

VIT Event Registration Portal
PROJECT REPORT

*Submitted in fulfilment for the J-Component of CSE3002 – Internet and Web
Programming*

CAL COURSE
in
B.Tech. (Computer Science)
By

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Under the guidance of

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SCOPE



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
Fall Semester 2021-2022

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ABSTRACT

The world around us is ever evolving. Things that only used to happen in-person a few years ago, have now shifted to an online medium, where people need not be physically present, to be able to work and do other stuff. In a similar vein, registrations for events also has shifted online. This way, interested people don't have to physically travel all the way to the registration center, register themselves, and then either travel back to their homes, or just linger around until the event starts.

Websites for event registrations are primarily made with the above stated facts in mind. Such event registration websites, or portals, help the users to register from the comfort of wherever they are, and it also additionally gives them the liberty for other sorts of customisation. For example, if it's a standup comedy show, they have the option to choose the best seats out of those available to them. Such portals also makes it easier for the event organisers to get data about the audience that they might be receiving.

INTRODUCTION

VIT Vellore is one of the most prominent Indian institutes, and it hosts some of the best known student festivals and events in the country, attracting people in immense numbers. However the current event registration portal lacks behind in many major aspects, all of which we aim to fix through the portal that we have created.

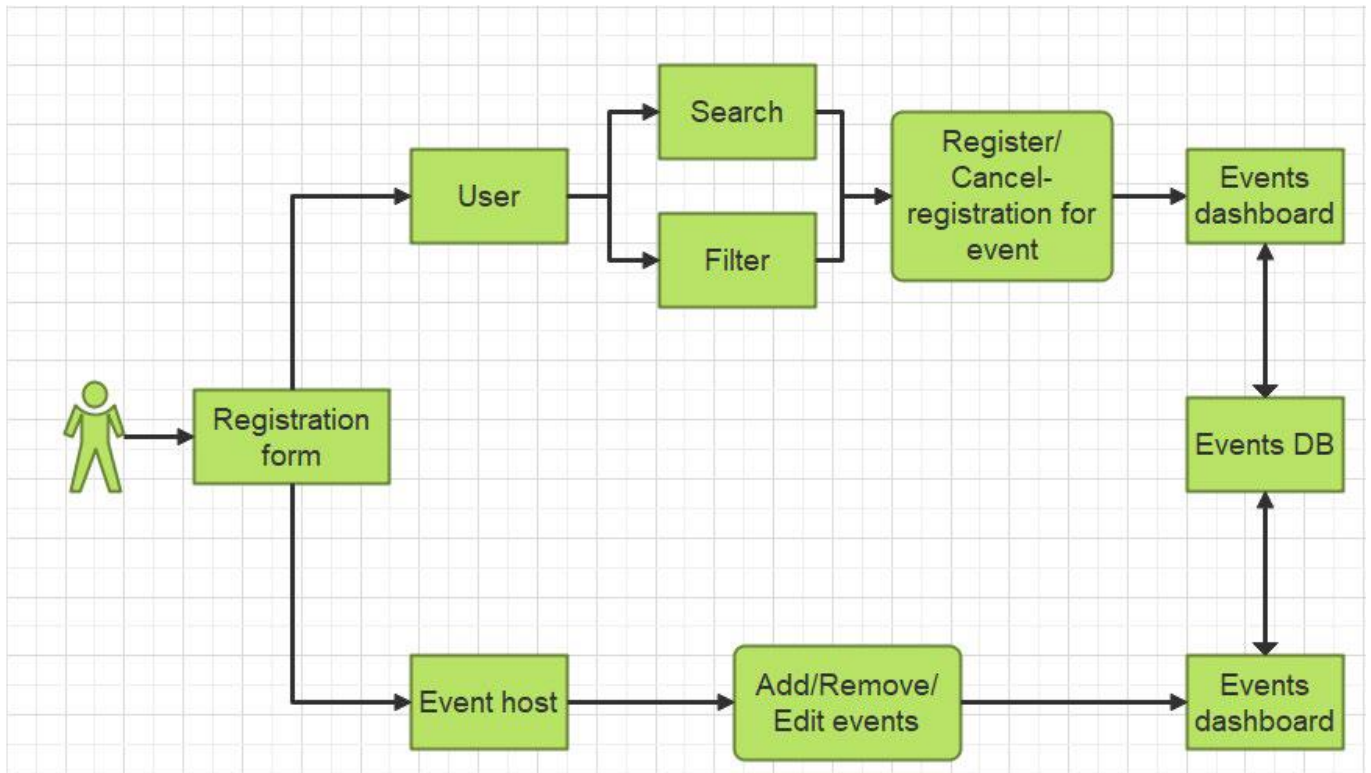
Our team has built a web portal that gives a detailed view on all the events/workshops that are organised by VIT clubs and chapters. This has 2 login options: event host and user. Users can register for any event that is listed. They can view all details of the events, filter & search for events, and also register for those events by just a single click of a button. Event hosts get the functionalities like adding, removing, and edit event and event details, see the list of participants and other related information for a particular event, etc.

This project aims at creating a more user friendly, powerful and visually appealing event registration portal, with more advanced features and functionalities, than the existing portal. The future scope of this project includes, but is not limited to, adding a feature where users can search for all events hosted by a particular chapter/club, providing the option to register events as workshops, seminars, hackathons, cultural shows, entertainment events, etc.

PROBLEM STATEMENT

Users and event hosts alike, face many problems with the current event registration website, like the website being slow, often lags, not being user friendly, glitchy, among other issues. Through this project, we aim at presenting a better portal dedicated for registration for VIT based events which is better, more responsive, provides the information in a more organised manner, and solves the various other discrepancies of the existing website.

