

HCI-HW3

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Overview:

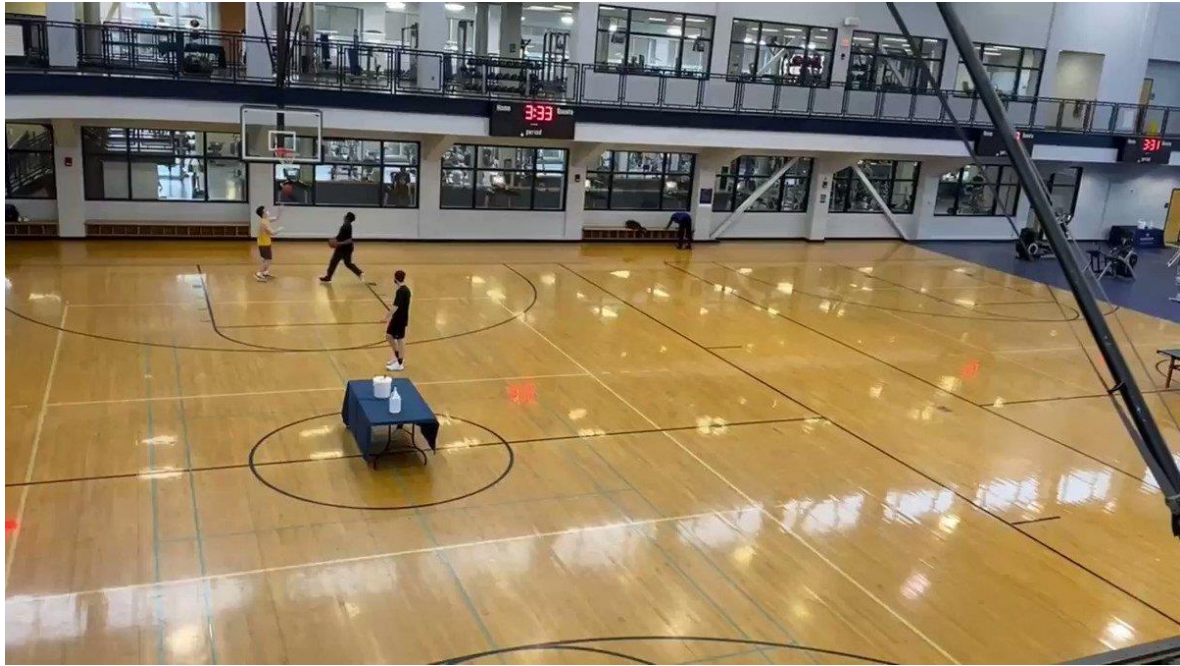
- This task focuses on the issue of reserving courts in the recreation center for sports—a problem the author has frequently encountered.
- The document highlights the difficulty students face in using sports facilities, such as insufficient courts and the inconvenience of having to reserve them through 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.



Fig. ODU Recwell center

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.




Persona:

Sample screenshot of the persona

Rohith Manthana

age: 24
residence: Norfolk, Virginia
education: Master's in Computer Science
occupation: Student worker at Aramark
marital status: Single



A quote from to help define their voice and personality.

A quick summary of behaviors and practices like how he/she spends their day.

Comfort With Technology

INTERNET

SOFTWARE

MOBILE APPS

SOCIAL NETWORK

Criteria For Success:

What's needed in order to make him or her feel successful.

Needs

- Specified time to play

Wants


- Badminton Racquet

Values

- Qualities that he or she values
- High level planning is an example

Fears

- Fears are the things that keep him or her up at night
- This might be something like failure
- But might also have to do with real fear



