SHRUTHI

Department of CSE/IT and Engineering,
Chaitanya Bharathi Institute of Technology (Autonomous),
(Affiliated to Osmania University, Hyderabad)
Hyderabad, TELANGANA (INDIA) – 500 075
Month-2020

Submitted to:

CERTIFICATE

This is to certify that the project titled " **SHRUTHI**" is the bonafide work carried out by the following students of CSE/IT departments of Chaitanya Bharathi Institute of Technology, Hyderabad, affiliated to Osmania University, Hyderabad, Telangana(India) during the academic year 2019-2020.

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Date:

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At last, we would like to thank our families and friends who helped us in gathering different information, collecting data and guiding us from time to time in making this project well above simplicity and into something concrete, despite their busy schedules.

DECLARATION

We hereby declare that the project entitled **"SHRUTHI"** submitted by the following students of departments CSE/IT to the COSC internship Drive Projects is our original work and the project has not formed the basis for the award of any other degree, diploma, fellowship or any other similar titles.

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Place:

Date:

ABSTRACT

The era of mobile technology opens the windows to the android app. The websites are vanishing and the mobile phones are emergeing. Its time to change from conventional websites to apps.

So our ultimate goal is to create a app for the most largest cultural fest of Chaitanya Bharathi Institude of Technology. Our multipurpose project is considering user as albertian or non-albertian, student or faculties. Where it gives more comfort and a better user interface. Its acts as an overview of the shruthi for registration of events of shruthi.

Where students can know latest updates about collage events. Technologes we used in this android app development are Django for web, Flask for restapi, Netbeans for android development with 3 modules.

Where this app gives more comfort for students to know latest updates from the collage. And it has userfriendly interface. Where this project contain login page, registration page and about the events and location as well which job students easy.

INTRODUCTION

The era of mobile technology opens the windows to the android app. The websites are vanishing and the mobile phones are emergeing. Its time to change from conventional websites to apps.

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WEB DEVELOPMENT

Web development is the building and maintenance of websites; it's the work that happens behind the scenes to make a website look great, work fast and perform well with a seamless user experience. Web developers do this by using a variety of coding languages. The languages they use depends on the types of tasks they are preforming and the platforms on which they are working. The field of web development is generally broken down into front-end (the user-facing side) and back-end (the server side)

In the web part the event heads will send the requests to the admins regarding their events. So, the admins will be able to login, view requests and accept or reject the requests, when they accept the request an automatic mail will be sent to the event heads regarding the confirmation of the event. And the users will be able to view, register and login into the events of SHRUTHI.

USER REGISTRATION:

Here we have created a user registration page where the users must fill the required details like name, roll number, branch, year, phone number etc. and they must submit those details. So when they register here their details will u

USER LOGIN:

After the users register to the events , now they must login using their username and password .When they login here they will redirected to the user page where they can see all their registered events and if they enter wrong details i.e either username or password entered is wrong then the page will show a message saying invalid credentials.

USER PAGE:

When the users login using their username and password they will be directed to the user page . Here users can see all their events to which they have registered and they can also see the events categorized branchwise and other filtering categories. We have also made an option for them where they can add events as their favourite or pin the events.

ADMIN LOGIN:

The admin login form has two fields, admin ID and Password. If the admin enters the wrong details the message “invalid credentials” will be displayed. If the correct details are entered, the admin will be redirected to the admin page.

ADMIN PAGE:

In this page the admin can view the requests from the registration heads, verify them and if he accept them an automatic mail will be sent to he registration head regarding the evet confirmation. This page also contains the list of previous year events , event images and other stats for viewing.

Problem Definition

In our problem statement we have have 3 modules they Admin, Event heads and users

-where admin should view request ,verify and accept it .when accepted mail to head regarding reg.conf and it should consists of previous year ,other stats for viewing

-In Event heads register events with the app.Login after receiving mail,add events /modify/delete and also add eventinfo,description,dates,location in text and count should be updated

-In user module registration and login and user should able to view events info categorized branch wise , other filtering categories ,etc.

Description

The system consist of 3 modules they are user, admin, registration head . The user may be existing user or new use if the user is the new user then he /she must first register by giving basic details if the user already existing then he/she login directly the user after login can view events categorized branch wise other filtering categories where they can see the list of events , updates of events and stats info user can add modify and delete they can even pin/ favorite if they are interested . the admin gets request he/she can accept or reject .The request is been accepted then automatic mail is send to registration head. Registration head is where gets the mail they can register events with app they can only login after receiving the mail and they can see the list of the events where they can update events view the stats info they can add, modify or delete.

LITERATURE SURVEY

Introduction

'Shruthi App' is a mobile application . This application allows the admin event heads a users to get register for the events which are conducted by the students from different branch that are held in cultural fest shruthi of CBIT They can register for various games by login into it. They will have the list of events conducted by the students user can register into any of the event

Existing System

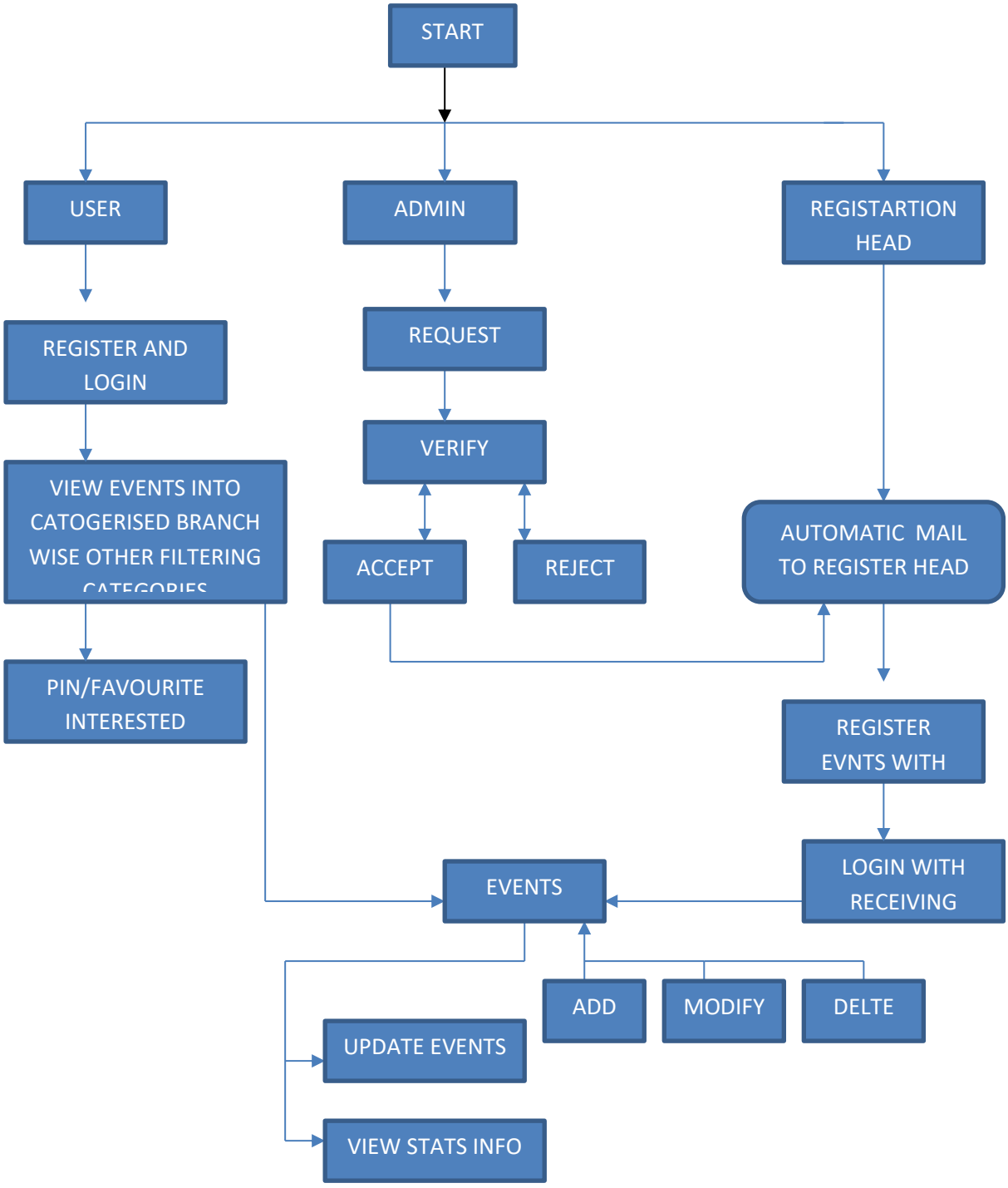
In the existing during the cultural fest of shruthi users used to get register for the events By giving direct payment and used to get the receipt of registration now by the shruthi app they can get register online to any of the event and they can easily see the status about their events which is easy for them

