**RESERVED ROOM**

**FOR**

**COMPUTER SCIENCE DEPARTMENT**

submitted by

### GOKULNATH S

In partial fulfilment of the requirements for the award of the Degree of

**Master of Computer Applications** from Bharathiar University, Coimbatore.

under the internal supervision of

**Dr.G. Pandiyan, M.Sc., M.Phil., B. Ed., Ph.D.,**

**Associate Professor**



**School of Computer Studies, Department of MCA**

**Rathnavel Subramaniam College of Arts and Science (Autonomous), Sulur, Coimbatore – 641 402.**

**December 2021 – March 2022.**

**RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS AND SCIENCE**

(AUTONOMOUS)

**Sulur, Coimbatore-641 402**

**Department of Computer Applications (MCA) Project work & Viva voce**

*Bona Fide* Certificate

This is to certify that this a *bona fide* record of work done by Mr. / Ms .......................................................................................…………………………..

Register No. during the academic year 2020 – 2021 and submitted for the

End Semester Project viva voce held on ……………….

**HEAD OF THE DEPARTMENT STAFF – IN CHARGE**

**INTERNAL EXAMINER EXTERNAL EXAMINER**

***Certificates***

**Certificate**

This is to certify that the dissertation entitled **RESERVED ROOM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science in partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by **GOKULNATH S** during the period December 2020-March 2021 of their study on MCA in the Rathnavel Subramaniam College of Arts and Science, under my internal supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or other similar title to any candidate of any University.

**Internal Supervisor**

***Declaration***

**Declaration**

We, **GOKULNATH S,** hereby declare that the dissertation, entitled **RESERVED ROOM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science, in partial fulfilled of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by we during the period December 2020–March 2021 under the internal supervision of **Dr.G.Pandiyan, Associate Professor**, Department of Computer Applications and it has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any University.

**Signature of the Candidate**

***Acknowledgement***

**Acknowledgement**

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**GOKULNATH S**

**RESERVED ROOM**

# Abstract

## Abstract

Reserved Room website is used to reserve the room for programme for staffs. The register person can view the time availability of room for the convinces

**Frontend Tools/ Technology Web:** React **Backend Tools/ Technology:** NodeJS **Database Technology:** MongoDB

**Git repository link:** https://github.com/gokulnath0307/Reserved-Room.git

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***Introduction***

## Introduction

This website is developed for propose of reserving the room and allocating the time slot, so we named it as RESERVED ROOM. The major function of the site is booking the room by login. This may help to avoid the overlapping of the programme timing on same moment. It can reduce the manual work of writing and registration. While we can make the reservation on manually, sometimes one or two programme can be booked on same time. To avoid these, our website can be used. In this time slot for the various programme can be allocated, by the previous schedule. This can be useful for the reservation and time allocation of the room.

***Module Description***

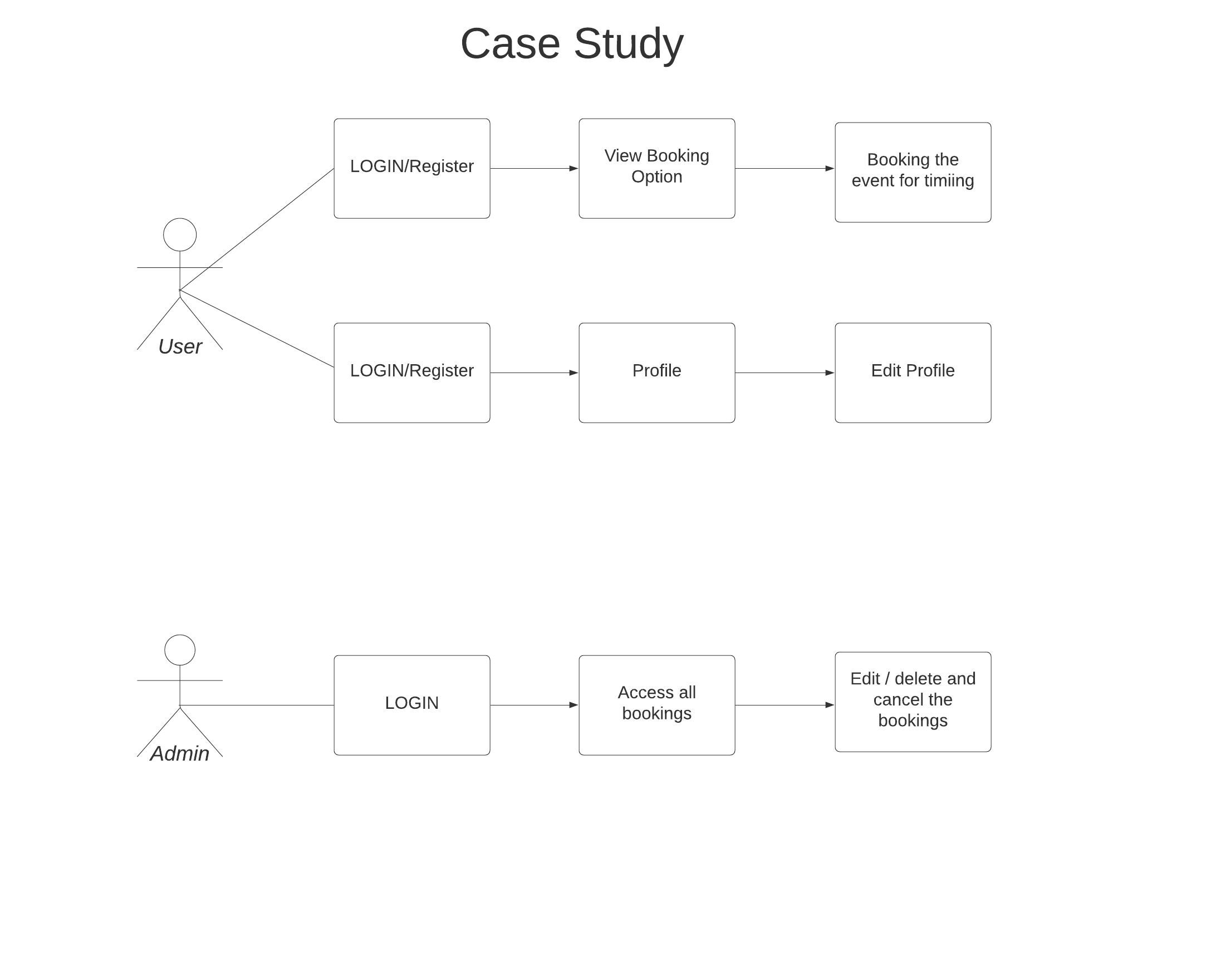
**Module description**

Reserved Room has multiple main module and sub modules and with an admin account one can access all modules and the module in Reserved are as follow,

* **Profile**
* **Profile Edit**
* **Available Time and Date**
* **Information about Booking details**