MOBILITY LABS

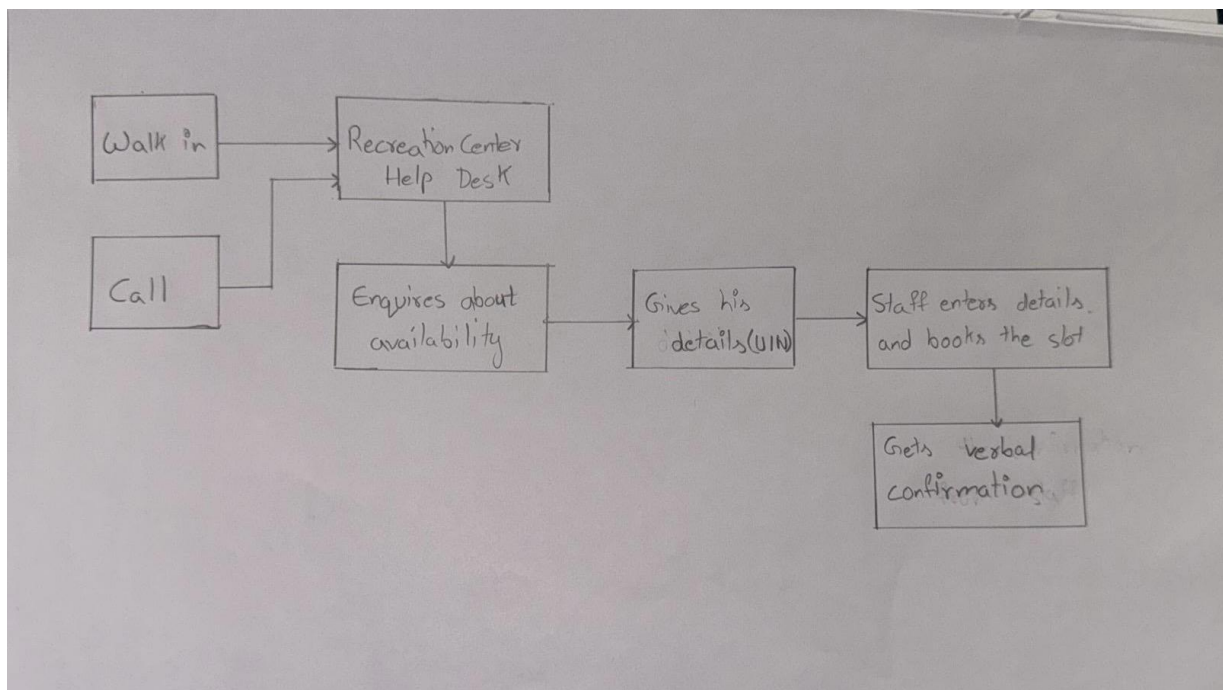
Task Scenarios:

Current Reservation Process:

In the current reservation process the user or the student has two ways to reserve a space. He/She can either walk in or call for reservation.

1. The students walk in or calls the Student Recreation Center.
2. Contacts the helpdesk.
3. Describes about his requirement to the recreation staff.
4. Enquires about the availability.
5. Gives his details like UIN to the SRC member.
6. The help desk staff enters the students details and reserves the slot for the student.
7. The student receives a verbal confirmation from the SRC staff.

Use case diagram for current reservation process:



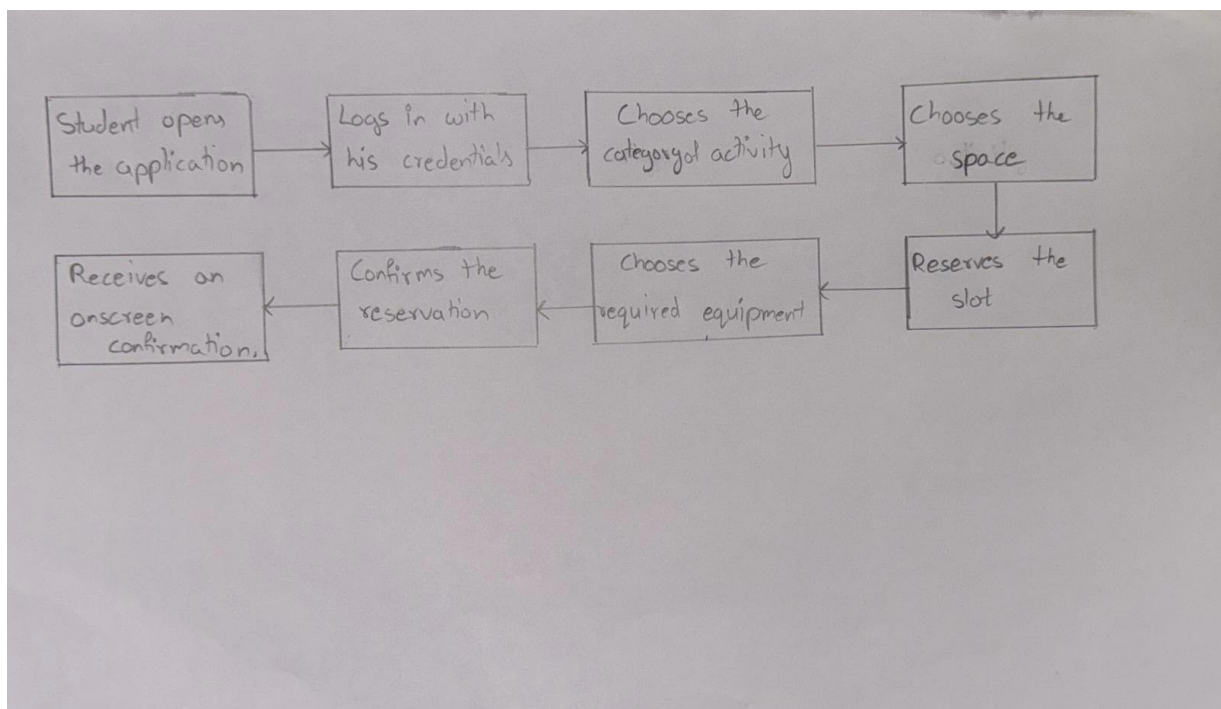
New Reservation Process:

In the new reservation process we will design a webpage to reserve a slot for the user. So that it would be easy for the user or student to reserve a slot and choose the gear or the equipment he requires. Moreover, it also helps to avoid time consumption and there will not be any need for a third person in order to reserve a slot.

1. The student opens the webpage.
2. Logs in with his credentials.

3. Then chooses the category of the activity that he would like to opt for, example: indoor, outdoor.
4. Then chooses the activity that he wants to reserve. (for example: basketball, football, tennis, taekwondo...)
5. Then he will be provided with the time slots.
6. The user chooses the time slots that suits his schedule.
7. Then he will be directed to tother page to choose the gear or the equipment if he needs one (example: racquet, balls...).
8. Then the user confirms his reservation.
9. Receives an onscreen confirmation of the slot along with the details.

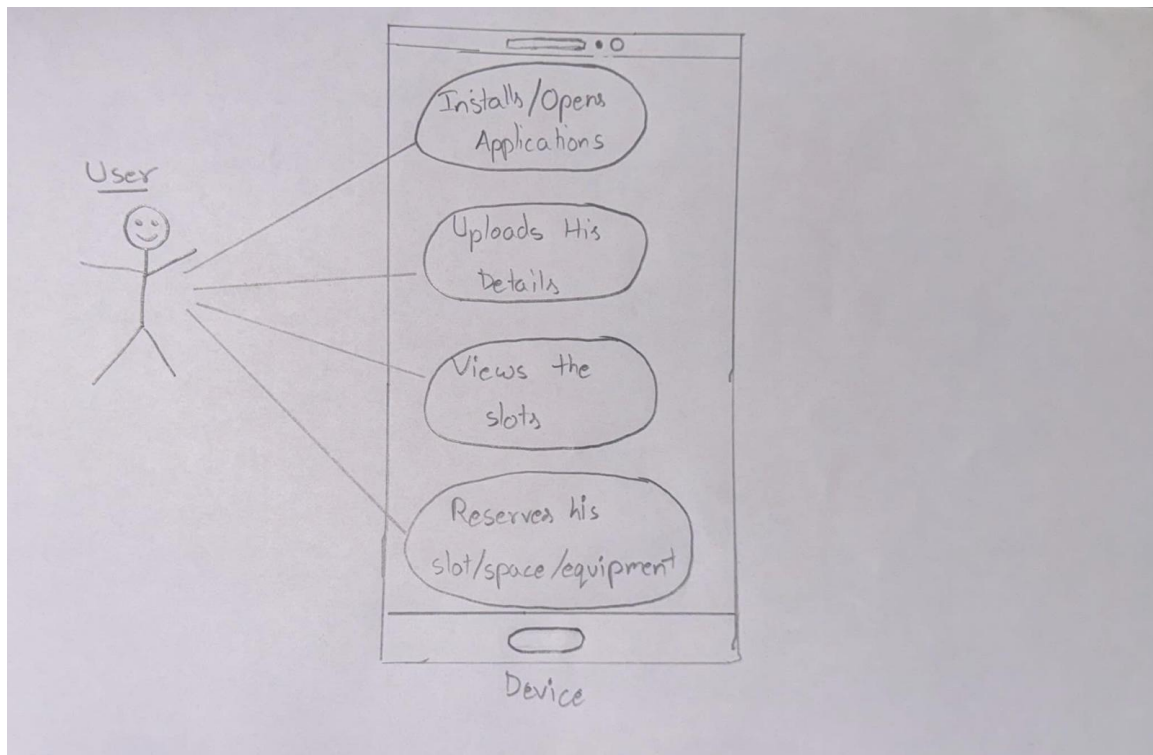
Use case Diagram for new reservation process:



Alternative Courses for the User:

1. The user will be able to book his slot only 3-4 hours prior to his required time.
2. The user will receive a check-in 15 mins prior to his reservation and he will be given a 15 mins grace time after his scheduled time.
3. If the user doesn't show up then he will get a penalty which will lead to a fine on repeating for a couple of times.
4. The user has to cancel his reservation 15 mins prior to his scheduled time to avoid penalties.

Use case Diagram:



Low-Fidelity Prototype

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

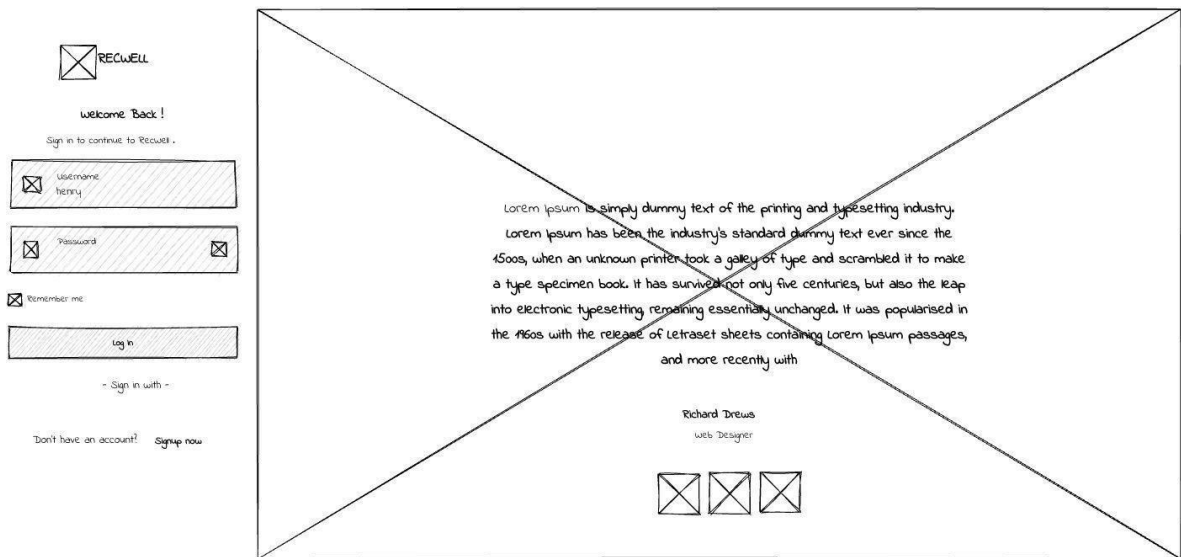
Home Screen: Where users start their journey, featuring a login or registration option.

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

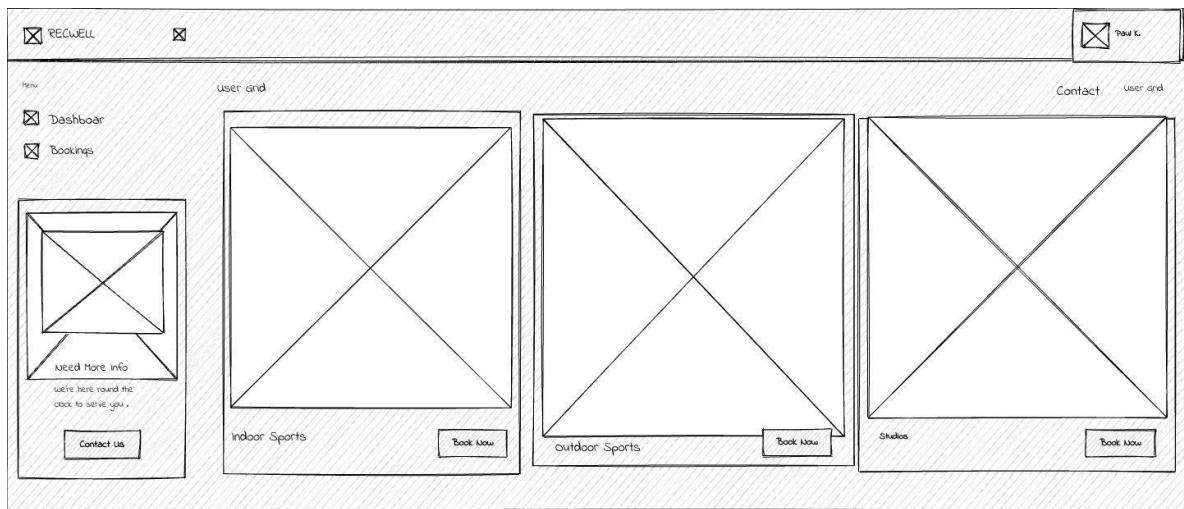
Feedback System: A feature for users to report issues or provide suggestions, ensuring the application evolves according to user needs.