Proposed System

In the proposed system if the user faces any problem during the registration or if they have any doubts regarding the process they can go to the help us option where if they mentioned there problem they can get the solution for it

DESIGN OF THE PROPOSED SYSTEM

Block Diagram



Module Description

We have three modules

1.admin

2.User

3.event head

Admin:

He/she is responsible for updating the details of registration head and users

User:

If the user may existing they can login if the user is new they should register buy filling the form giving basic details . after login the user can see the events catogerized branch wise categories where they can see the list of events update of events and stats info

Event head :

Event head is where gets the mail after receiving the mail they can login and they can see list of events

Theoretical Foundation

SOLID principles are the theoretical foundation needed to built a mobile application. Knowing them and knowing how to apply them , whether through the clean architecture Or any other architecture, is the essential if we want to ensure high chances of success during the development phase of mobile application . The effect of there application is a decoupled code which has several advantages .

Software Quality Attributes

Reliability:

The application will meet all of the functional requirements without any unexpected behavior. At no time should the gauge display incorrect or outdated information without alerting the user to potential errors.

Availability:

The application will be available at all times on the users android device ,as long as the device is in proper working order. The functionality of the application will depend on any external services such as internet access that are required. If those services are unavailable, the user should be alerted.

Security:

The software should never disclose any personal information of any users. And should collect no personal information from its own users.

Maintainability:

The application can maintained easily.

Portability:

This software will be designed to run on any android operating system version 4.0 or higher.The software will be forward compatible for all currently released android operating system versions (upto to 4.2).

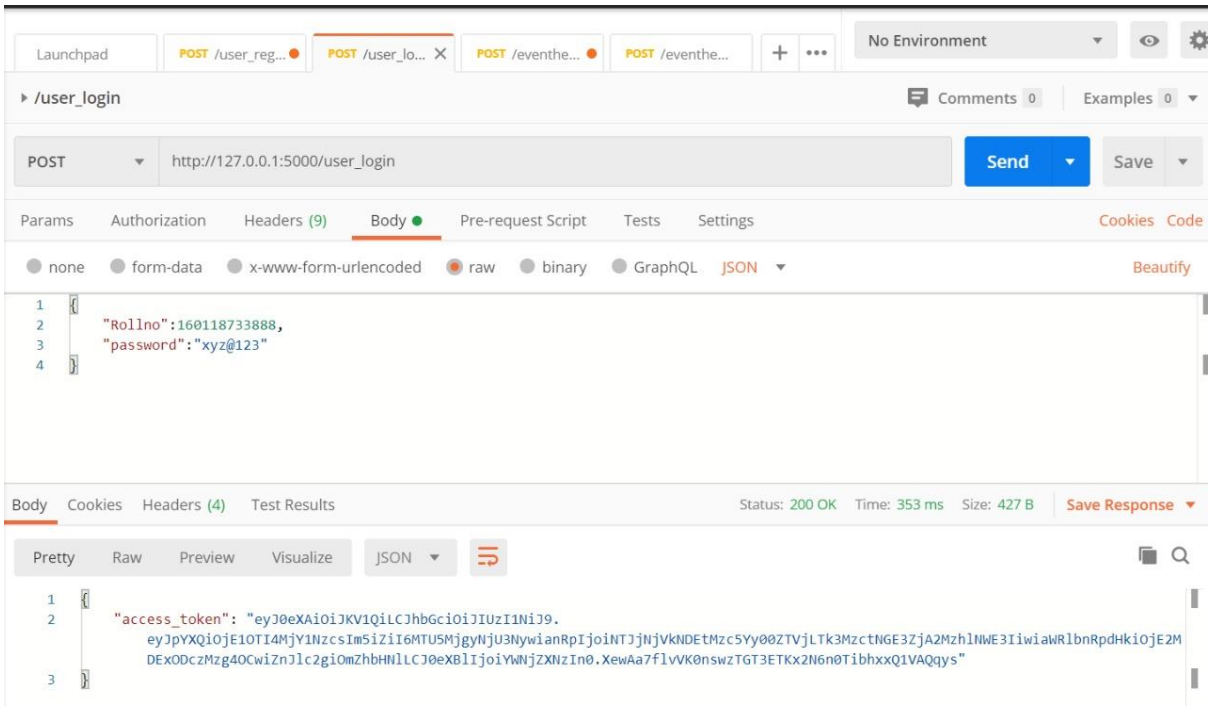
IMPLEMENTATION DETAILS:

API USED:

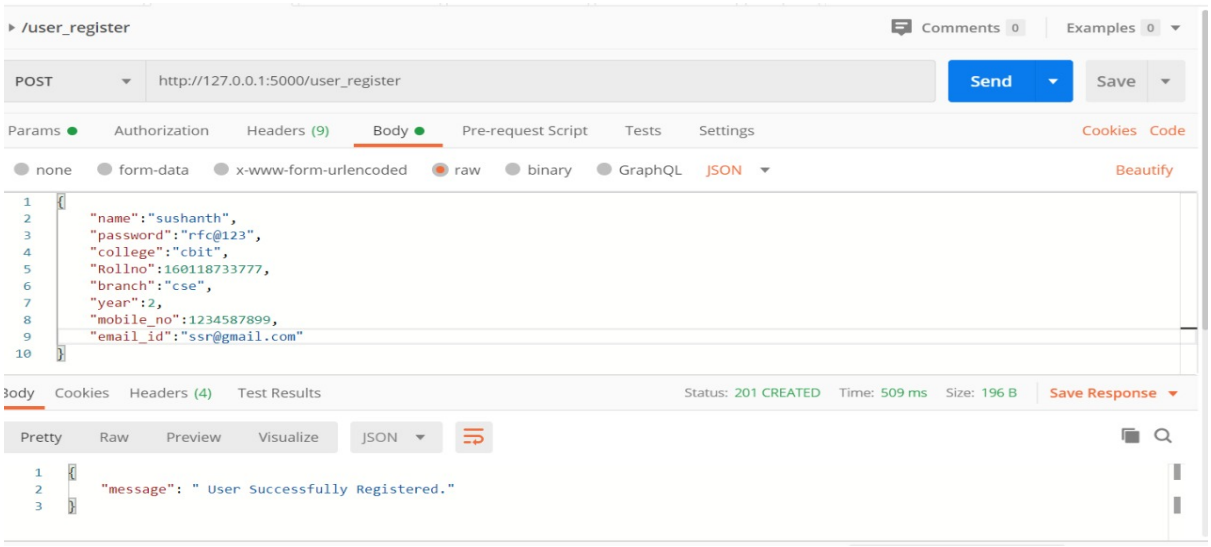
- **API Name:** User registration
  URL: https://shruthiapi.herokuapp.com/user_register
  HttpMethod: POST
  Content-type: application/json
- **API Name:** Event head registration
  URL: https://shruthiapi.herokuapp.com/eventhead_reg
  HttpMethod: POST
  Content-type: application/json
- **API Name:** User login
  URL: https://shruthiapi.herokuapp.com/user_login
  HttpMethod: POST
  Content-type: application/json
- **API Name:** Event head login
  URL: https://shruthiapi.herokuapp.com/eventhead_login
  HttpMethod: POST
  Content-type: application/json
- **API Name:** events
  URL: https://shruthiapi.herokuapp.com/events
  HttpMethod: GET
  Content-type: application/json
- **API Name:** user details
  URL: https://shruthiapi.herokuapp.com/user_details
  HttpMethod: GET
  Content-type: application/json
- **API Name:** events registered by the user
  URL: https://shruthiapi.herokuapp.com/user_event
  HttpMethod: GET
  Content-type: application/json
- **API Name:** user event registrations
  URL: https://shruthiapi.herokuapp.com/user_evtreg
  HttpMethod: POST
  Content-type: application/json
- **API Name:** remove EVENT HEAD for admin
  URL: https://shruthiapi.herokuapp.com/head_remove
- **API Name:** remove requests for admin
  URL: https://shruthiapi.herokuapp.com/req_remove
- **API Name:** Event head adding his request
  URL: https://shruthiapi.herokuapp.com/head_request
- **API Name:** user adding events into fav list
  URL: https://shruthiapi.herokuapp.com/user_addfav
- **API Name:** admin confirming eventhead and event
  URL: https://shruthiapi.herokuapp.com/confirmation

Postman Testing:

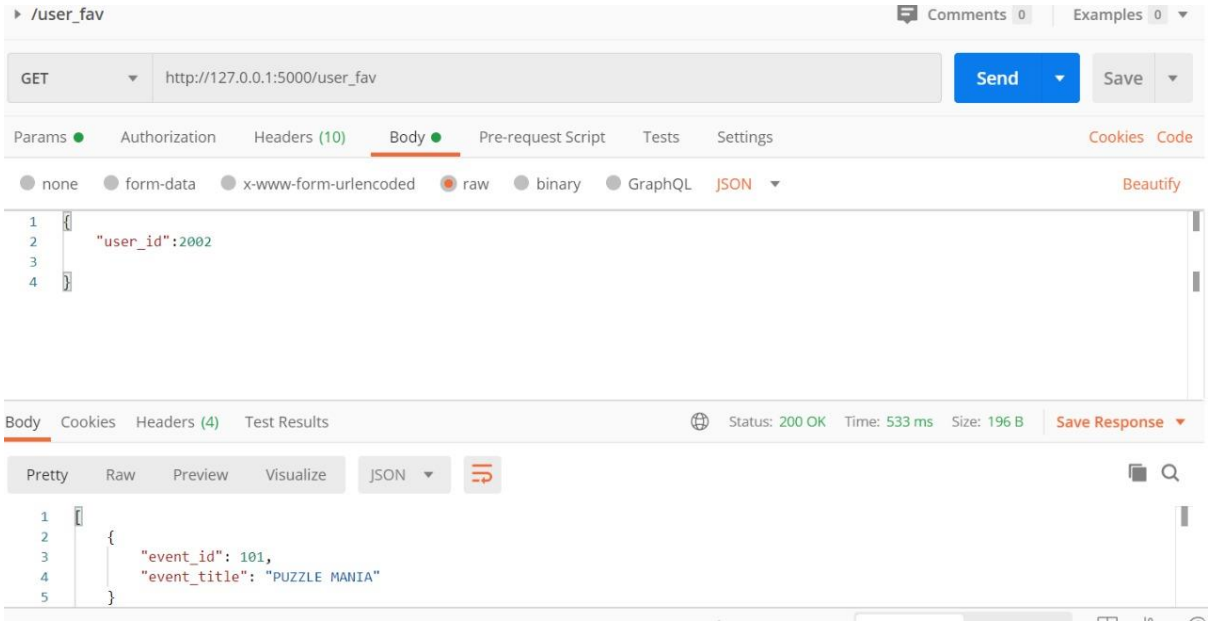
User Login :



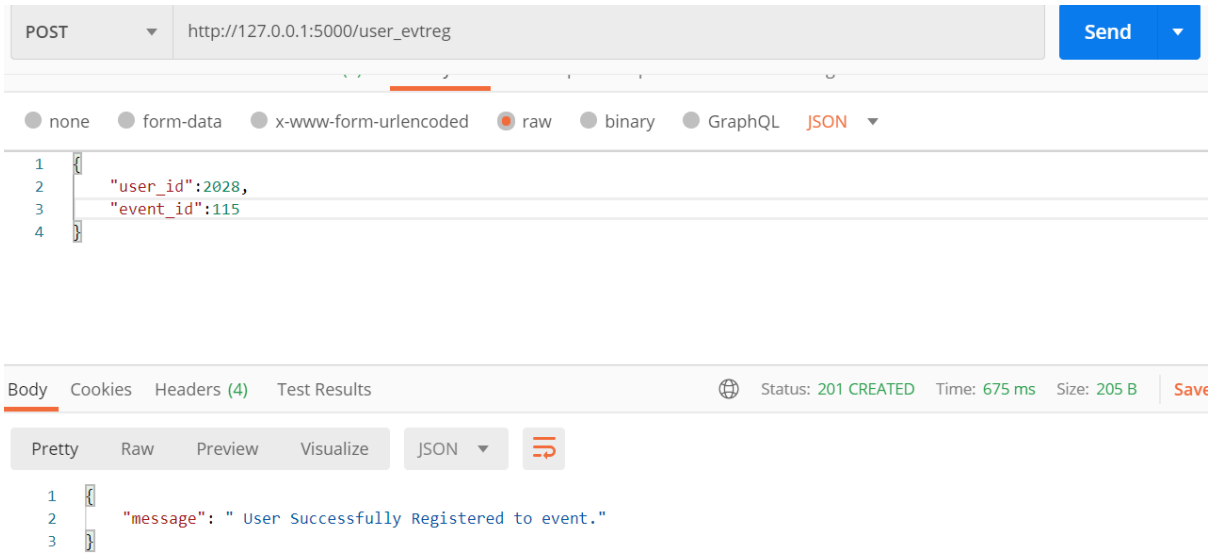
User Registration:



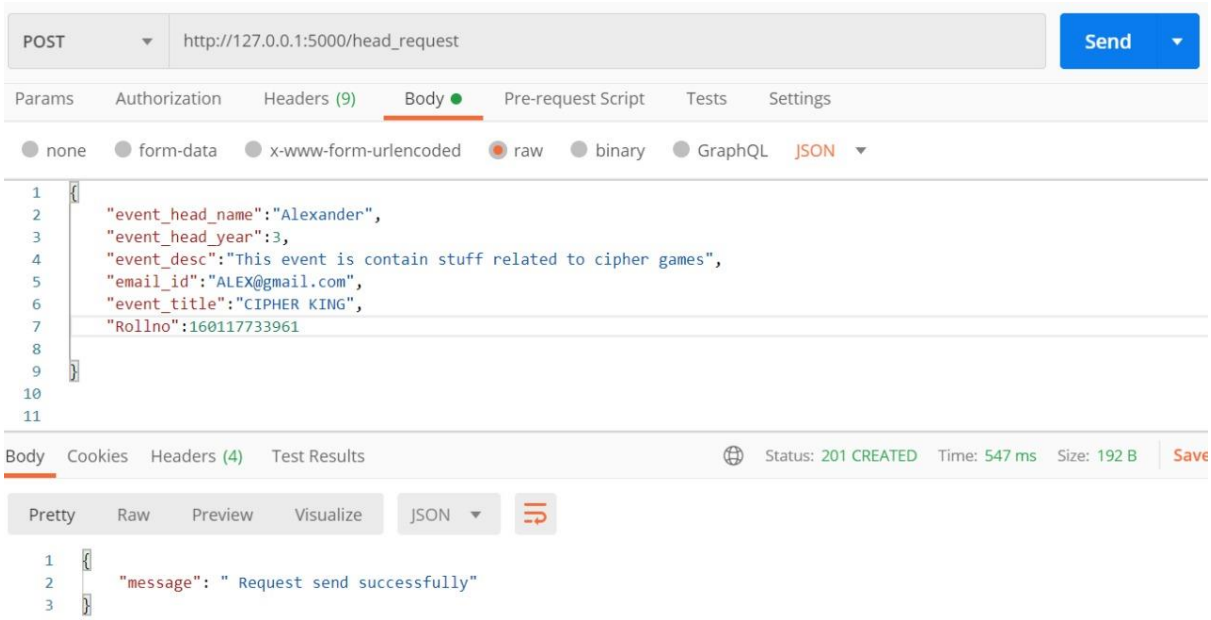
User Fav List:



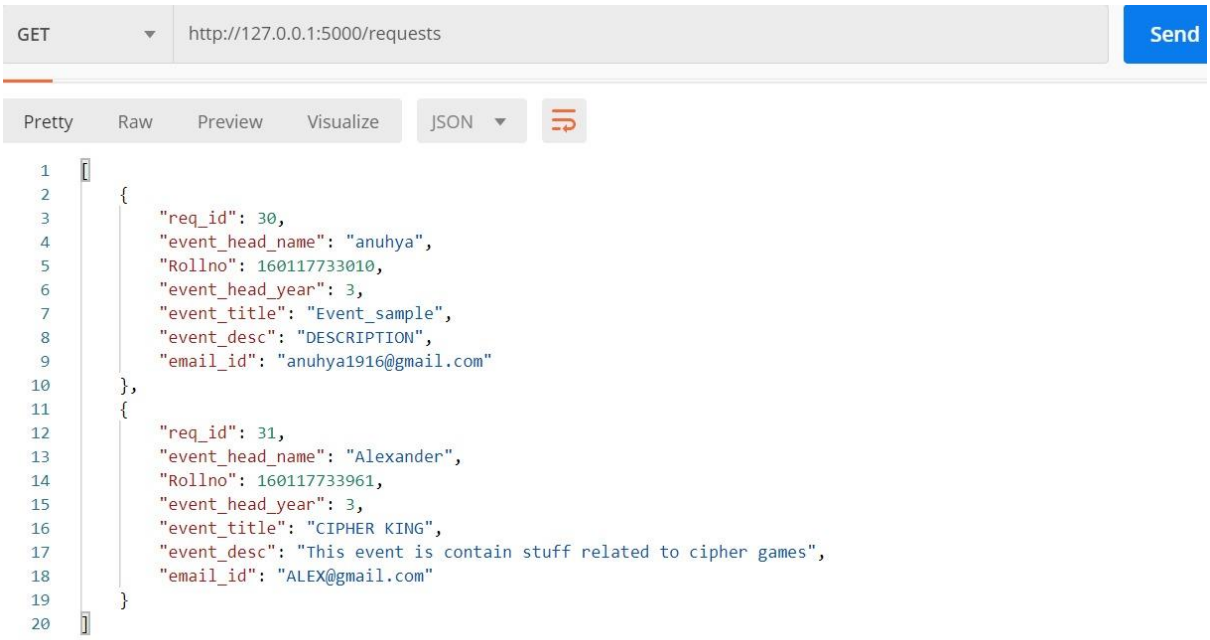
User Registering for an Event:



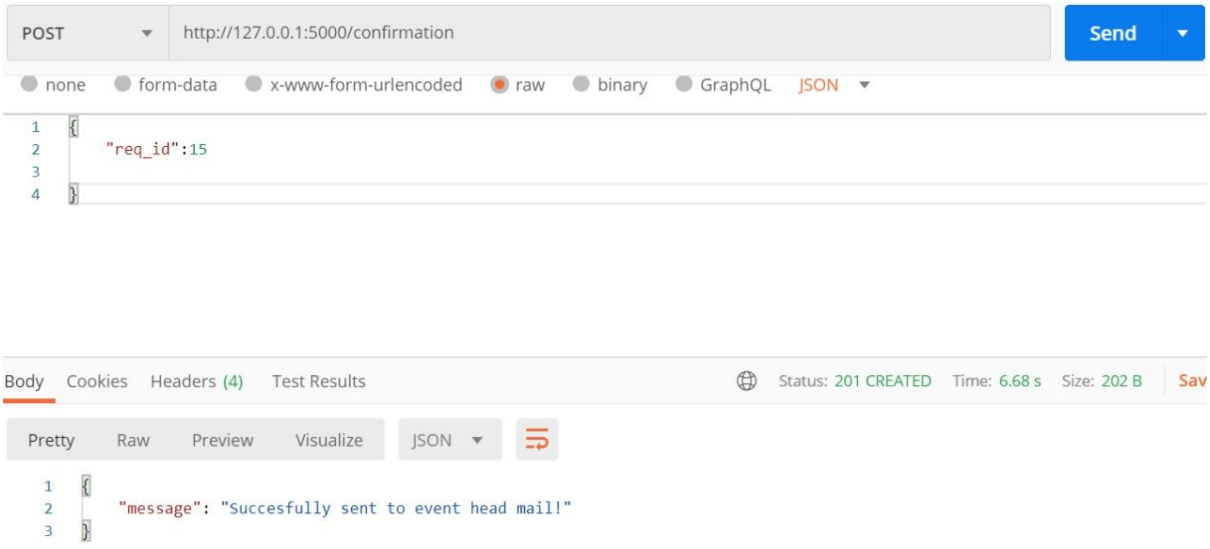
Event Head sending request to admin:



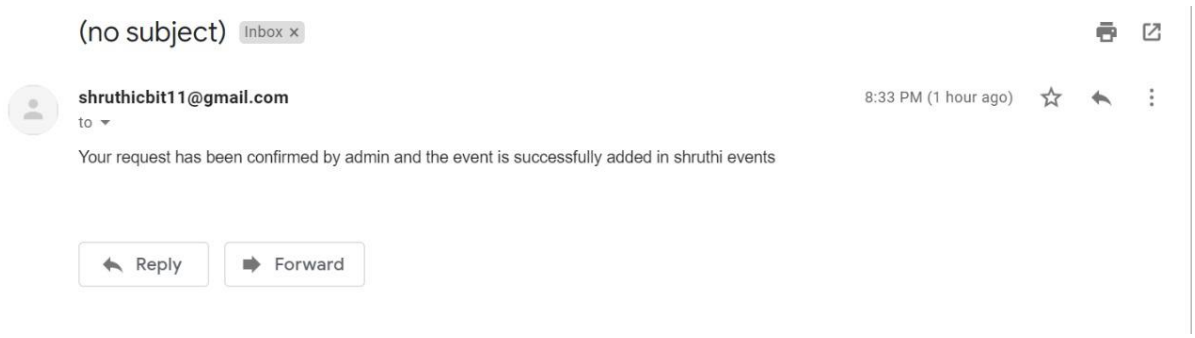
Admin viewing Requests:



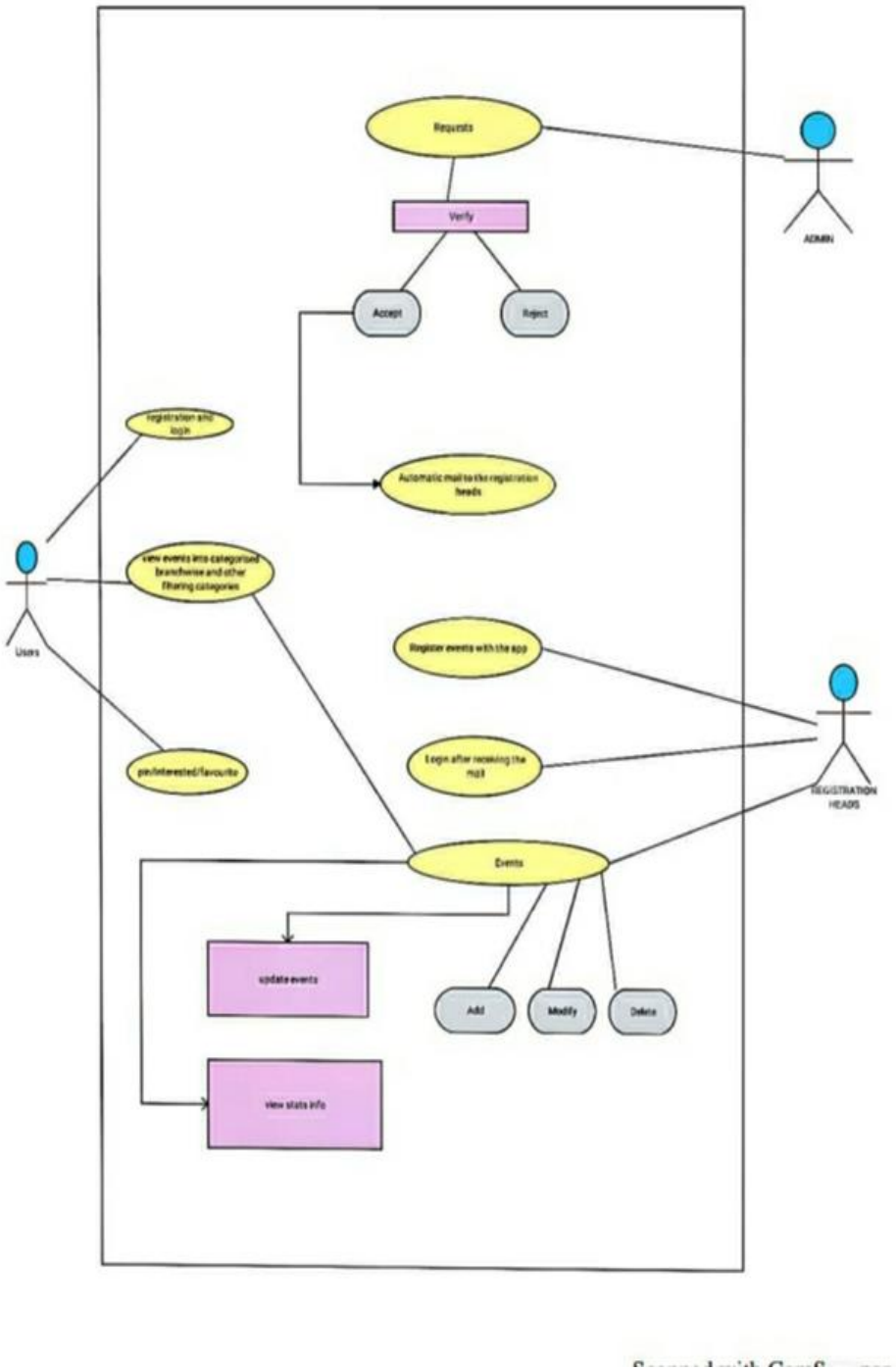
Admin Confirming the Request:



Mail received by Event Head:

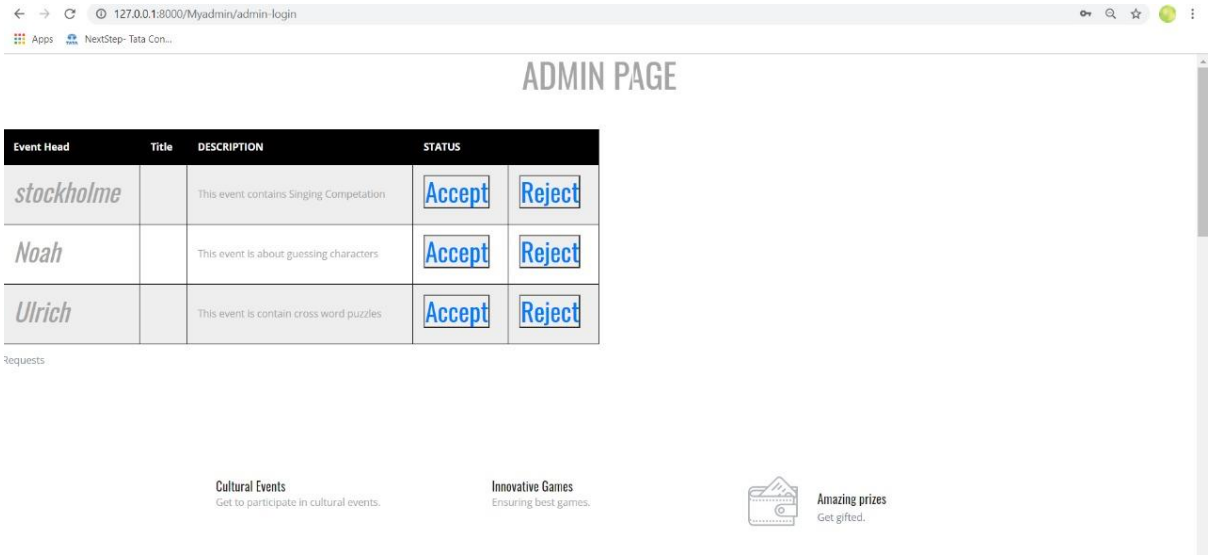


UML DIAGRAM:

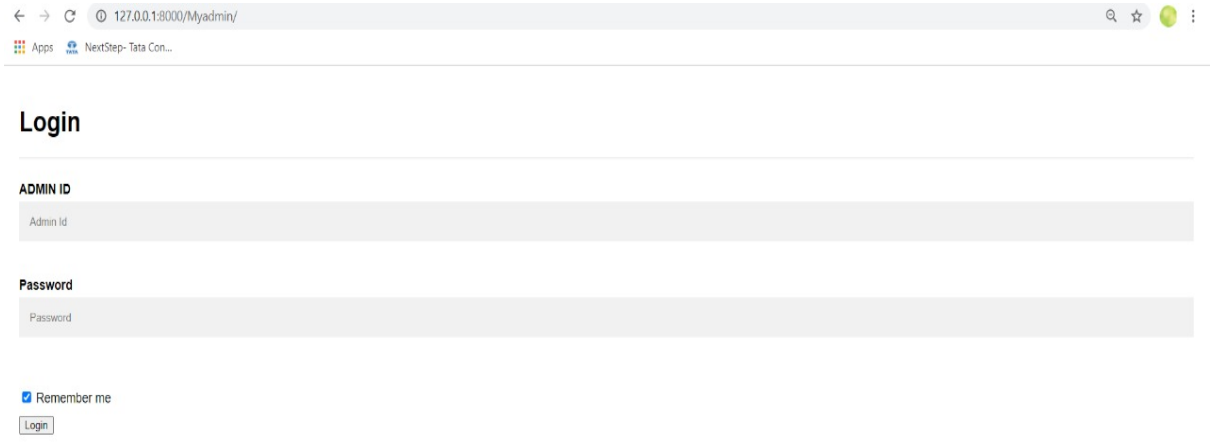

Requests
Verify
ADMIN
Accept
Reject
Automatic mail to the registration heads
Users
Register events with the app
Login after receiving the mail
REGISTRATION HEADS
Events
update events
Add
Modify
Delete
view stats info

WEB PAGES:

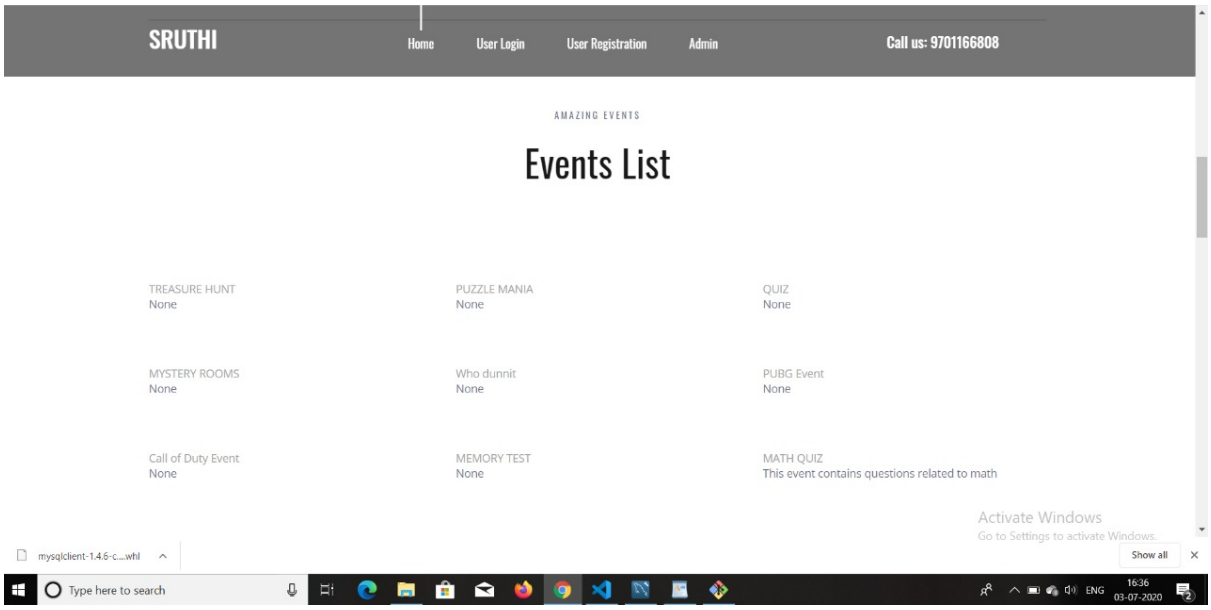
Admin page :



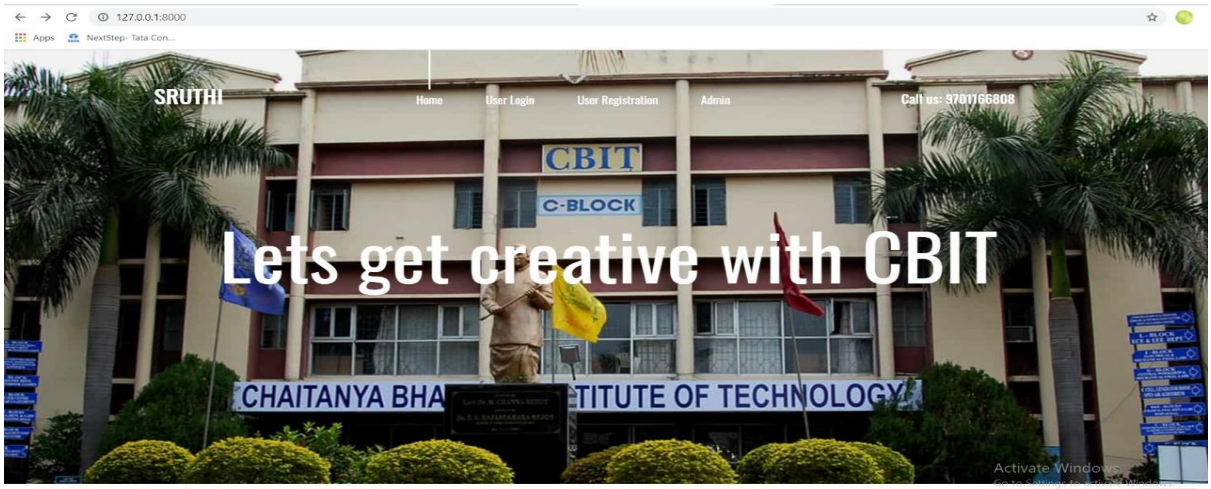
Admin Login page:



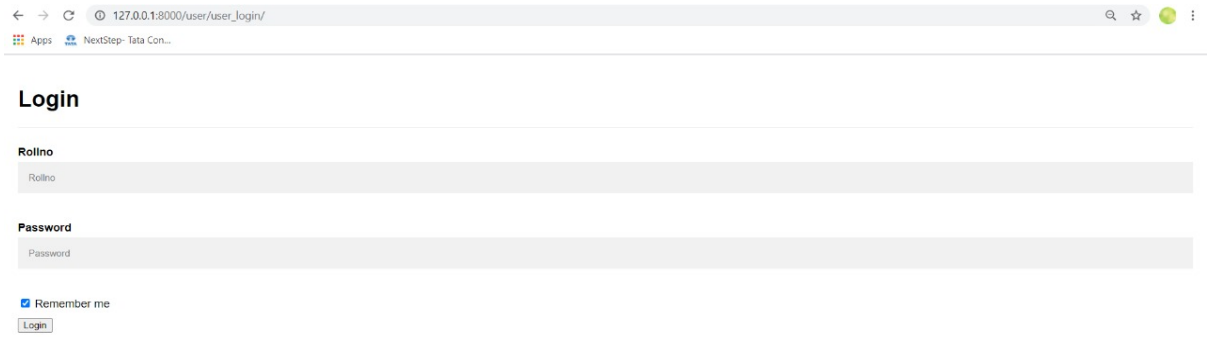
Events List page:



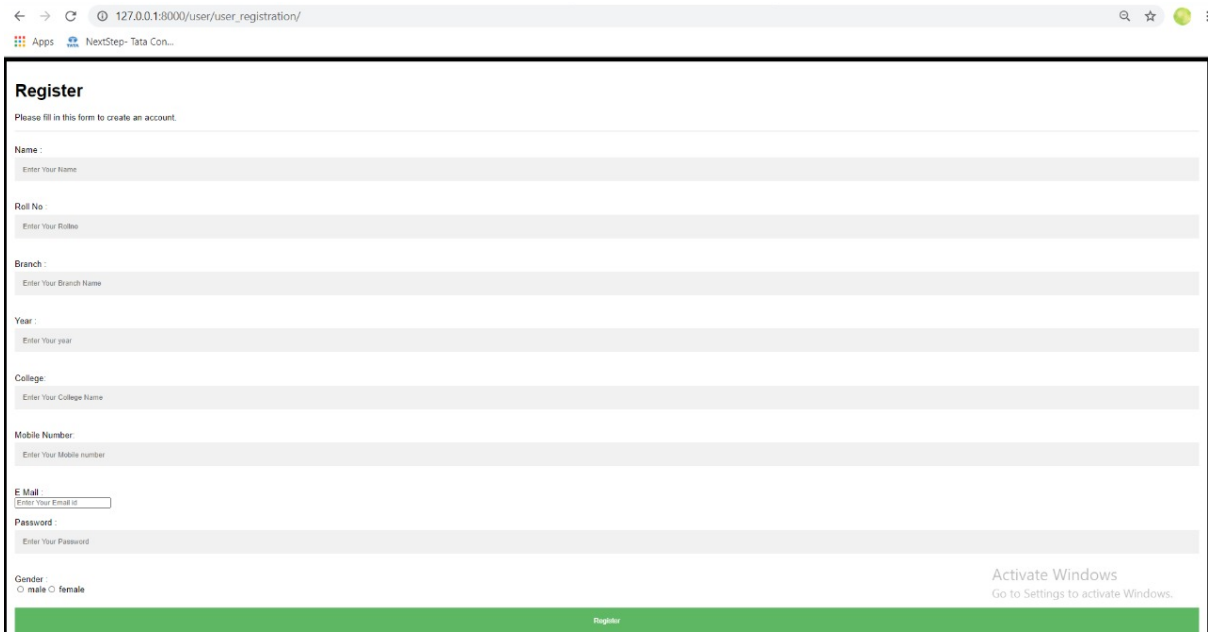
Home page:

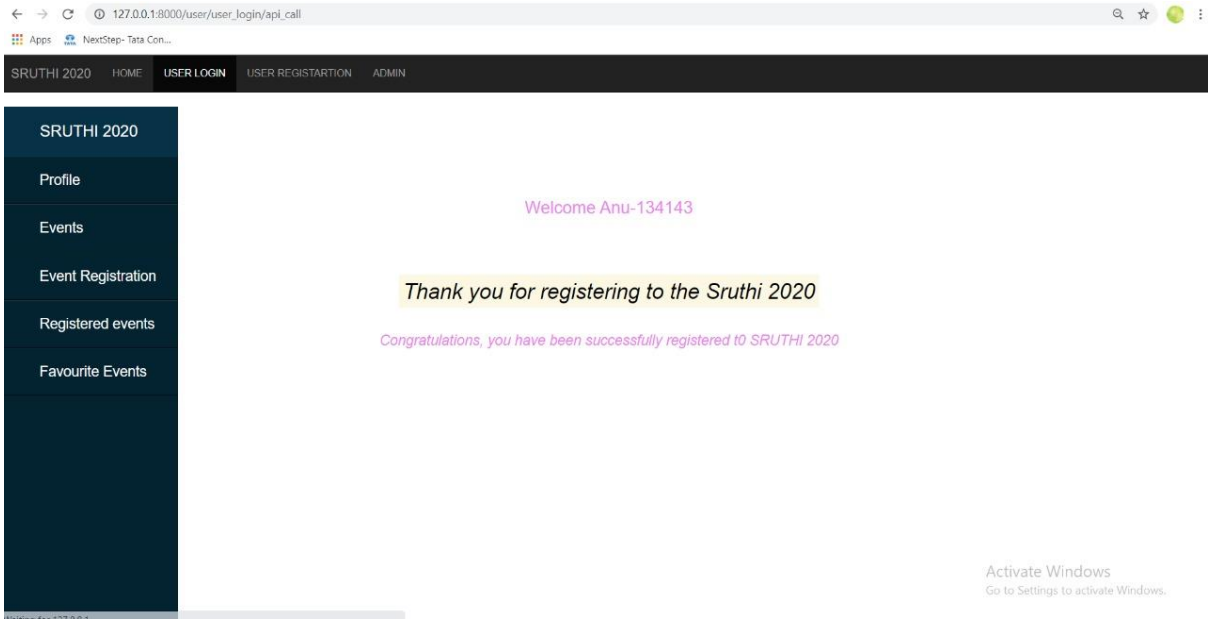


User login page:

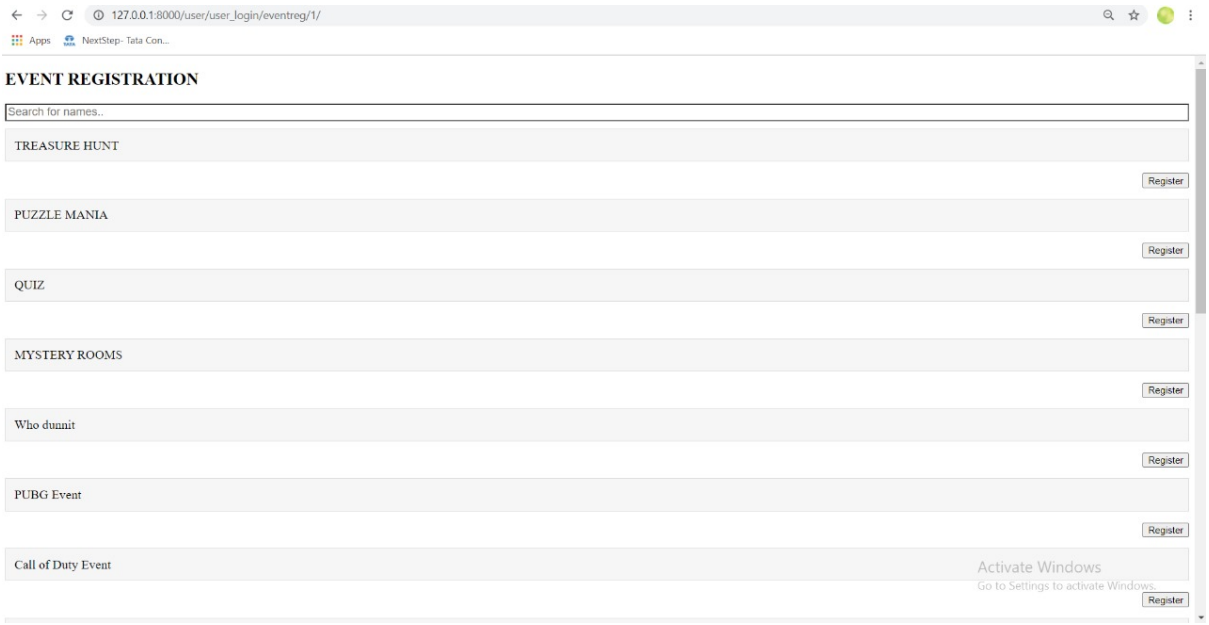


Registration :