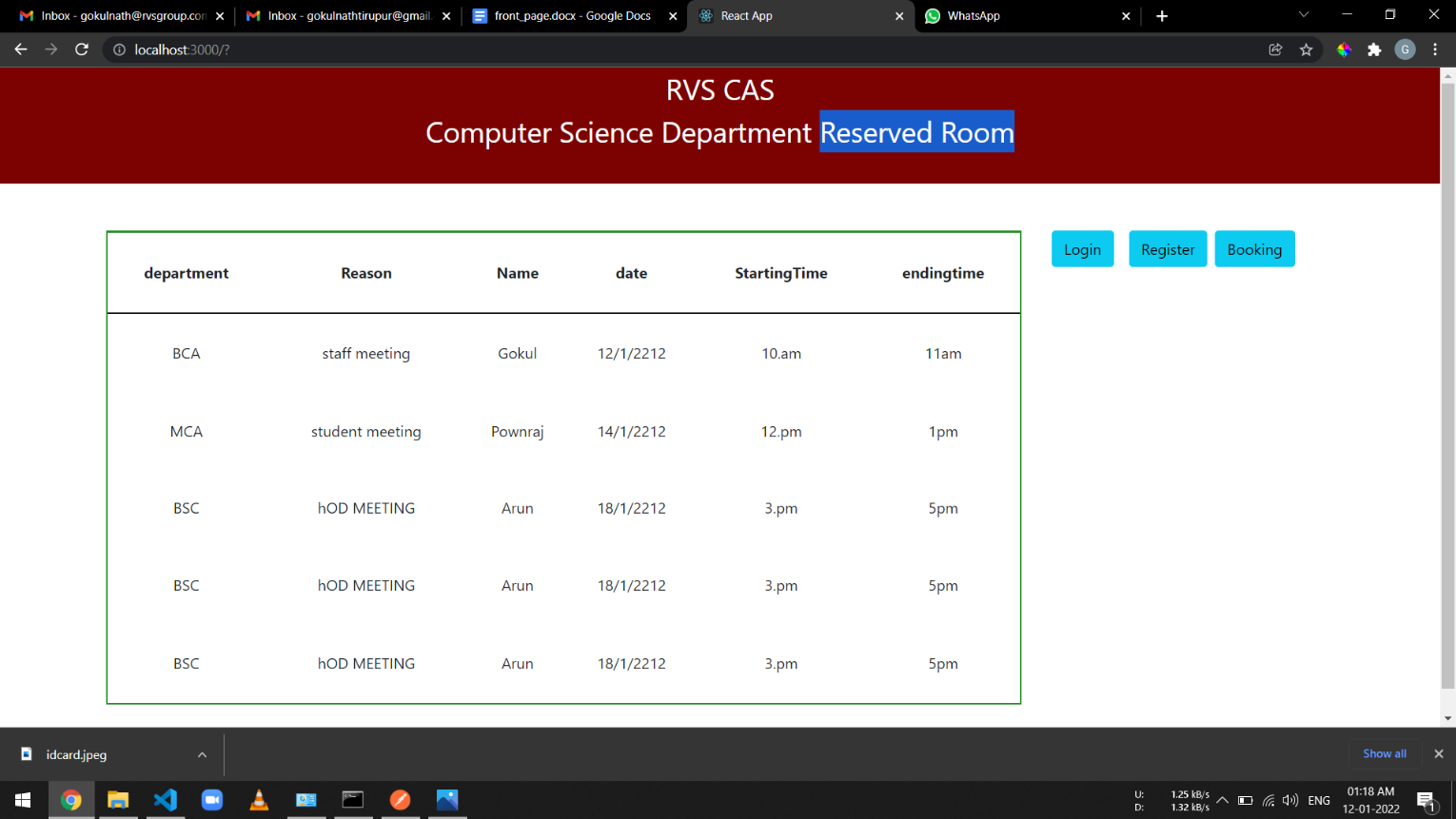
***Use Case Diagram***

**Use Case Diagrams**

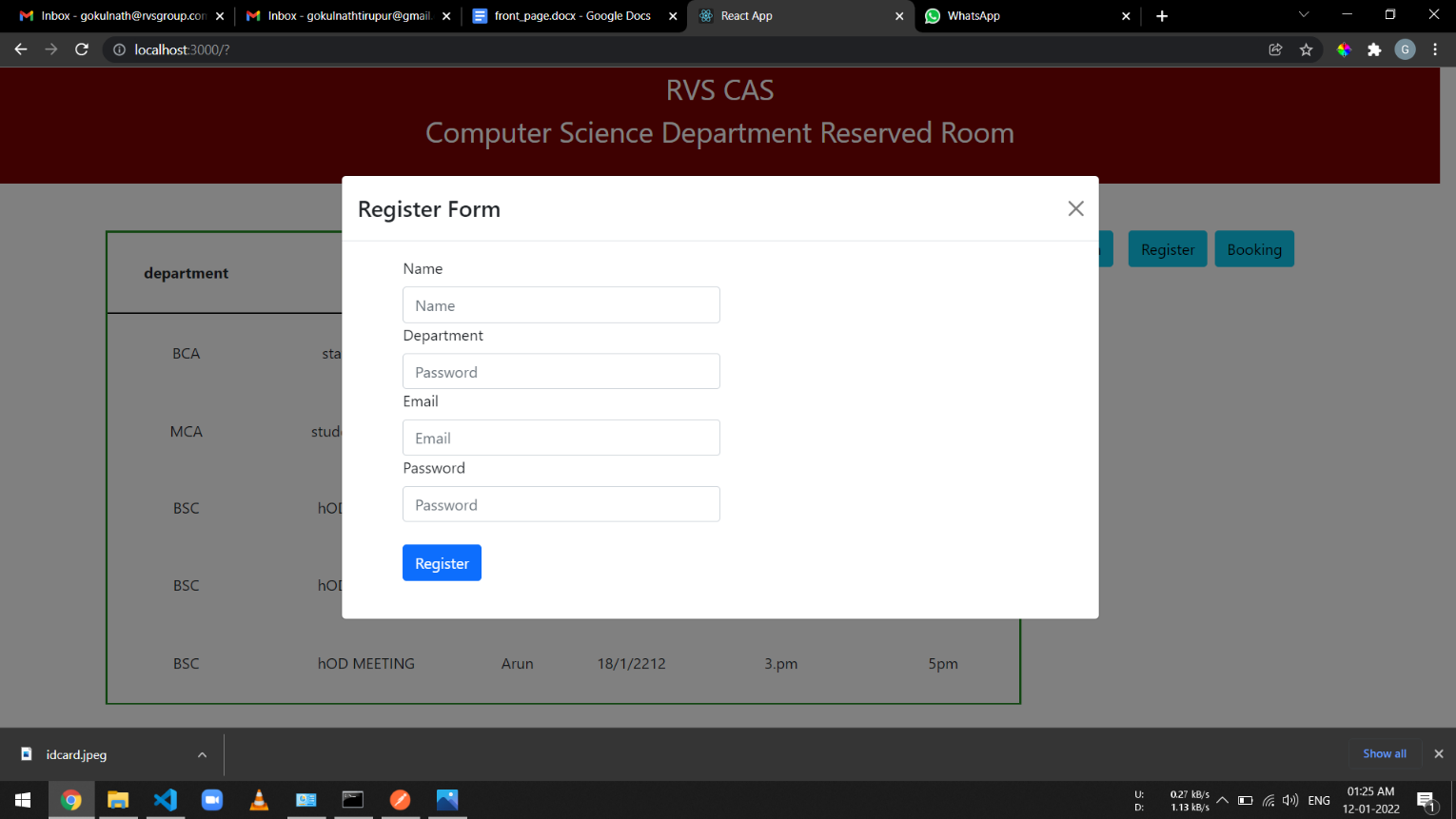


***Designs***

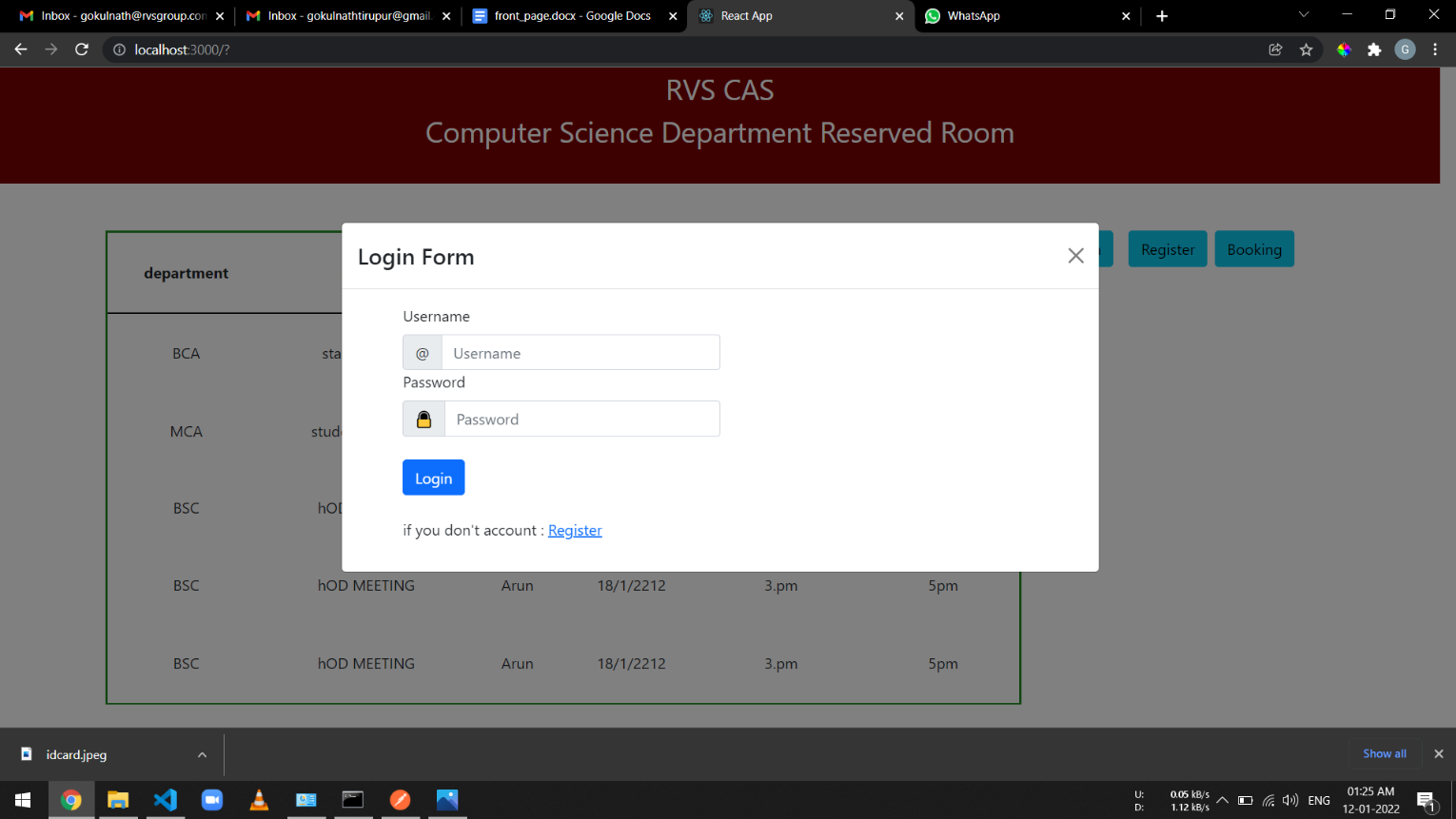
Home Page:



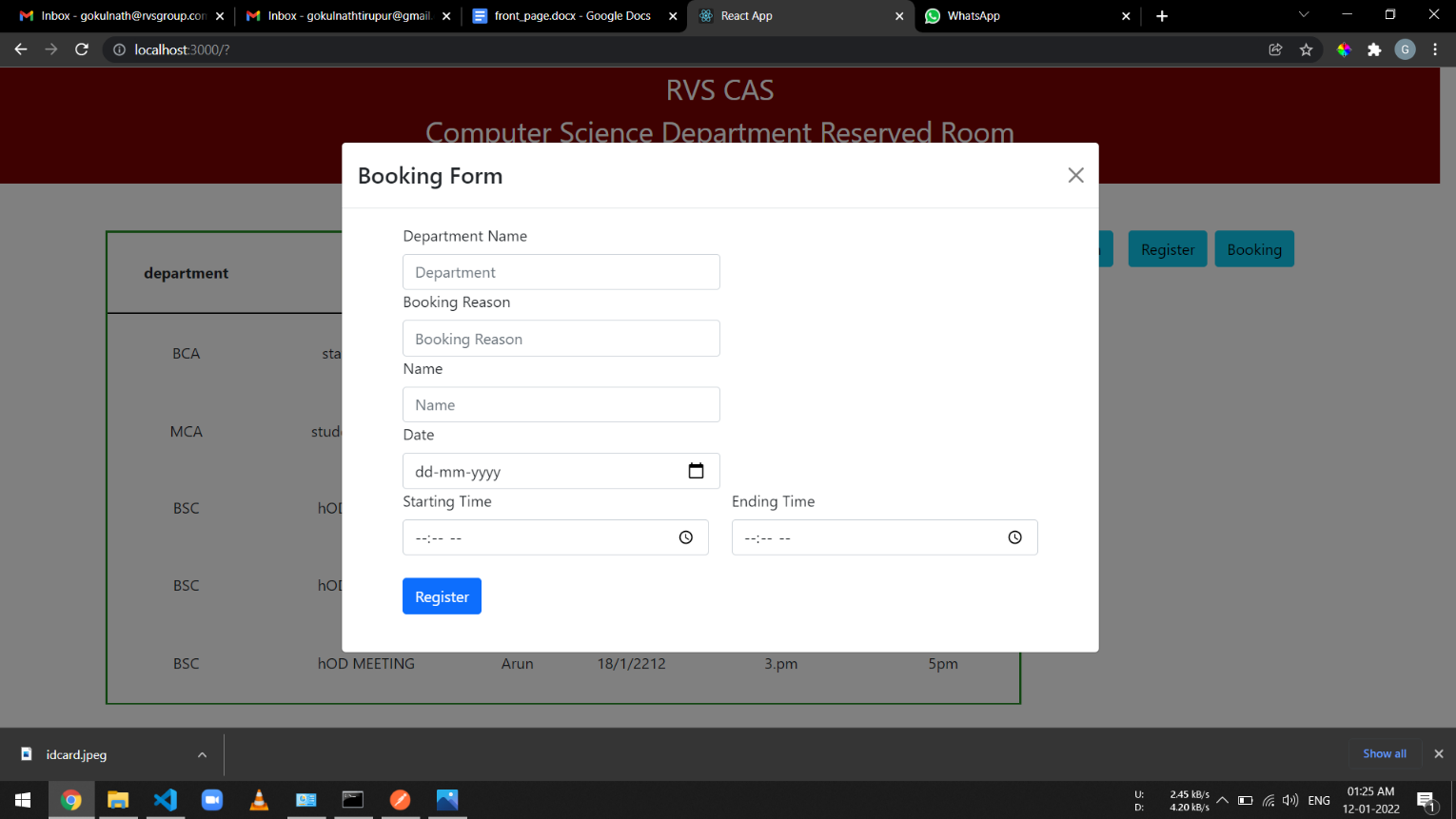
Register Page:



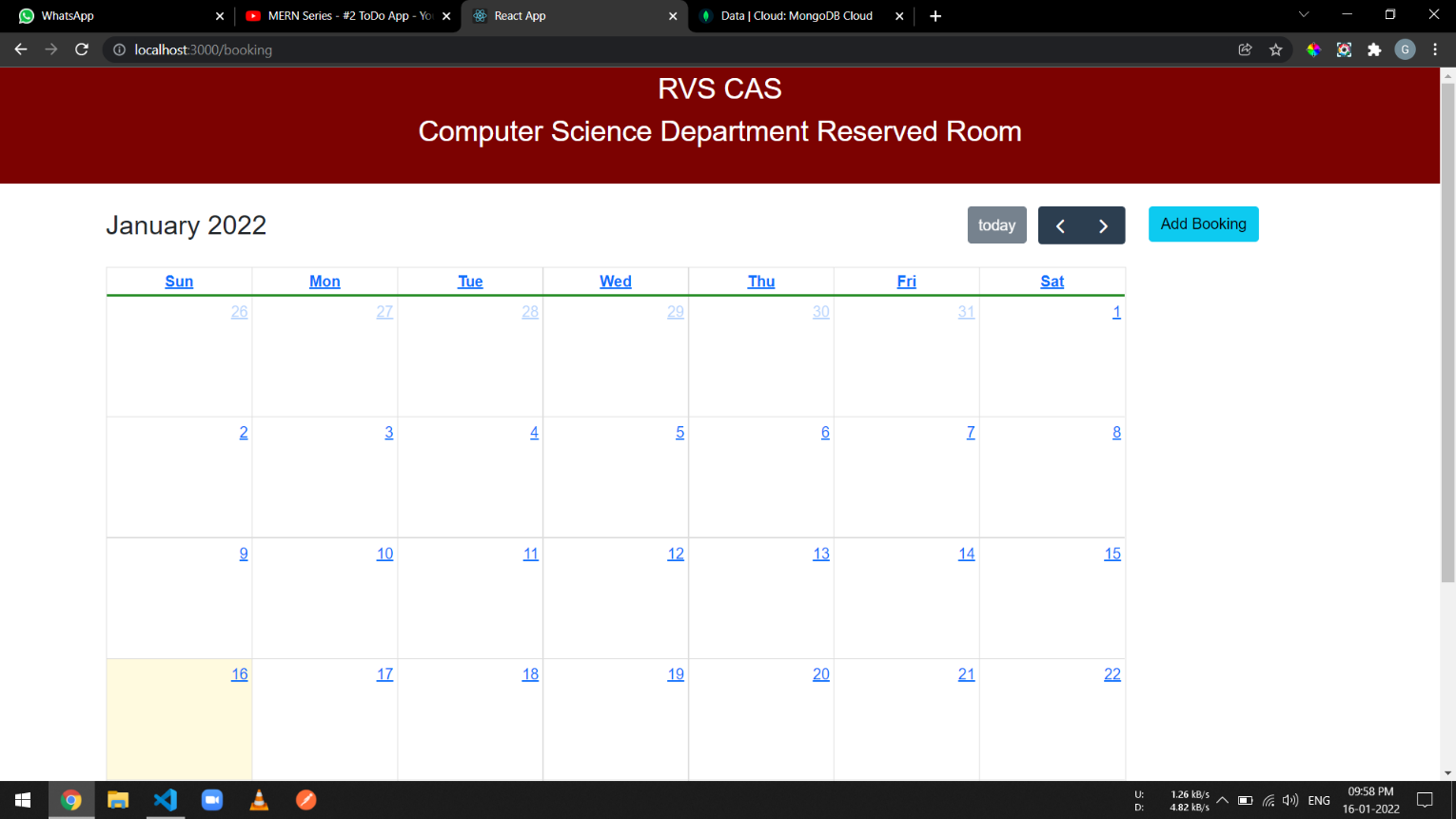
Login Page:



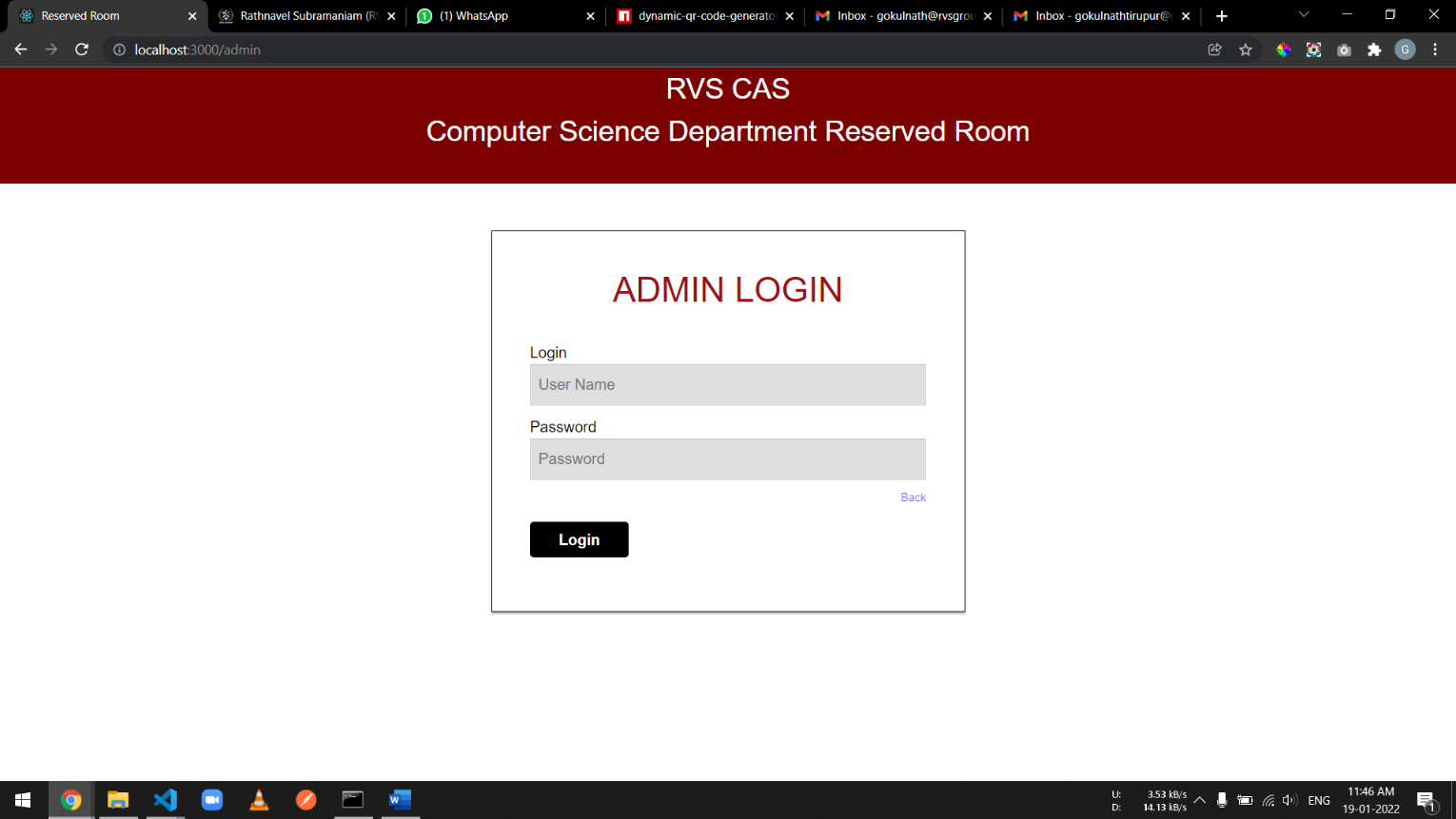
Booking Form Page:



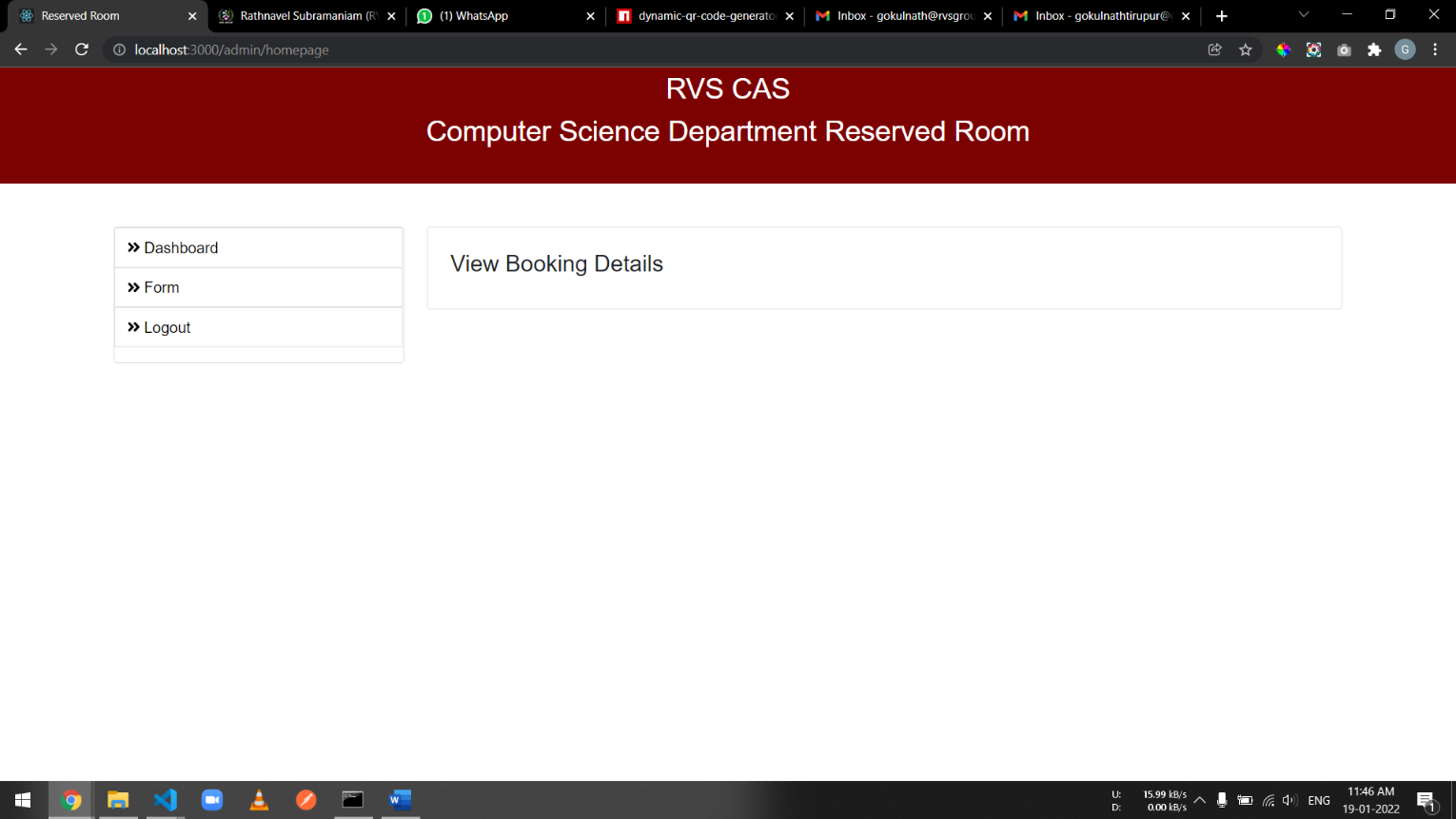
Booking Page:

******

Admin Login page:



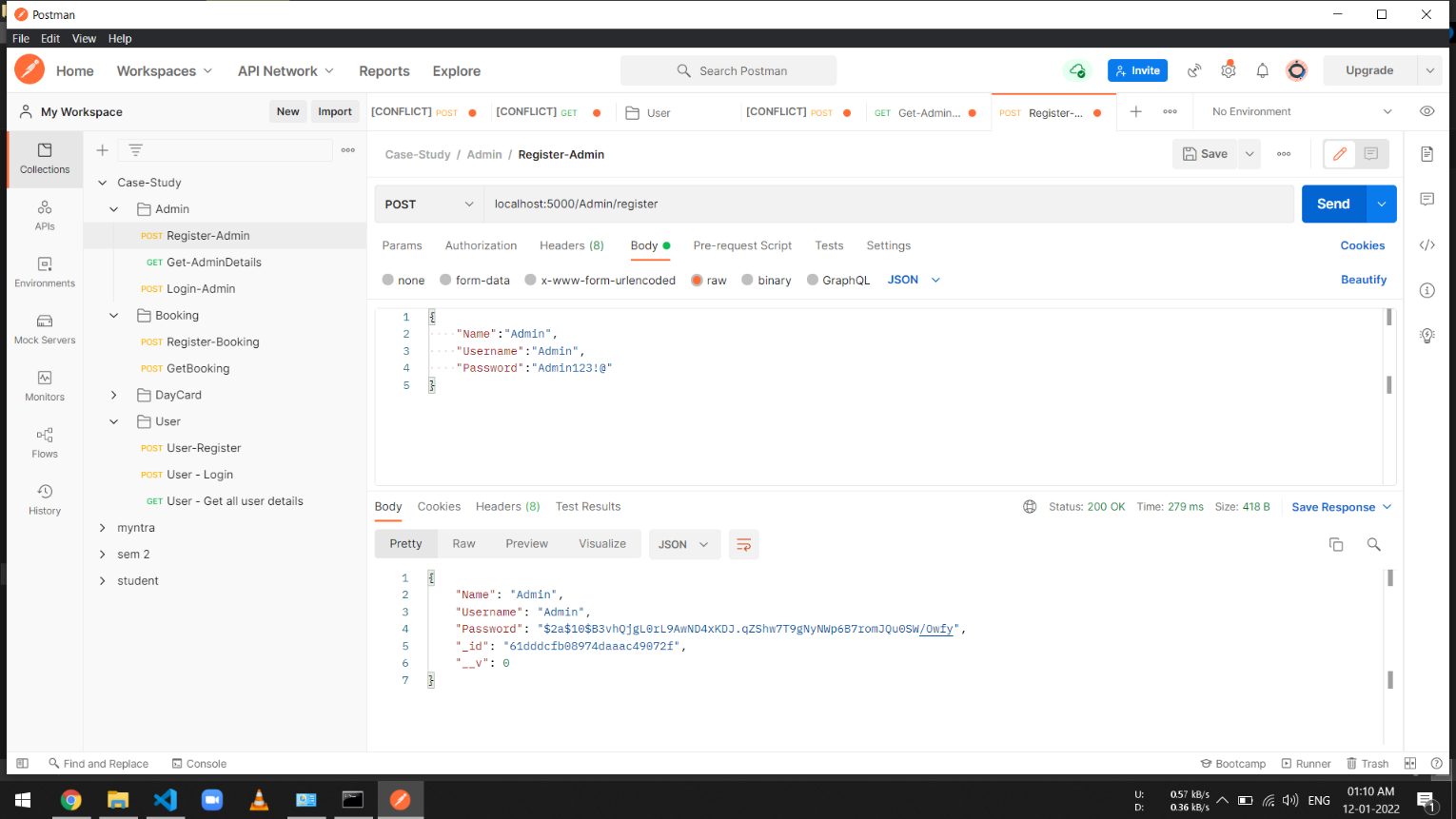
Admin Dashboard Page:



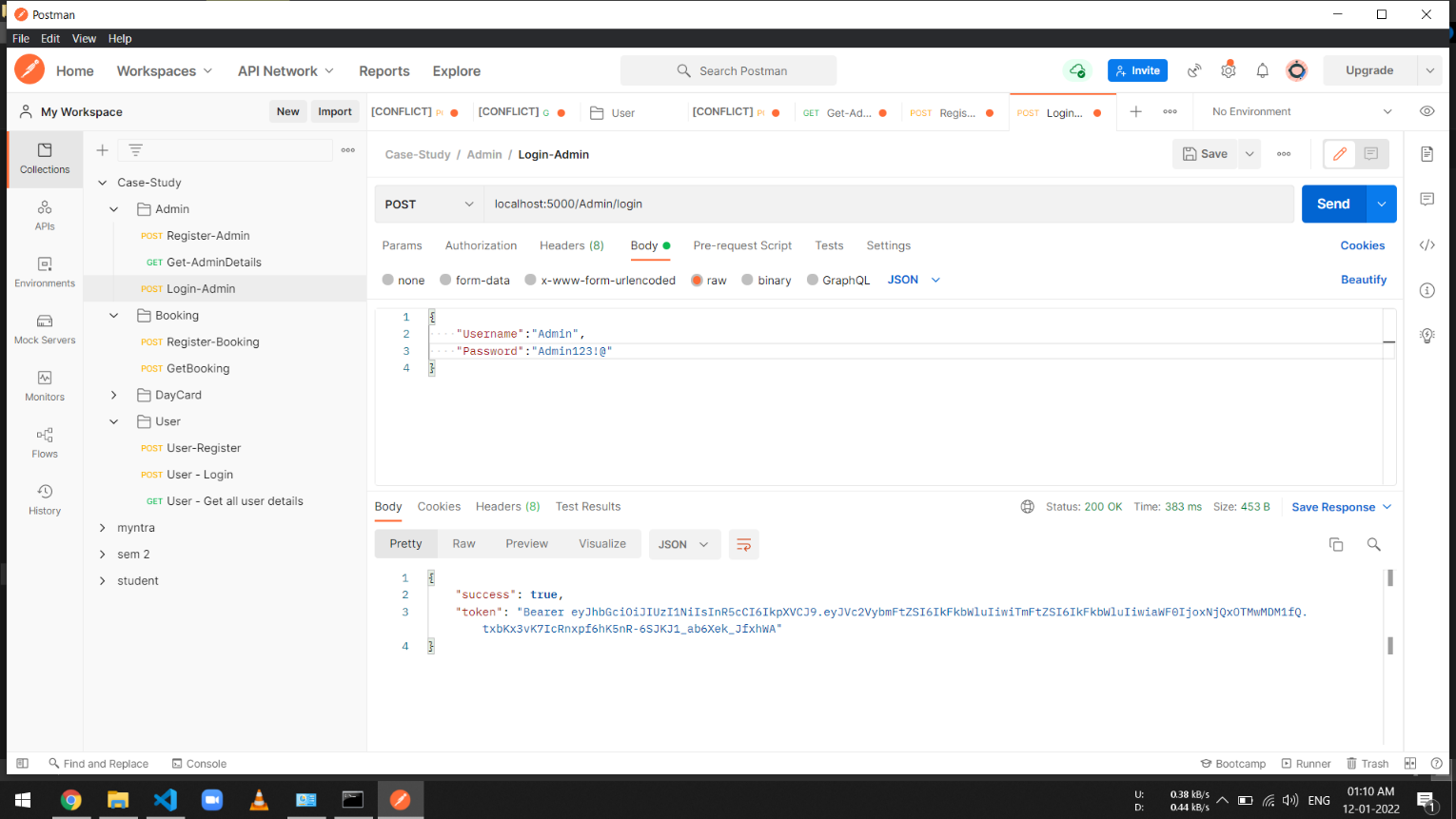
***APIs Testing***

Admin APIs:

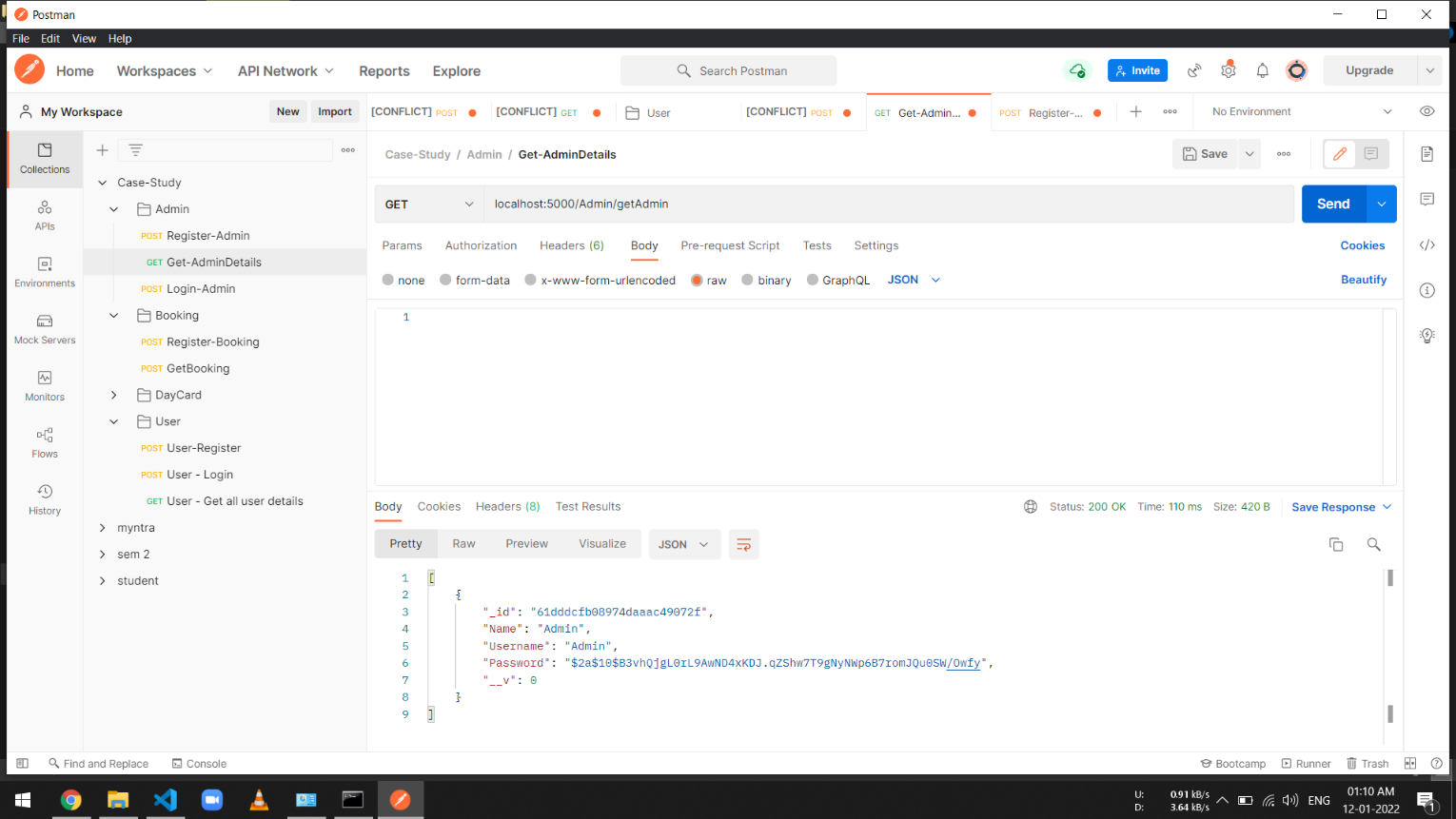
1. Admin Register



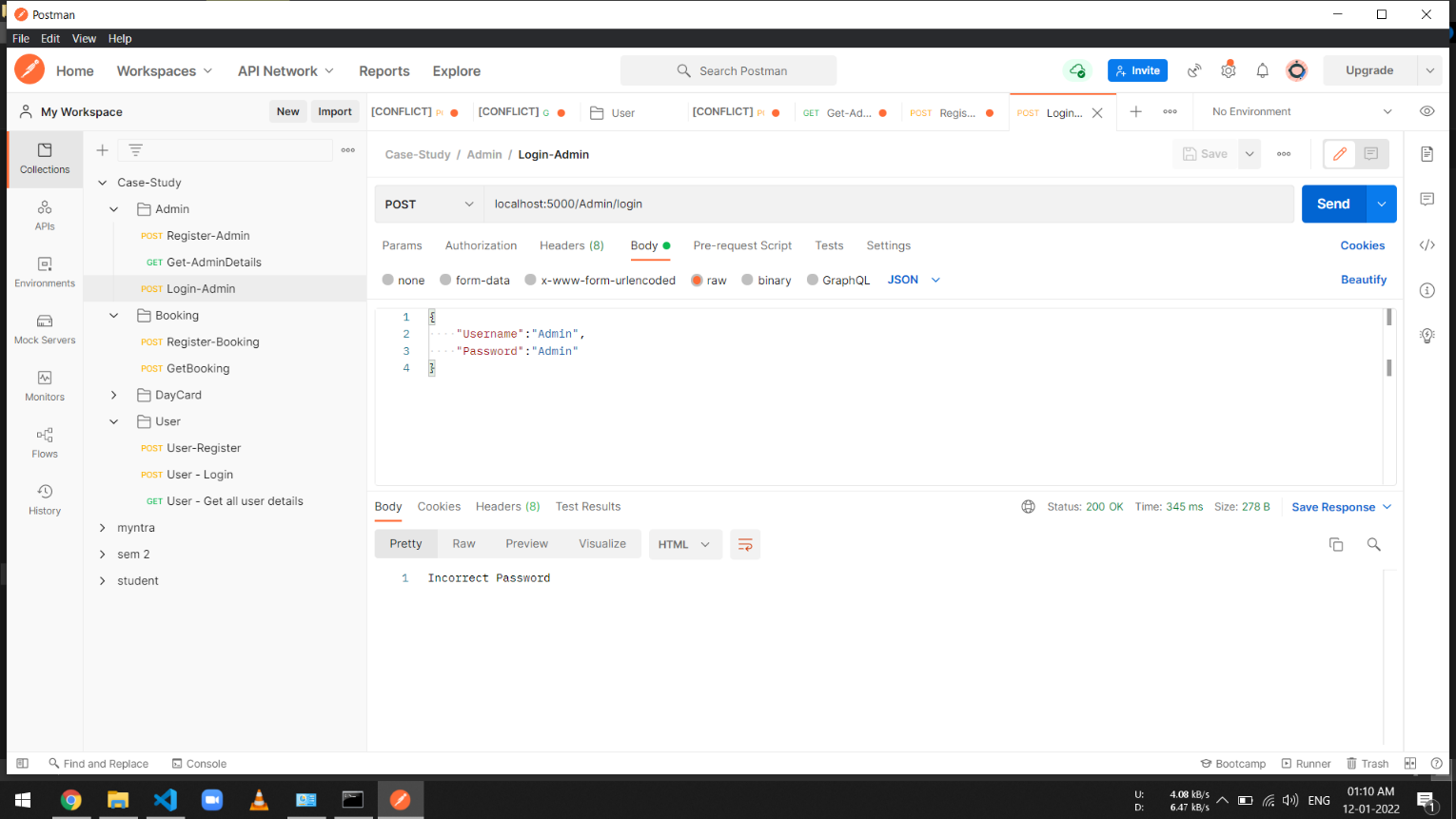
1. Admin Login



1. Admin Details