Wireframe

1. Login page of the webpage.



2. Options for categories of the activities.



3. List of Activities page

RECWELL

Paul K.

Menu

- Dashboard
- Bookings

Need More Info

we're here round the clock to serve you.

Contact Us

Indoor Sport Spaces

Basketball Court Recreation Center

☒ Next 04/12/2024 to 04-12 PM

Court 1

Book NowDetails

Basketball Court Recreation Center

☒ Next 04-20/2024 PM-4 PM

Court 2

Book NowDetails

Basketball Court Recreation Center

☒ Next 05/24 9 PM-11 PM

Court 3

Book NowDetails

4. Slot reservation page.

RECWELL

Paul K.

Menu

- Dashboard
- Bookings

Need More Info

we're here round the clock to serve you.

Contact Us

Book Appointment

First Name

Suyth Varma

Last Name

Suyth Varma

URI

04051831

Start Date and Time

04/14/2024 04:45 PM

Duration

Select

Next

7. Equipment or gear reservation page.

RECWELL

Paul K.

Menu

Dashboard

Bookings

Need More Info

we're here round the clock to serve you.

Contact us

Select Equipment

Equipment Name

Select

Select

Volleyball

Basket Ball

Volley Ball

Quantity

Select

Reserve

8. Confirmation page

RECWELL

Paul K.

Menu

Dashboard

Bookings

Need More Info

we're here round the clock to serve you.

Contact us

THANK YOU

YOUR RESERVATION IS CONFIRMED !

Make another reservation

9. Signed out Page

Recwell

You are logged out

Thank you for using recwell

Sign in

Don't have an account? Sign up

"I feel confident imposing change on myself. It's a lot more progressing fun than looking back. That's why I utilities enim at malesuada nibh diam on tortor neaded to throw curve balls."

Richard Drews

Web Designer

ODU Recwell court Reservation Guide

Startup Instructions

Step - 1: Click on the portfolio link, then click on HCI it shows a pop up as fig.2 click on code. You will be directed to our webpage.

