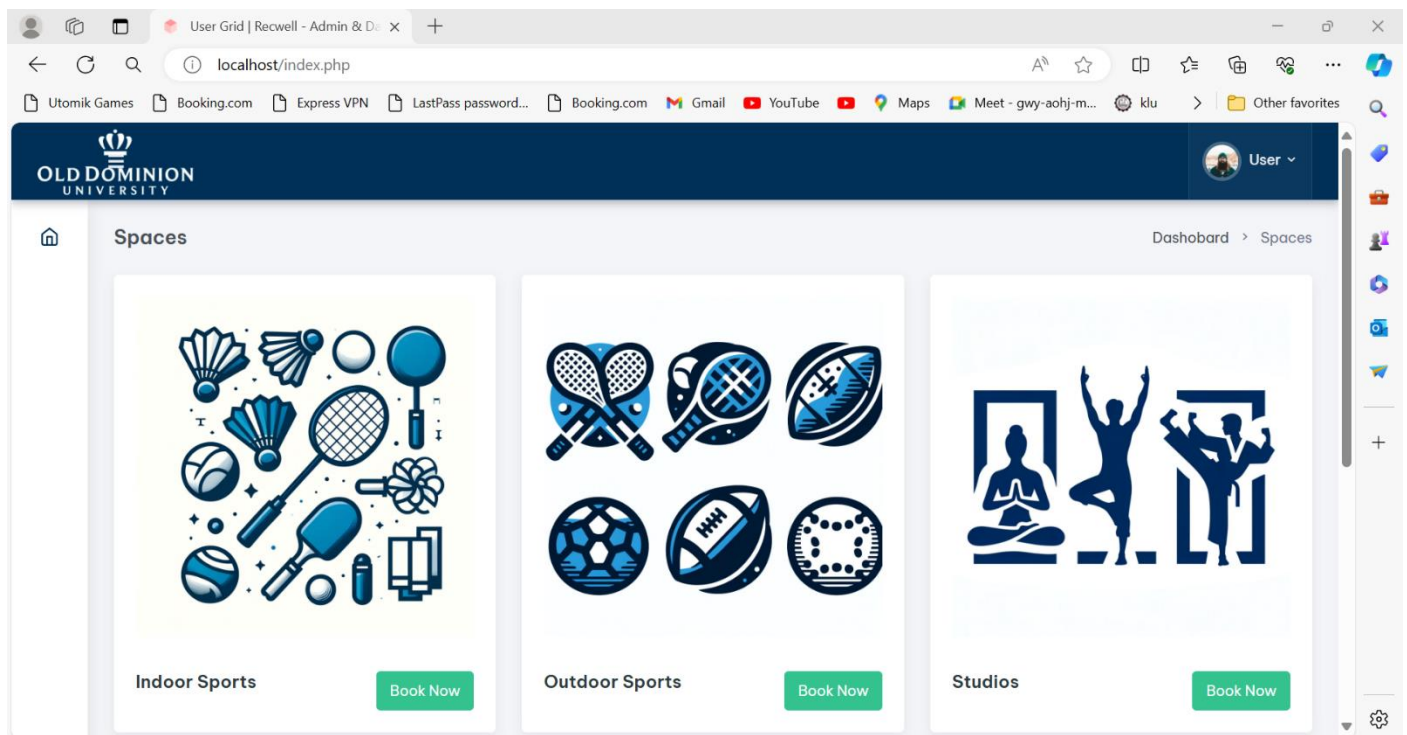
Step – 7: Select the time and type of court

Step – 8: Give your detail and book an appointment and click on reserve. And your appointment is successful.
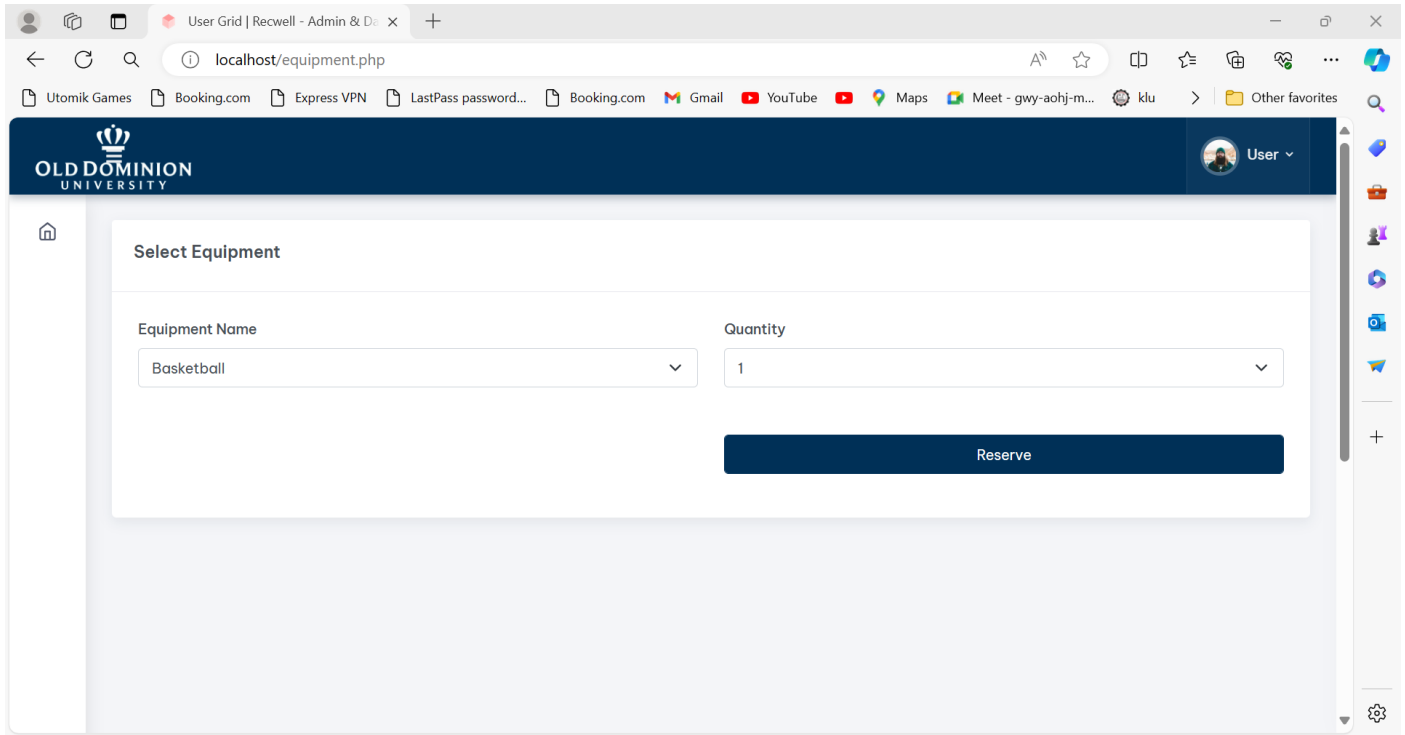
Step – 9: You will get a confirmation like the below, and then you are all set.