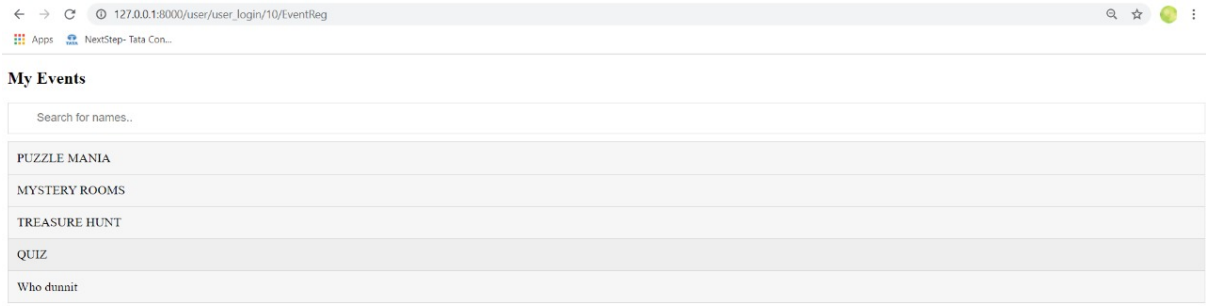




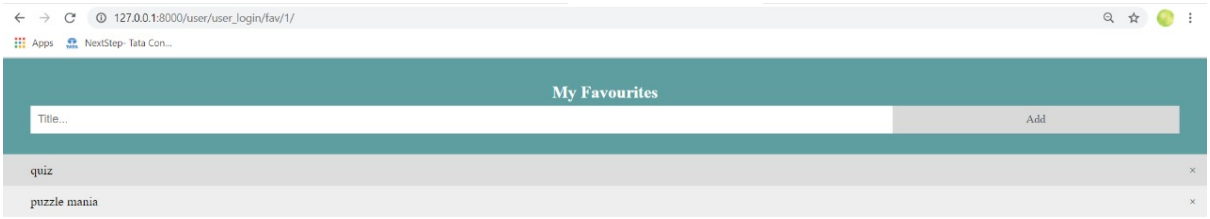
Event Registration :



My events page:

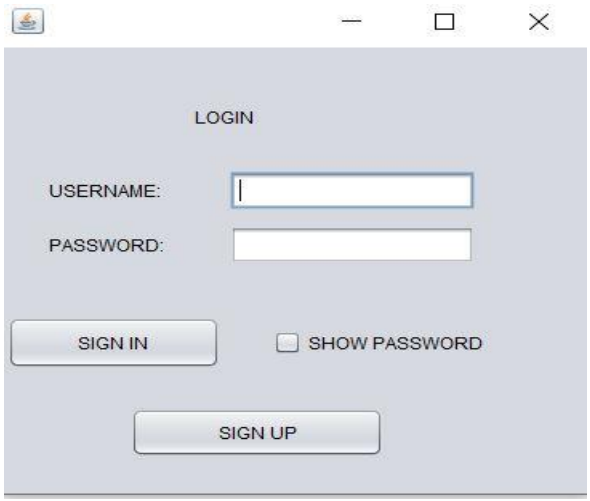


My Favourites events:

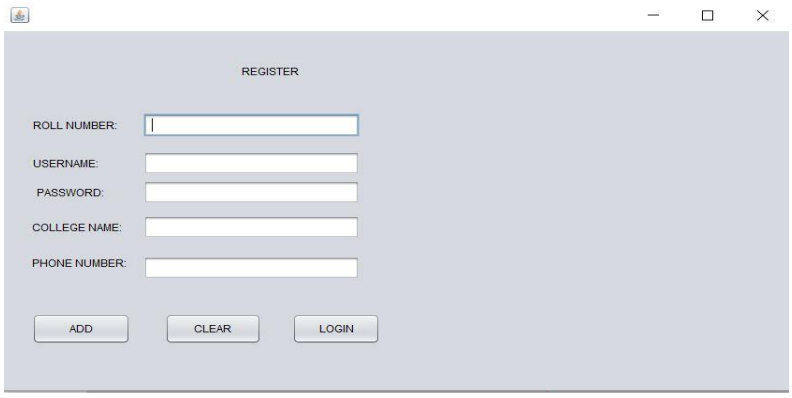


Netbeans:

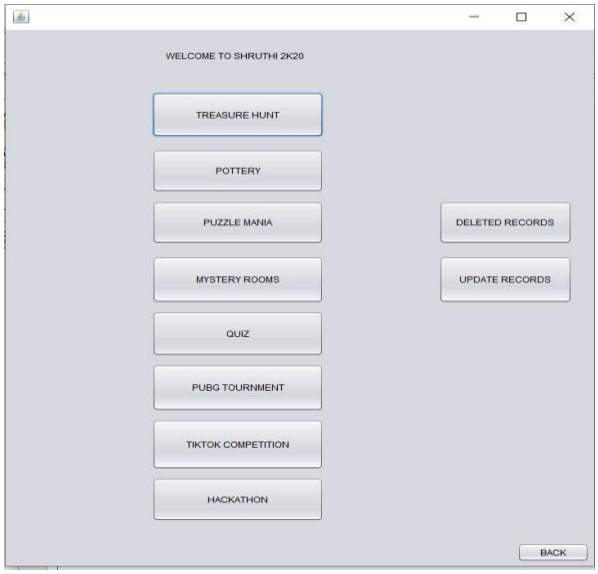
Login page



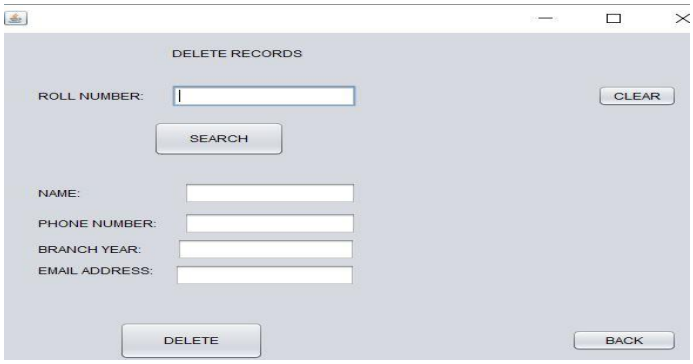
Registration page



Events page



Delete page



Update

CONCLUSION:

The era of mobile technology opens then windows to the android app. So we have created the app called “SHRUTHI” as the project for our COSC intership drive .This project work made us learn new technologies like django ,android studio etc… This app will be helpful for the students further in registration and updates about the shruthi events which will make they job easy.

Future Scope

Currently the android application works as an offline application which only allows to access data from the application. Future the application will be working as online application which includes the features like locations tracking,notifications etc…..The college management can also utilize this feature for better collage service.

REFERENCES

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- https://youtu.be/Q33KBiDriJY
- https://youtu.be/xiEmCw8n-iU
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- https://github.com/anuhya1916/cosc-sruthi2020.git