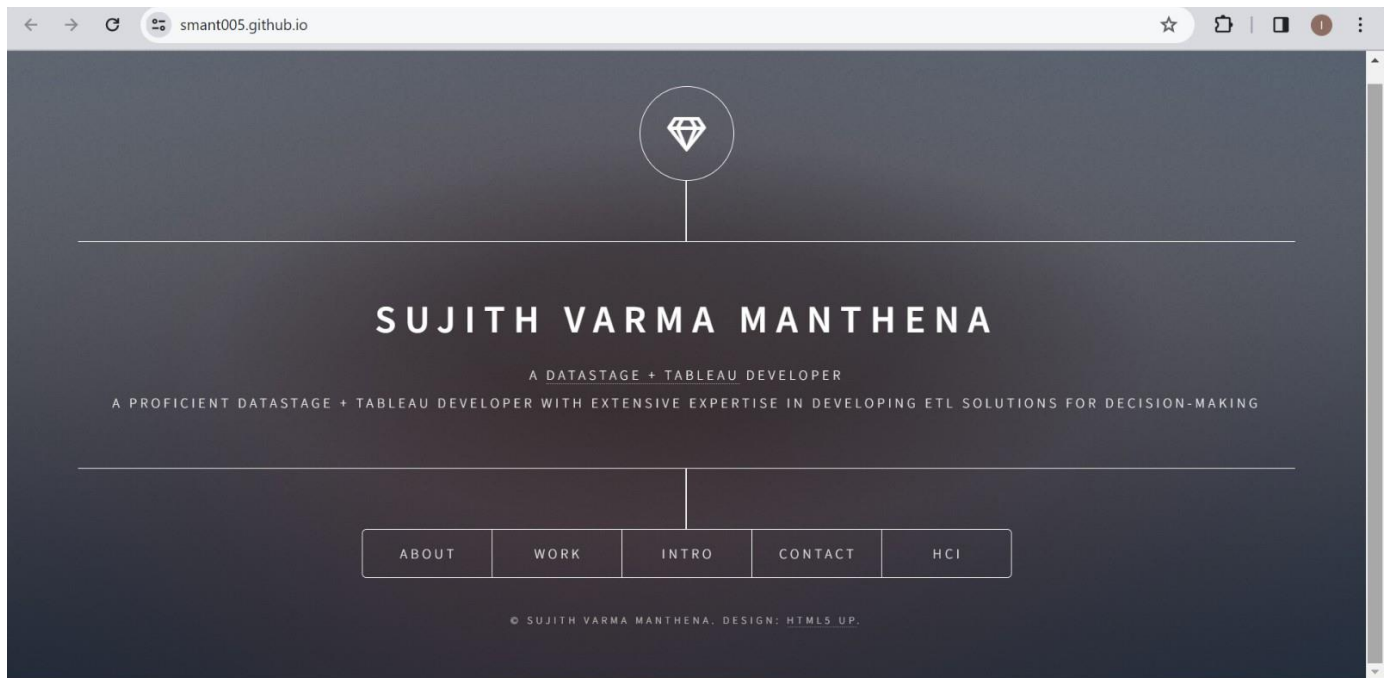


Fig.1

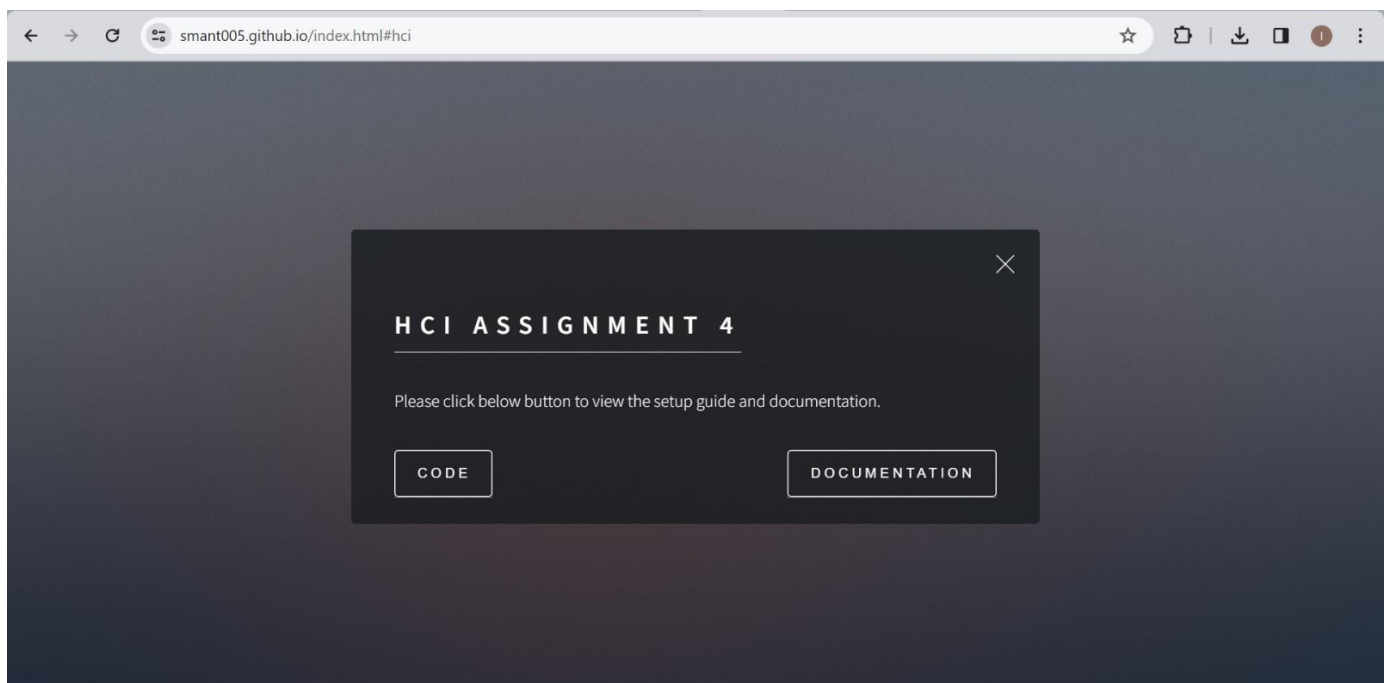




Fig.2



Step – 3: 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.