PROCESS FLOW DIAGRAM



MODULES

Frontend:

- >React.js (Javascript framework)
- >Chakra UI (React UI library)

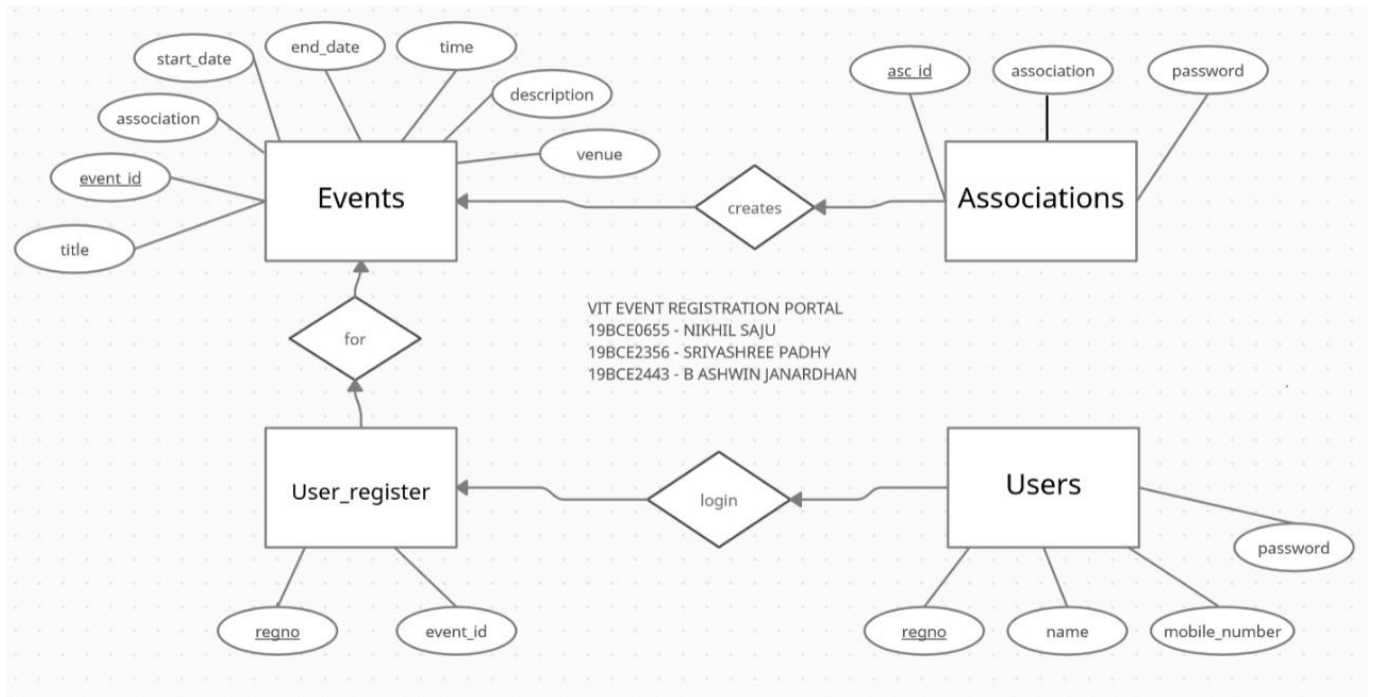
Backend:

- >Express.js (Nodejs Framework)

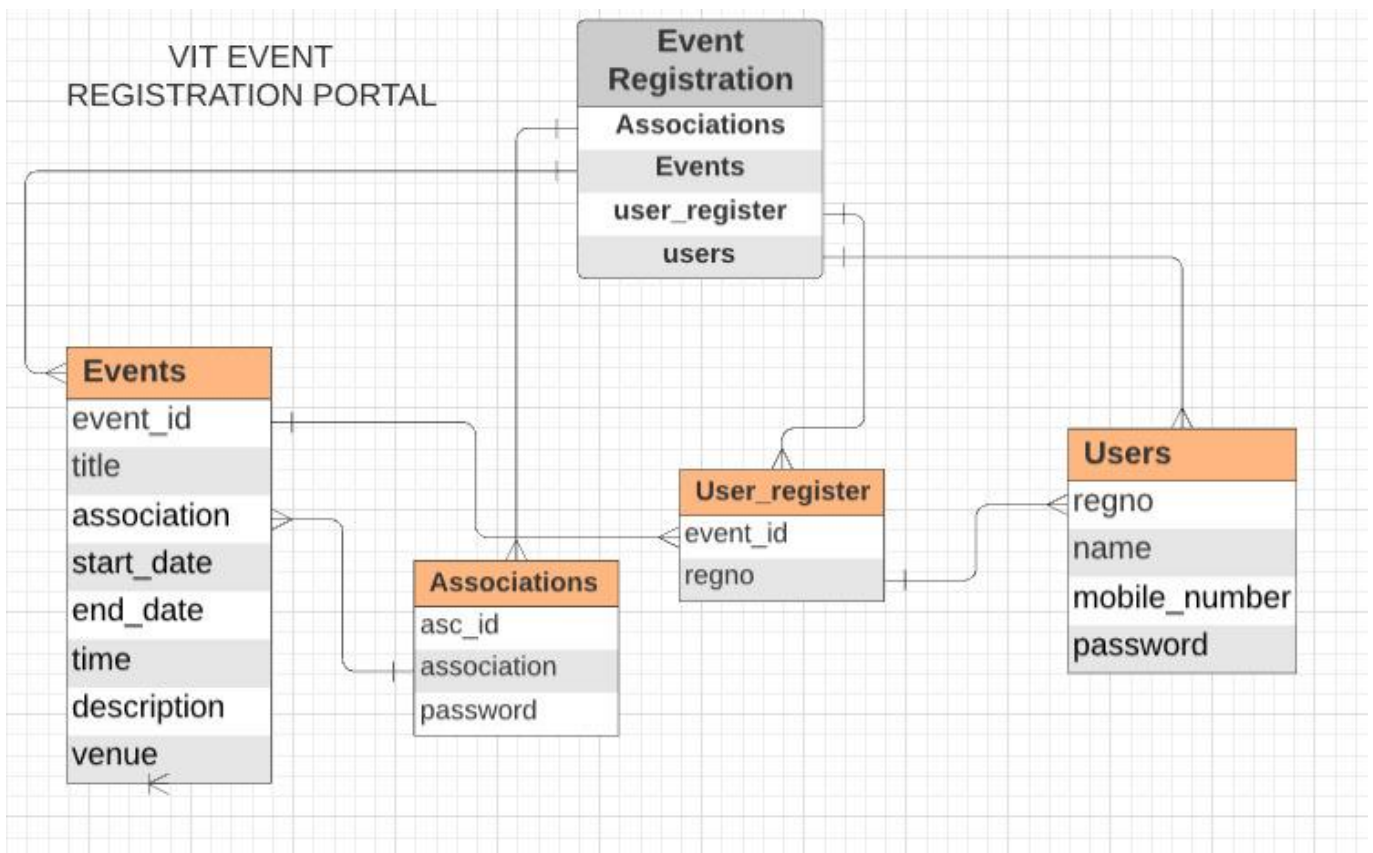
Database:

- >PostgreSQL

ER DIAGRAM



DATABASE DESIGN



	asc_id [PK] integer	association text	password text
1	12	ACM VIT	\$2a\$04\$XkNd...
2	13	IEEE SSIT	\$2a\$04\$slGoE...
3	14	Apple Developer...	\$2a\$04\$Rp4d...
4	15	SAS VIT	\$2a\$04\$1Hok...
5	16	test_association7	\$2a\$04\$hYqK...

	event_id [PK] integer	title text	association text	start_date date	end_date date	time text	description text	venue text
1	25	36-hou...	ACM VIT	2021-12-08	2021-12-09	1:00pm	Do you have a k...	discord
2	26	Ecologi...	IEEE SSIT	2021-12-13	2021-12-16	2:00pm	Must've heard a...	gmeet
3	27	Meme ...	Apple Developer...	2021-12-09	2021-12-13	1:00pm	Excited to make...	teams
4	28	8th Int...	SAS VIT	2021-12-21	2021-12-25	11:00am	The conference ...	teams
5	29	Transc...	ACM VIT	2021-12-14	2021-12-23	2:00am	Transcendence	teams
6	30	test ev...	ACM VIT	2021-12-15	2021-12-22	2:37pm	test description	test venue

	event_id [PK] text	regno [PK] text
1	25	19BCE0001
2	25	19BCE0655
3	25	19BCE2443
4	25	19BCI0034
5	25	19ECE0067
6	26	19BCE0655
7	26	19BCE2443
8	26	19ECE0067
9	27	19BCE0001
10	28	19BCE0655
11	29	19BCE0655
12	29	19BCE2443

	regno [PK] text	name text	mobile_number text	password text
1	19BCE0001	Jayaku...	1234512345	\$2a\$04\$JiriP0...
2	19BCE0655	Nikhil S...	7867563300	\$2a\$04\$m.f9r...
3	19BCE2356	Sriyash...	9967563300	\$2a\$04\$uGe...
4	19BCE2443	Ashwin...	7888456621	\$2a\$04\$gFEF...
5	19BCI0034	Rahul K...	8977770045	\$2a\$04\$sodbs...
6	19ECE0067	Aditya ...	4523339000	\$2a\$04\$Pnr2...

CONCLUSION

VIT Event registration system gives users the opportunity to register for their wished events and workshops at one portal without having to wander around across multiple links to register. Club and Chapter members will be able to create an account for themselves to put up upcoming events so that people can register. Therefore, we can come to a conclusion that VIT Event registration portal is a one stop platform that gives a detailed view on all the events/workshops that are held by VIT's clubs and chapters, added on with a user-friendly UI. The future scope with this project is, to make it more user friendly by adding elements on how many people have registered for this event, and finding out which event would the user possibly like to register for using Artificial Intelligence while keeping the user's previously registered events data as the dataset. We could not only use this platform for event registration, but also bring up more portals related to VIT, such as registration to PAT internship and placement links, and many more ideas.

REFERENCES

<https://docs.microsoft.com/en-us/dynamics365/marketing/set-up-event-portal>

<https://www.cvent.com/en/event-management-software/online-event-registration-software>