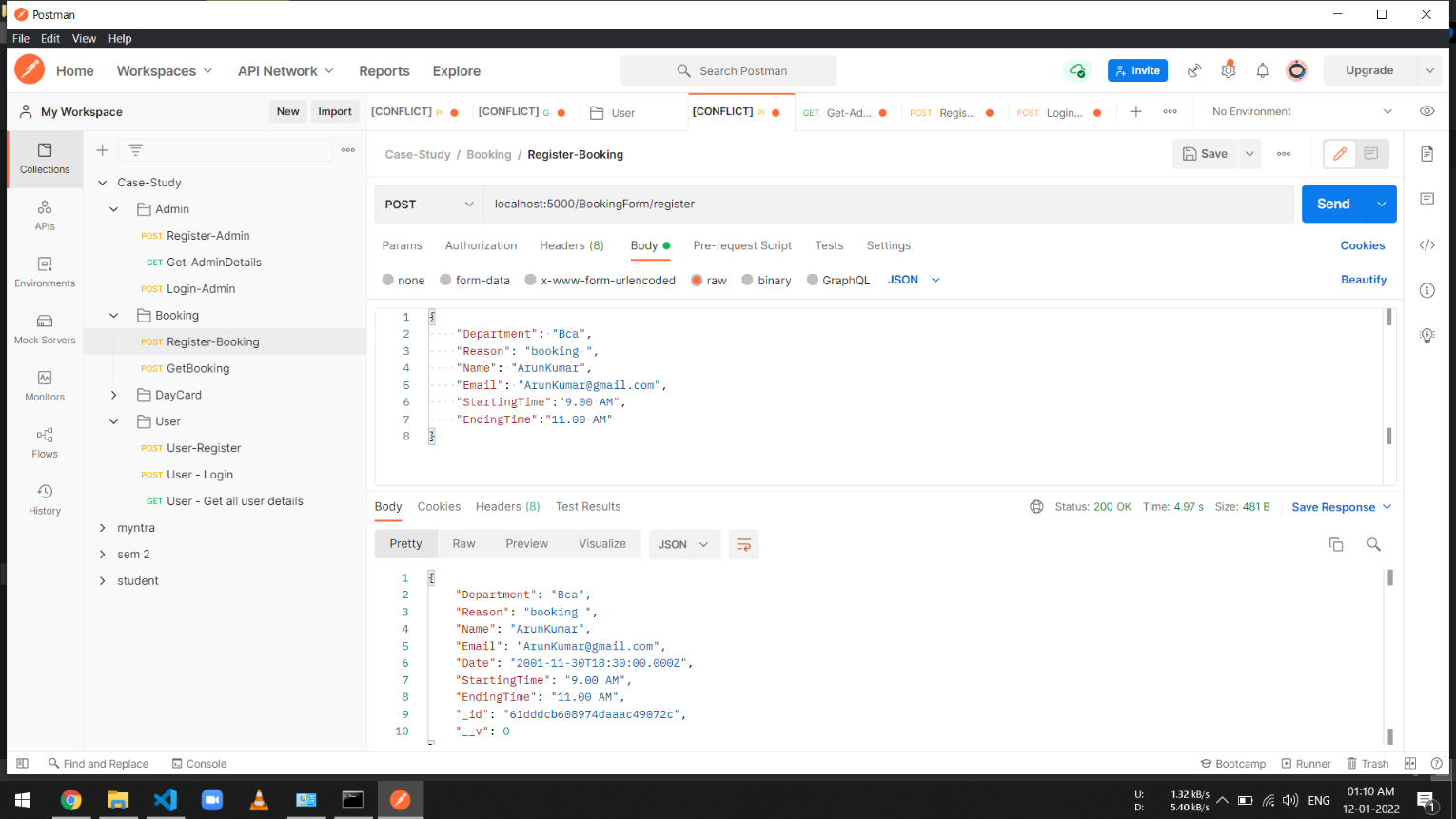


1. Admin Password Error Handling

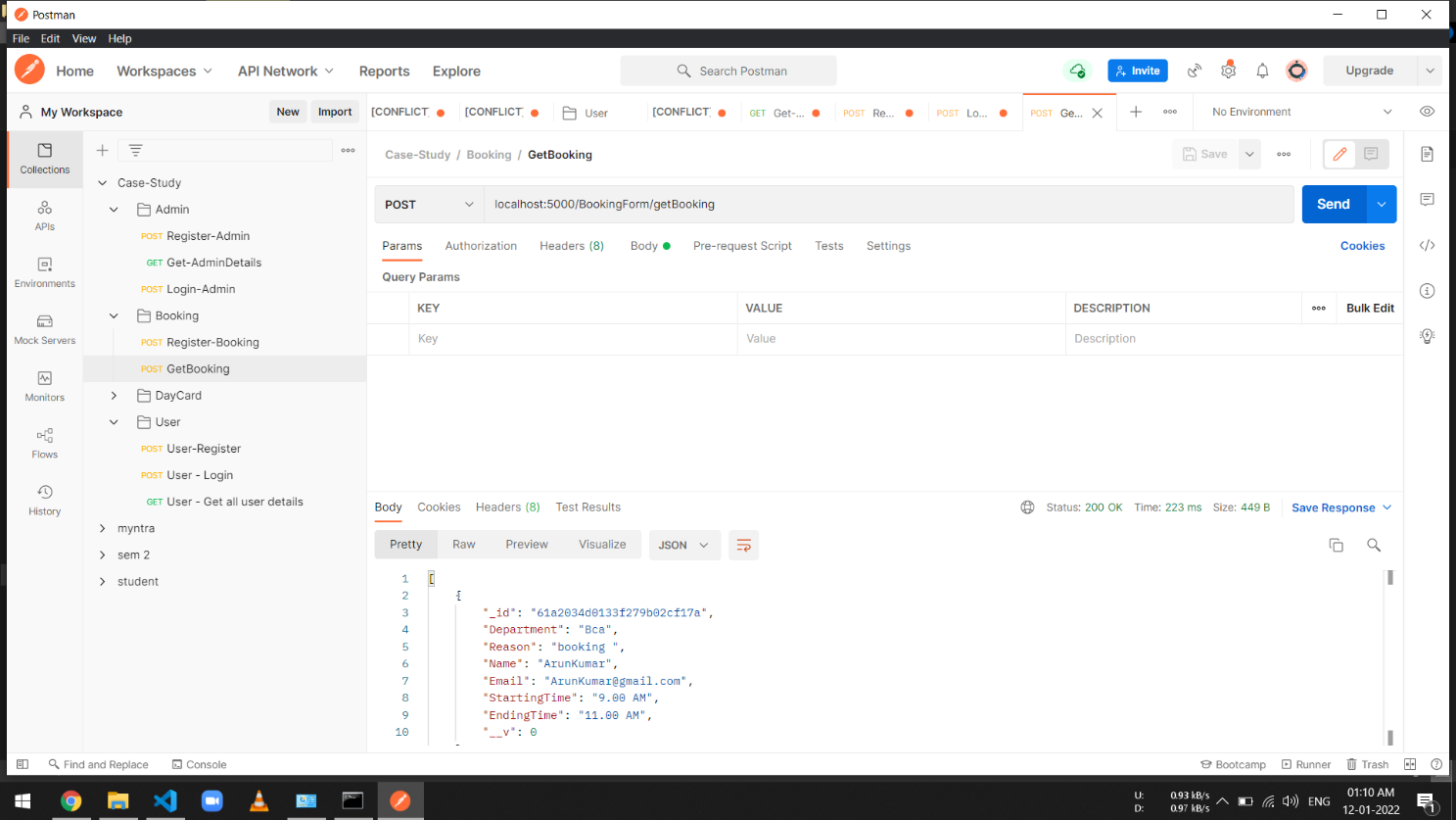


Booking APIs:

1.Booking Register

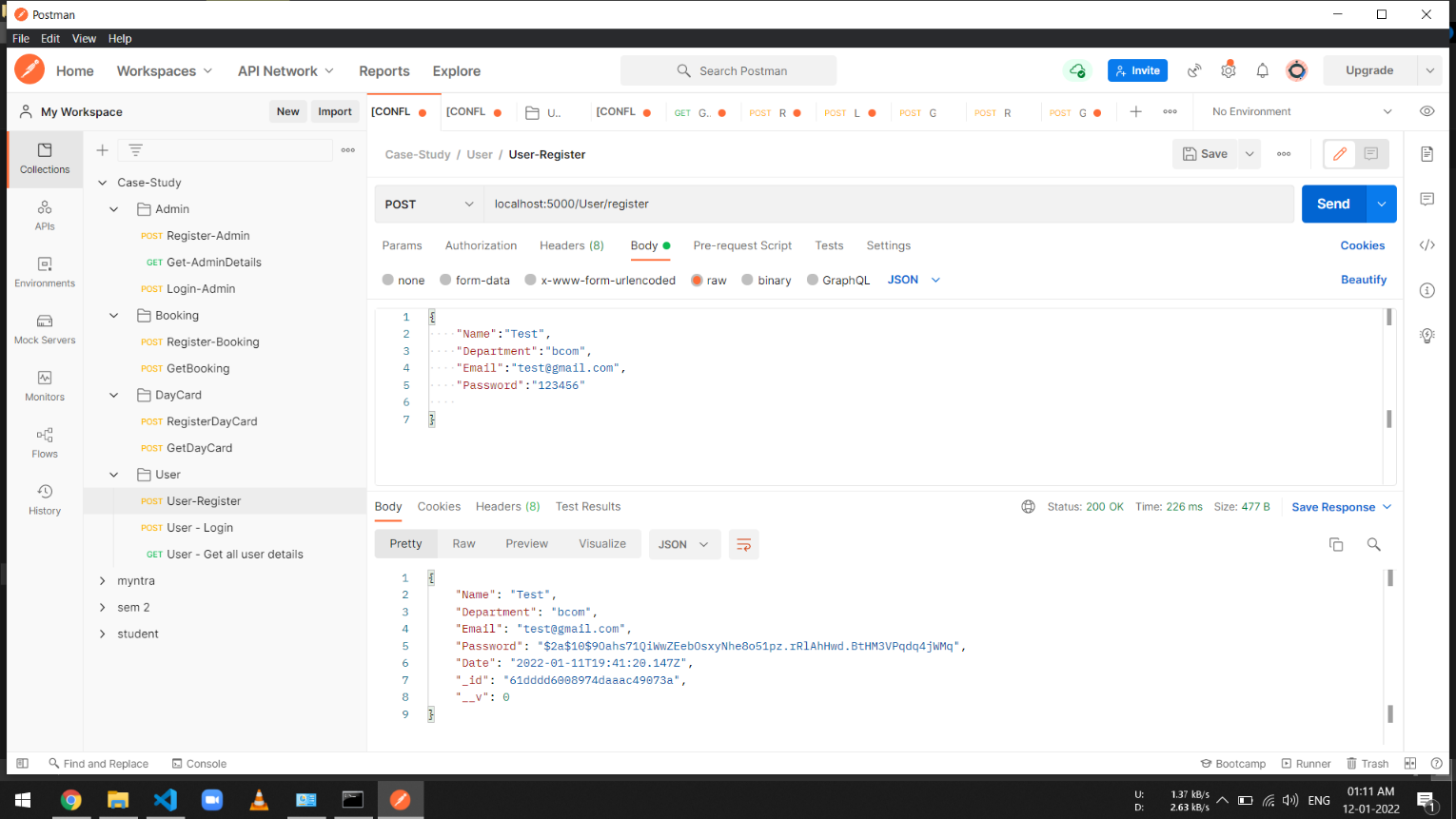


2. Booking Details

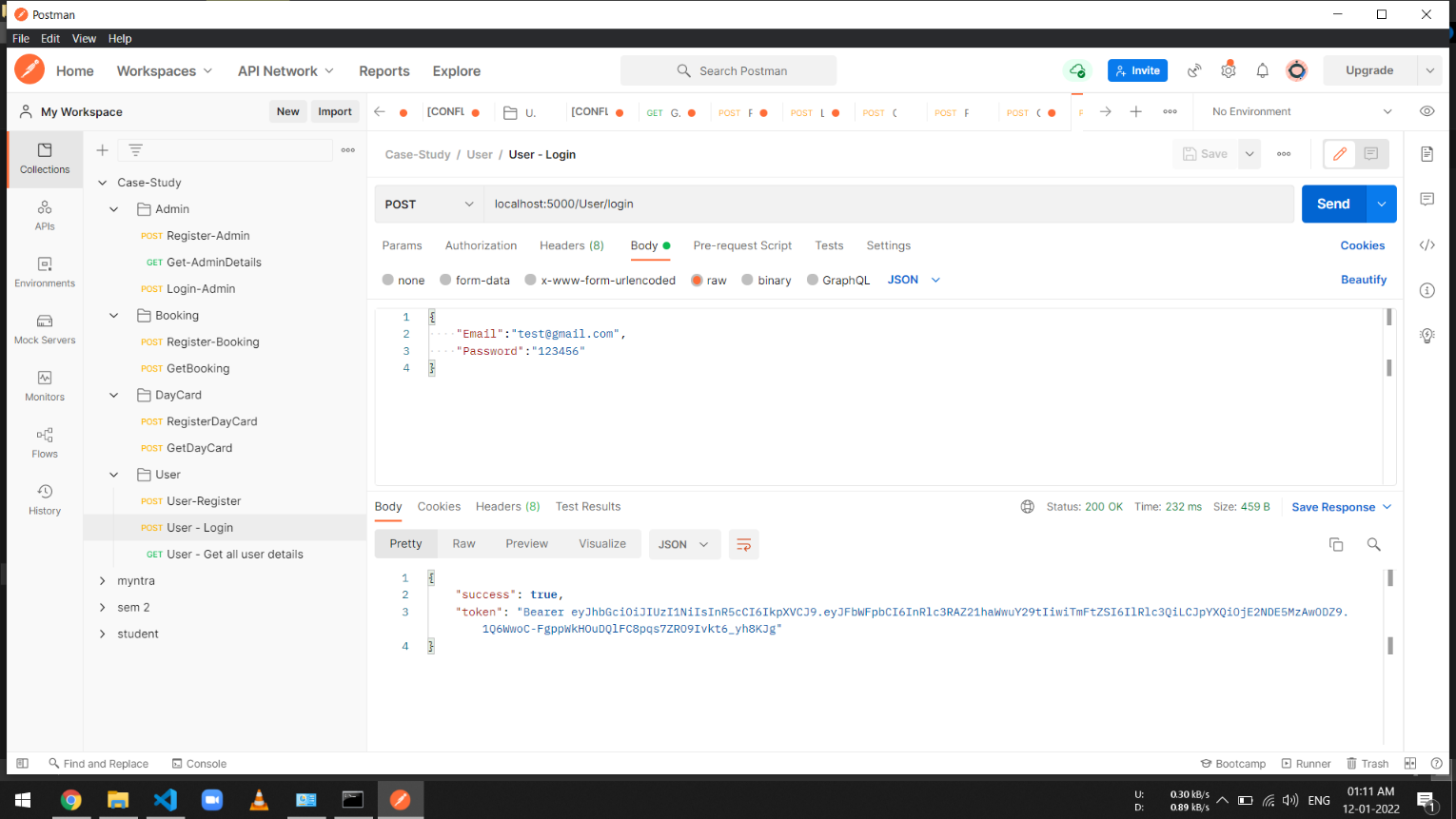


User APIs:

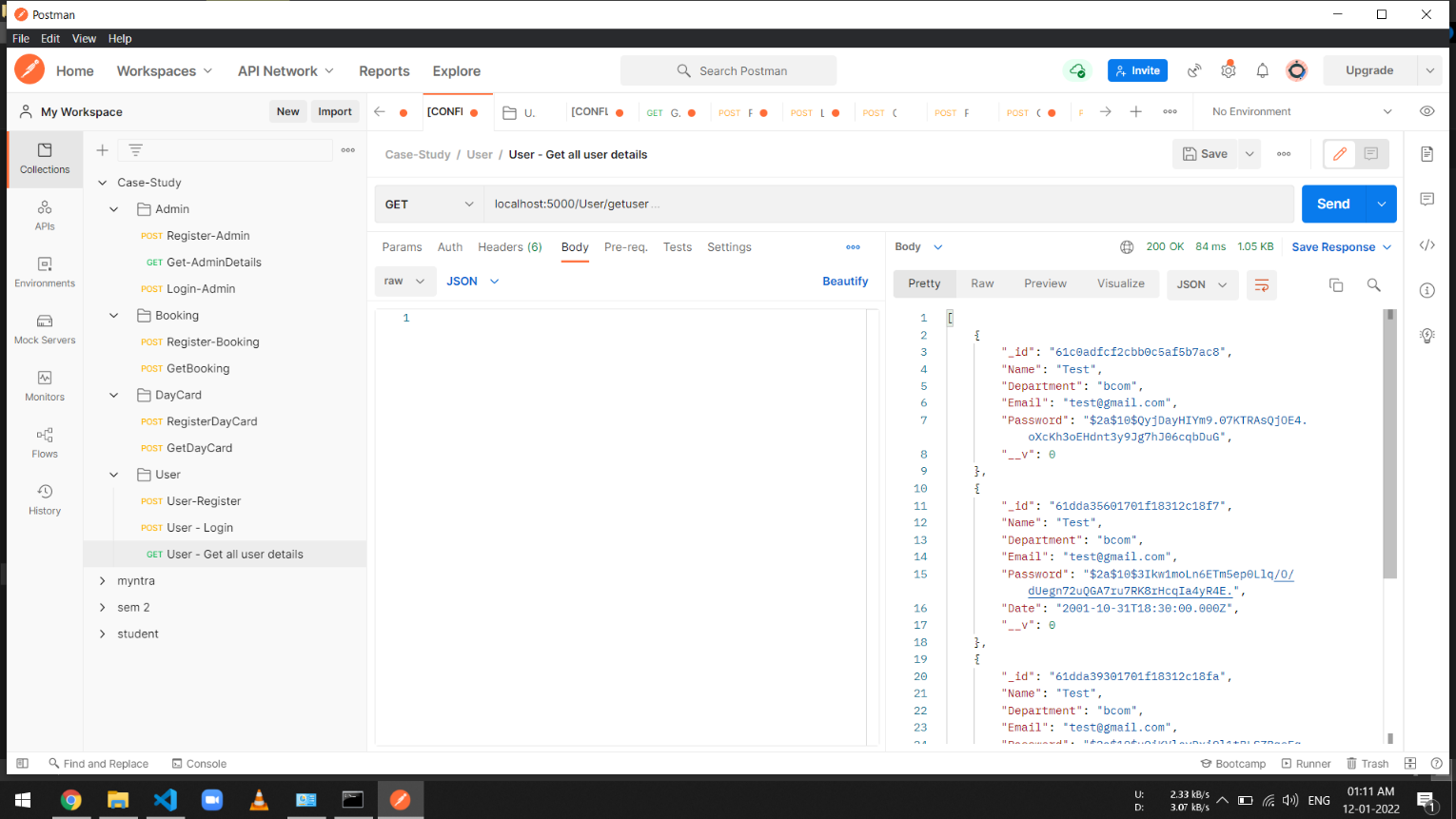
1.User Register



2. User Login Details



3.User Details



# Conclusion

# And

# Future Enhancement

### Future Enhancement:

In the future this website can update by linking the programme with google calendar for registered persons and further we can add reminders for the program. Also, notification alert will send through the mail for person

### 

### Conclusion:

This website is useful to reserve the room program login in the RESERVED ROOM website. The overlapping of one or two programs can be avoided. There is no need for staff to be appointed for the registration for room as manually. Conclude the main aim of the website is reservation of room