Cl-HW-4-main/login.php



Welcome Back !
Sign in to continue to Recwell.

 Username
sujith

 Password
***** 

☐ Remember me


Log In


Step – 4: Below page opens, you can select the sport you want to play and click on Book Now.

User Grid | Recwell - Admin & D... x


localhost/index.php

Utomik Games Booking.com Express VPN LastPass password... Booking.com Gmail YouTube Maps Meet - gwy-aohj-m... klu Other favorites

 OLD DOMINION UNIVERSITY


 User v

Spaces Dashboard > Spaces




Indoor Sports

Book Now



Outdoor Sports

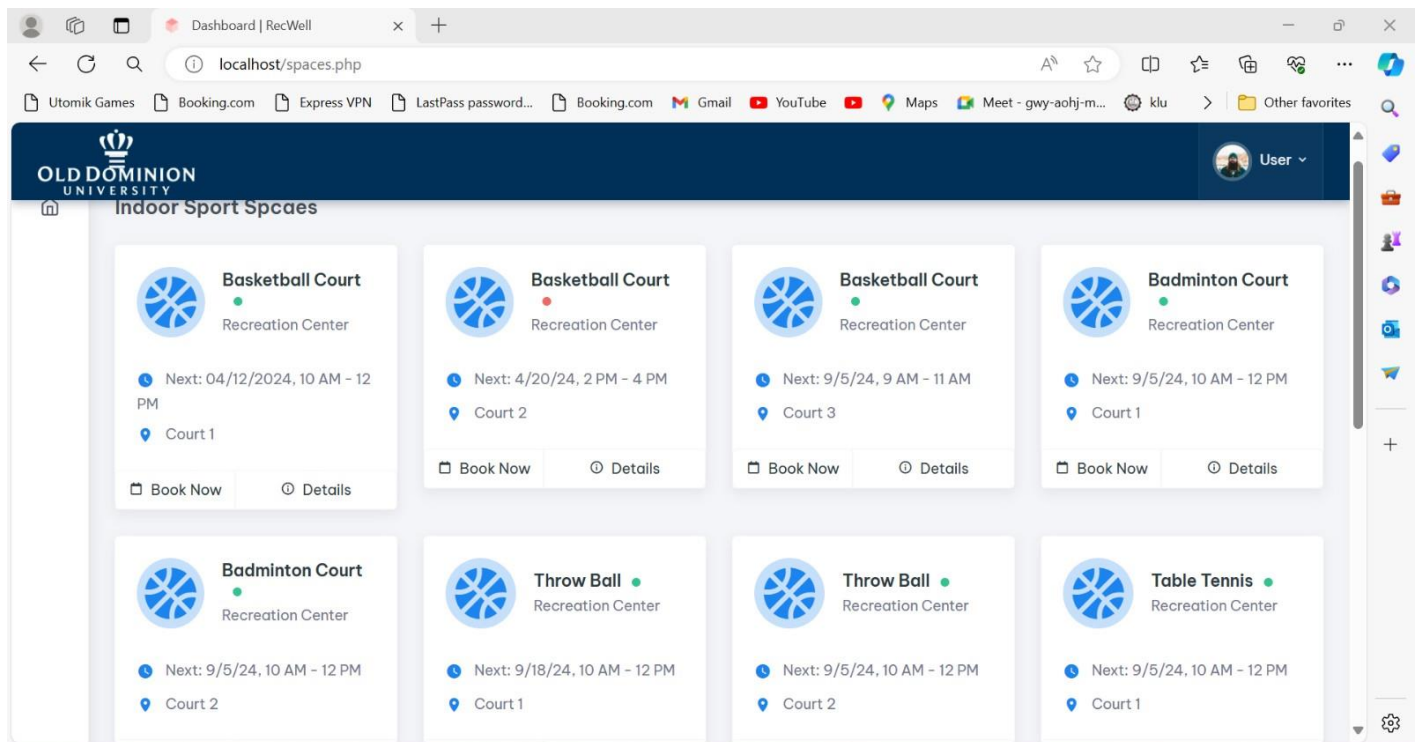
Book Now



Studios

Book Now

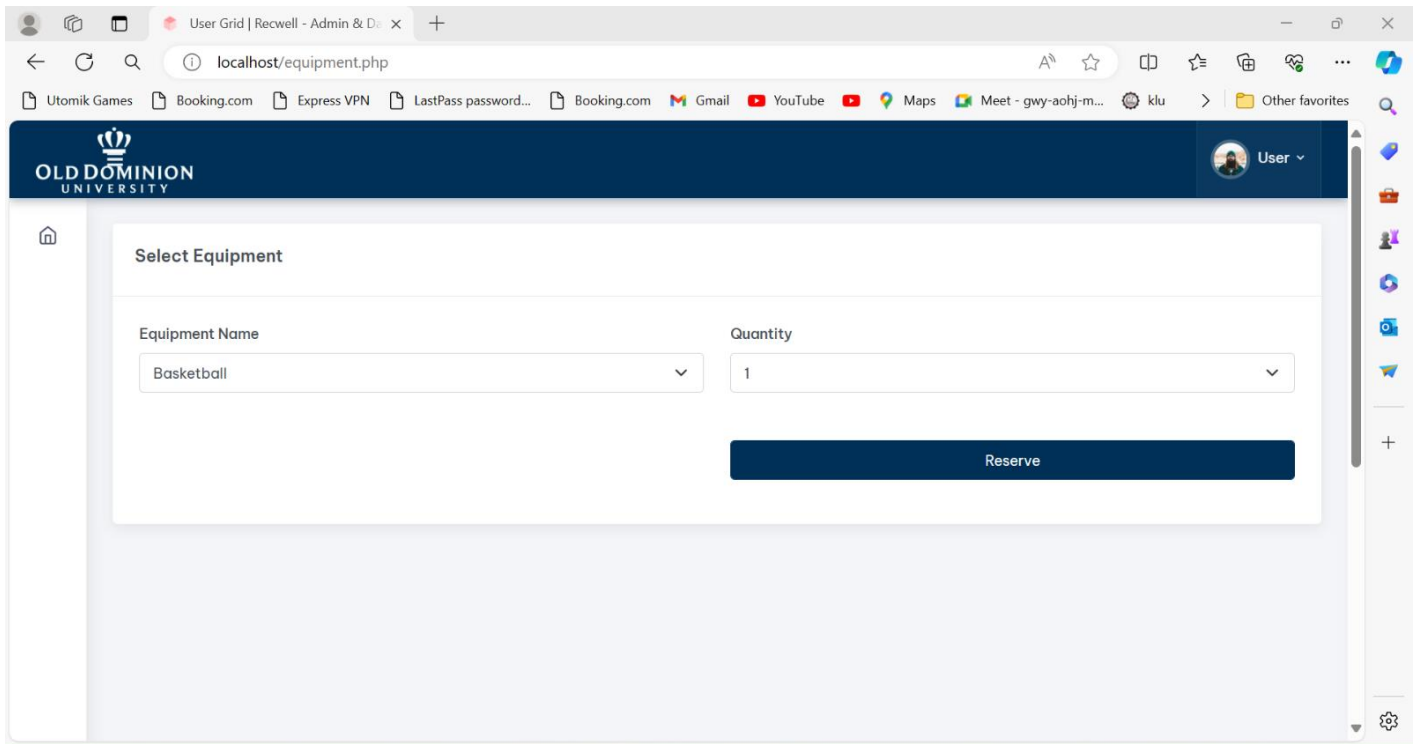
Step – 5: Select the time and type of court



Step – 6: Give your details and book an appointment and click on reserve. And your appointment is successfully booked.

The screenshot shows the 'Book Appointment' form on the Old Dominion University website. The form is titled 'Book Appointment' and contains several input fields for user details. The 'First Name' and 'Last Name' fields are both filled with 'Sujith Varma'. The 'UIN' field is filled with '01259337'. The 'Start Date and Time' field is filled with '19-08-2019 13:45'. The 'Duration' field is a dropdown menu set to '60 Mins'. A 'Next' button is located at the bottom right of the form.

Field	Value
First Name	Sujith Varma
Last Name	Sujith Varma
UIN	01259337
Start Date and Time	19-08-2019 13:45
Duration	60 Mins



Step – 7: You will get a confirmation like the below, and then you are all set.