<https://www.bizzabo.com/blog/event-registration-guide>

<https://www.momice.com/en/ultimate-guide-event-registration>

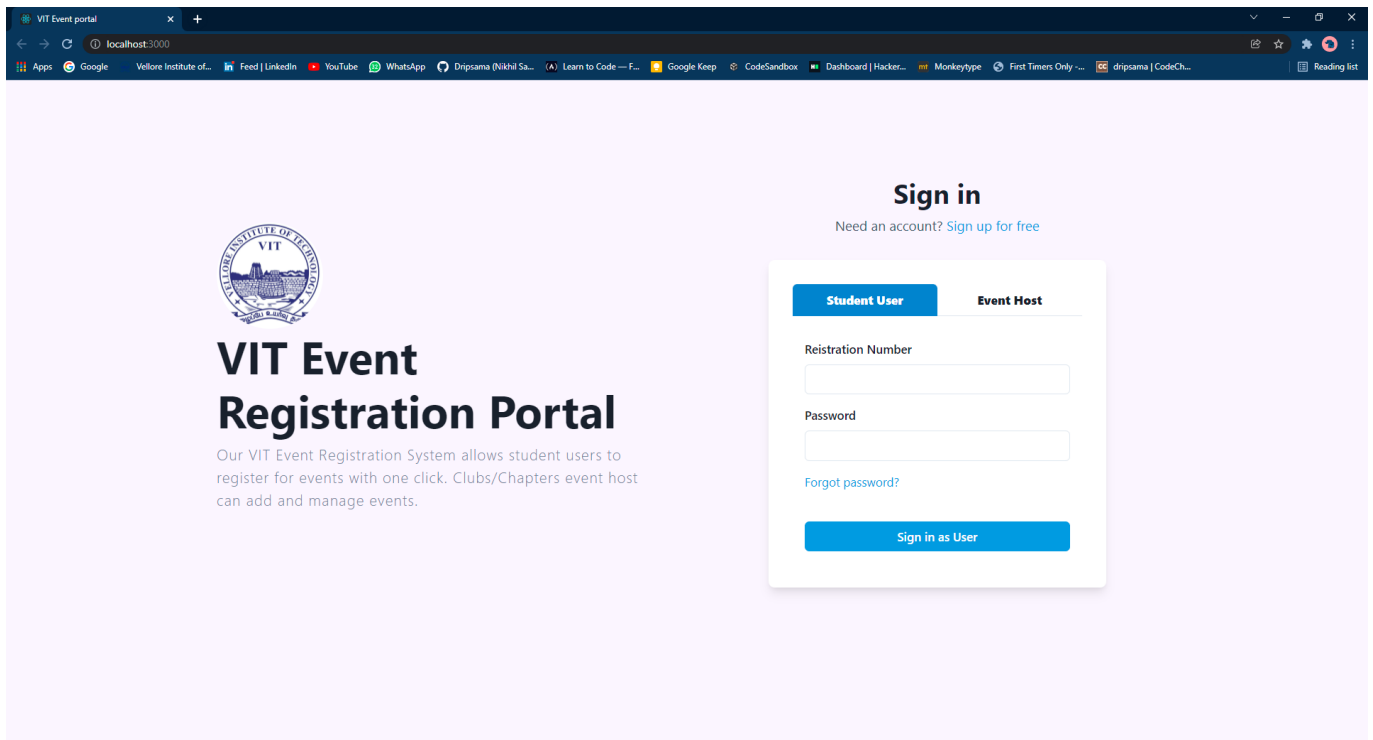
<https://chakra-ui.com/docs/getting-started>

<https://github.com/facebook/react/>

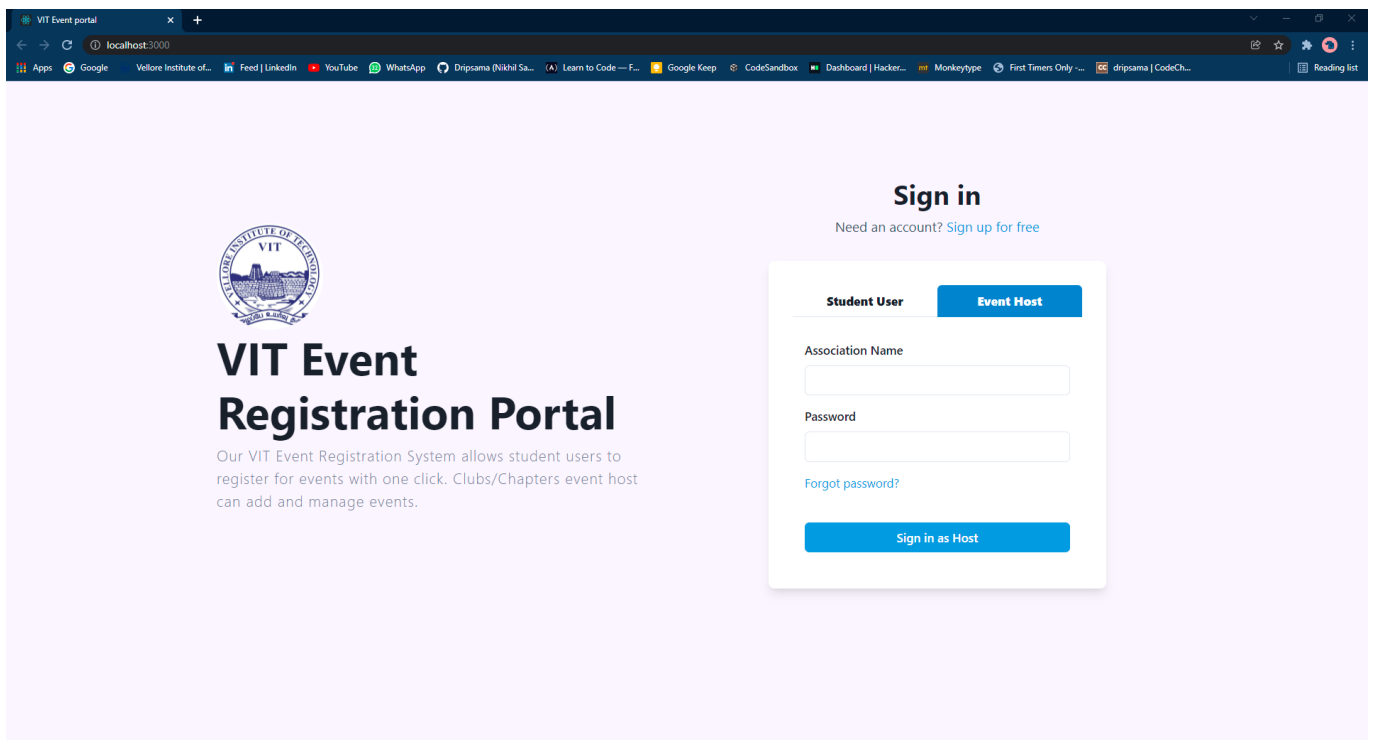
<https://expressjs.com/>

SNAPSHOTS

Home page:

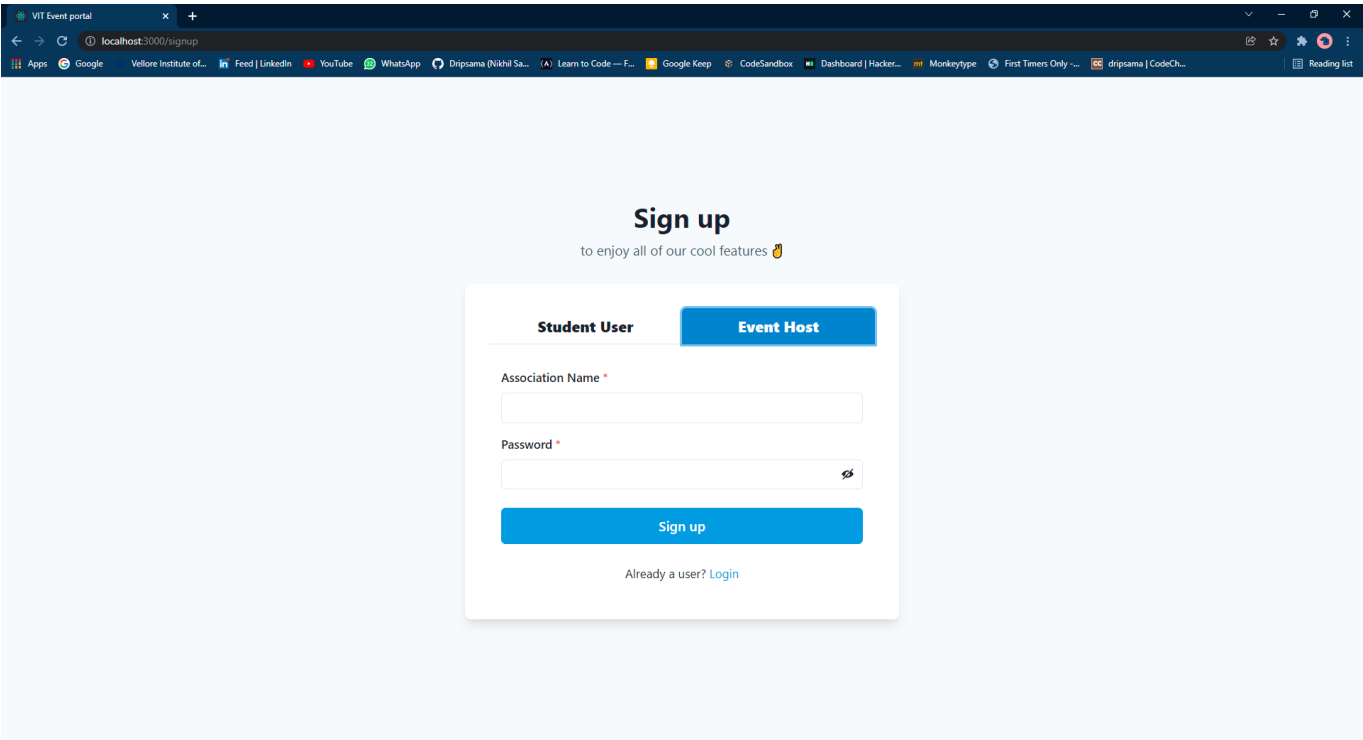
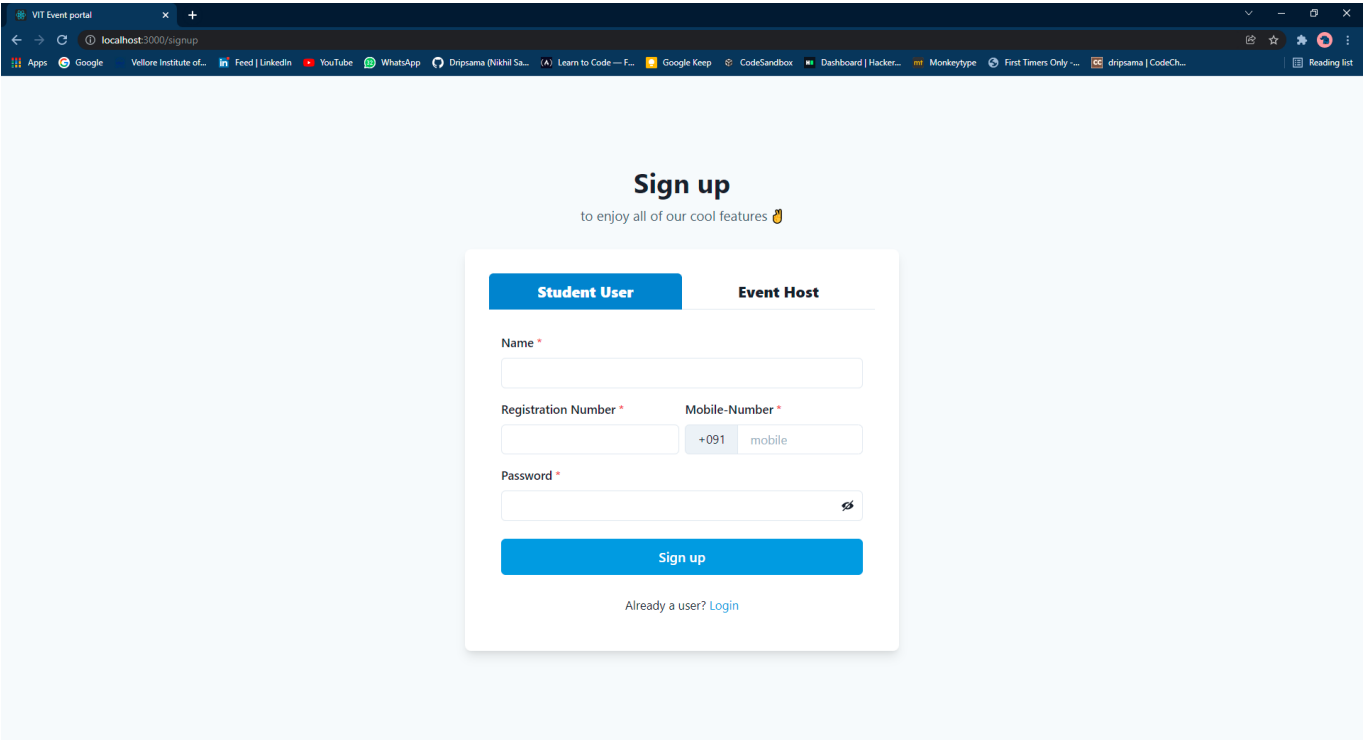


The screenshot shows the VIT Event Registration Portal home page. On the left, there is a VIT logo and the title "VIT Event Registration Portal". Below the title, a paragraph states: "Our VIT Event Registration System allows student users to register for events with one click. Clubs/Chapters event host can add and manage events." On the right, there is a "Sign in" section with a link "Need an account? Sign up for free". Below this, there are two tabs: "Student User" (selected) and "Event Host". The "Student User" form includes fields for "Registration Number" and "Password", a "Forgot password?" link, and a "Sign in as User" button.

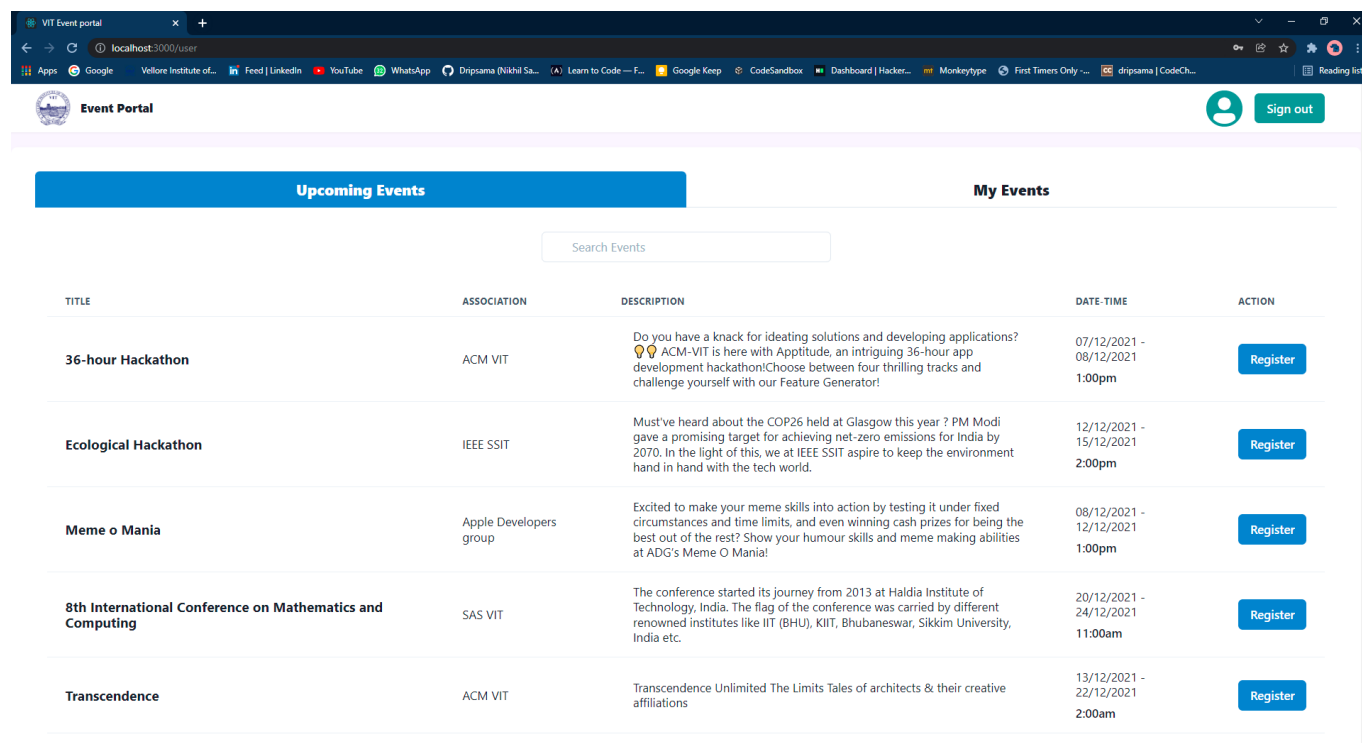


The screenshot shows the VIT Event Registration Portal home page with the "Event Host" login form selected. The "Student User" tab is now inactive, and the "Event Host" tab is active. The form includes fields for "Association Name" and "Password", a "Forgot password?" link, and a "Sign in as Host" button.

Signup page:



User home page:

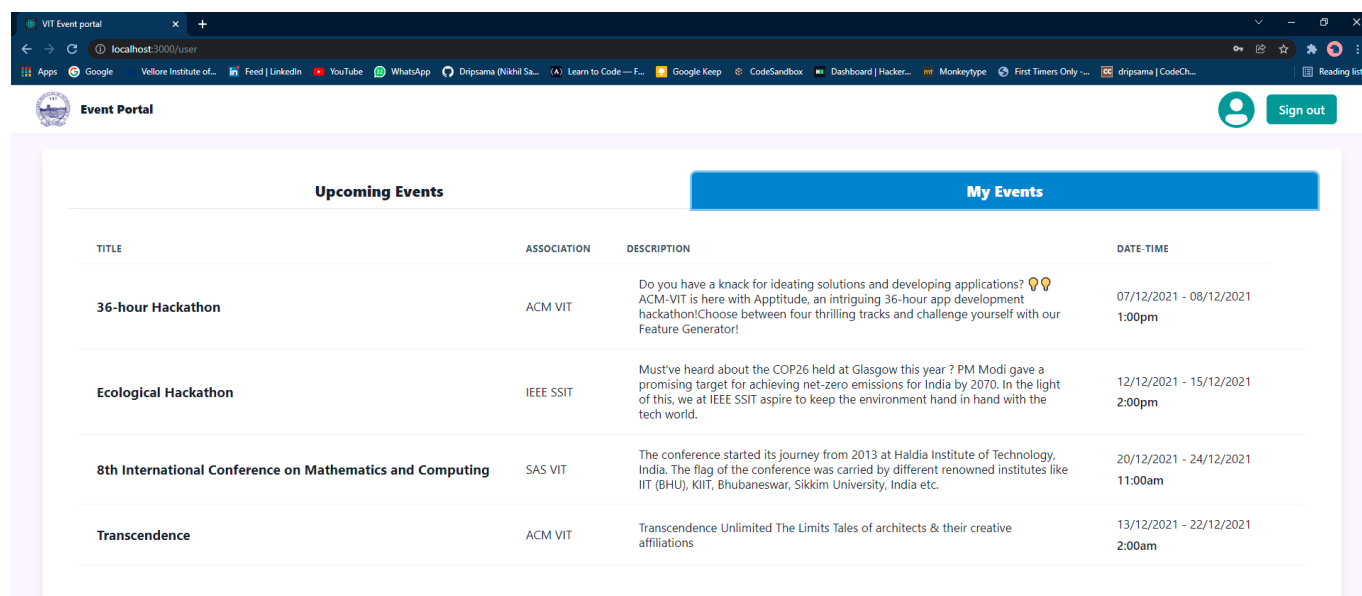


Event Portal [Sign out](#)

Upcoming Events **My Events**

Search Events

TITLE	ASSOCIATION	DESCRIPTION	DATE-TIME	ACTION
36-hour Hackathon	ACM VIT	Do you have a knack for ideating solutions and developing applications? 🧠 ACM-VIT is here with Aptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!	07/12/2021 - 08/12/2021 1:00pm	Register
Ecological Hackathon	IEEE SSIT	Must've heard about the COP26 held at Glasgow this year? PM Modi gave a promising target for achieving net-zero emissions for India by 2070. In the light of this, we at IEEE SSIT aspire to keep the environment hand in hand with the tech world.	12/12/2021 - 15/12/2021 2:00pm	Register
Meme o Mania	Apple Developers group	Excited to make your meme skills into action by testing it under fixed circumstances and time limits, and even winning cash prizes for being the best out of the rest? Show your humour skills and meme making abilities at ADG's Meme O Mania!	08/12/2021 - 12/12/2021 1:00pm	Register
8th International Conference on Mathematics and Computing	SAS VIT	The conference started its journey from 2013 at Haldia Institute of Technology, India. The flag of the conference was carried by different renowned institutes like IIT (BHU), KIIT, Bhubaneswar, Sikkim University, India etc.	20/12/2021 - 22/12/2021 11:00am	Register
Transcendence	ACM VIT	Transcendence Unlimited The Limits Tales of architects & their creative affiliations	13/12/2021 - 22/12/2021 2:00am	Register



Event Portal [Sign out](#)

Upcoming Events **My Events**

TITLE	ASSOCIATION	DESCRIPTION	DATE-TIME
36-hour Hackathon	ACM VIT	Do you have a knack for ideating solutions and developing applications? 🧠 ACM-VIT is here with Aptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!	07/12/2021 - 08/12/2021 1:00pm
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Transcendence	ACM VIT	Transcendence Unlimited The Limits Tales of architects & their creative affiliations	13/12/2021 - 22/12/2021 2:00am

VIT Event portal

localhost:3000/user

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Event Portal

Sign out

Upcoming Events

My Events

TITLE

ASSOCIATION

DESCRIPTION

36-hour Hackathon

ACM VIT

Do you have a knack for ideating solutions and developing applications? 💡 ACM-VIT is here with Aptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!

Ecological Hackathon

IEEE SSIT

Must've heard about the COP26 held at Glasgow this year? PM Modi gave a promising target for achieving net-zero emissions for India by 2070. In the light of this, we at IEEE SSIT aspire to keep the environment hand in hand with the tech world.

8th International Conference on Mathematics and Computing

SAS VIT

The conference started its journey from 2013 at Haldia Institute of Technology, India. The flag of the conference was carried by different renowned institutes like IIT (BHU), KIIT, Bhubaneswar, Sikkim University, India etc.

Transcendence

ACM VIT

Transcendence Unlimited The Limits Tales of architects & their creative affiliations

Regno: 19BCE0655

Name: Nikhil Saju

Mobile: 7867563300

1:00pm

12/12/2021 - 15/12/2021

2:00pm

20/12/2021 - 24/12/2021

11:00am

13/12/2021 - 22/12/2021

2:00am

VIT Event portal

localhost:3000/user

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Upcoming Events

My Events

Search Events

TITLE

ASSOCIATION

DESCRIPTION

DATE-TIME

ACTION

36-hour Hackathon

ACM VIT

Do you have a knack for ideating solutions and developing applications? 💡 ACM-VIT is here with Aptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!

07/12/2021 - 08/12/2021
1:00pm

Register

Ecological Hackathon

IEEE SSIT

Must've heard about the COP26 held at Glasgow this year? PM Modi gave a promising target for achieving net-zero emissions for India by 2070. In the light of this, we at IEEE SSIT aspire to keep the environment hand in hand with the tech world.

12/12/2021 - 15/12/2021
2:00pm

Register

Meme o Mania

Apple Developers group

Excited to make your meme skills into action by testing it under fixed circumstances and time limits, and even winning cash prizes for being the best out of the rest? Show your humour skills and meme making abilities at ADG's Meme O Mania!

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Register

8th International Conference on Mathematics and Computing

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20/12/2021 - 24/12/2021
11:00am

Register

Transcendence

ACM VIT

Transcendence Unlimited The Limits Tales of architects & their creative affiliations

13/12/2021 - 22/12/2021
2:00am

Register

fact event

ACM VIT

fact description

14/12/2021 - 21/12/2021

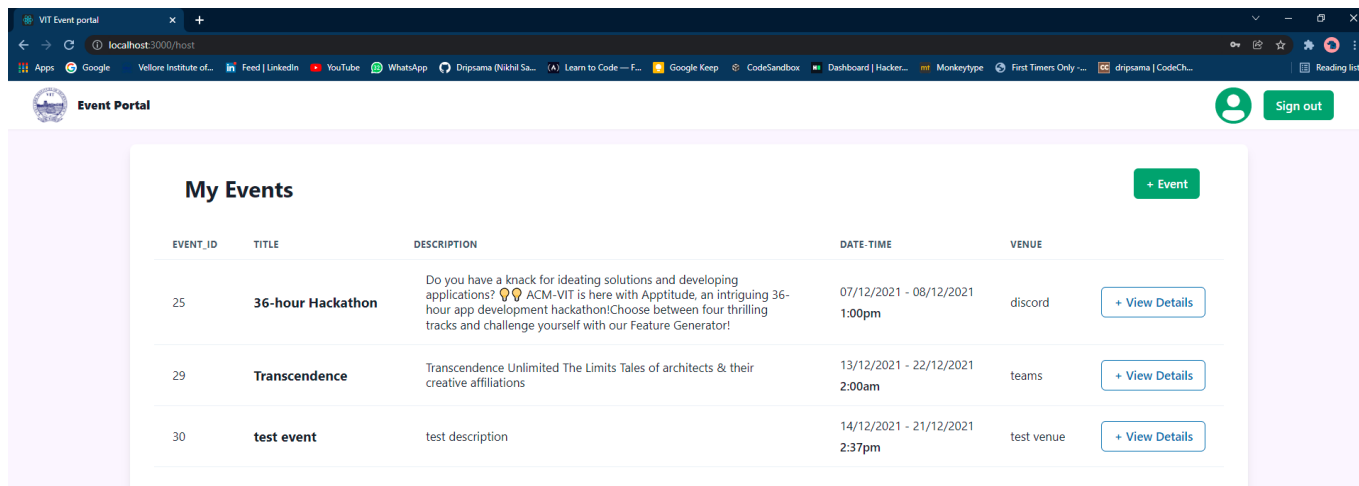
Register

Confirmation

Are you sure you want to register for the event?

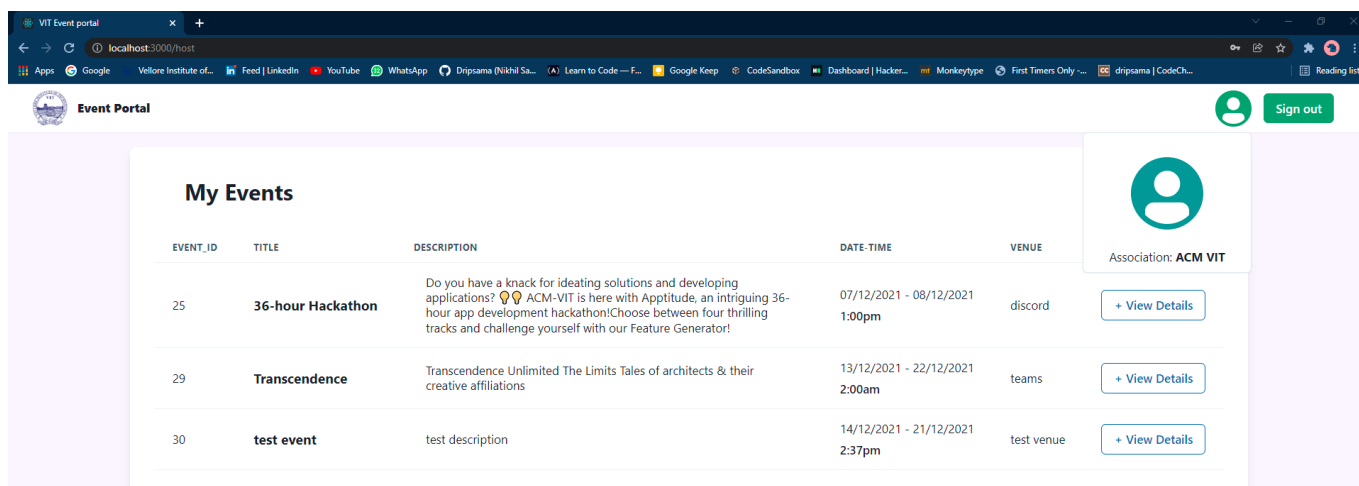
Confirm

Host home page:



The screenshot shows the VIT Event Portal home page. At the top, there's a navigation bar with the VIT logo, the text "Event Portal", and a "Sign out" button. Below this is a "My Events" section with a table of events. The table has columns for EVENT_ID, TITLE, DESCRIPTION, DATE-TIME, and VENUE. There are three events listed: "36-hour Hackathon", "Transcendence", and "test event". Each event has a "+ View Details" button. A "+ Event" button is located at the top right of the "My Events" section.

EVENT_ID	TITLE	DESCRIPTION	DATE-TIME	VENUE
25	36-hour Hackathon	Do you have a knack for ideating solutions and developing applications? 🧠 ACM-VIT is here with Apptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!	07/12/2021 - 08/12/2021 1:00pm	discord
29	Transcendence	Transcendence Unlimited The Limits Tales of architects & their creative affiliations	13/12/2021 - 22/12/2021 2:00am	teams
30	test event	test description	14/12/2021 - 21/12/2021 2:37pm	test venue



This screenshot shows the VIT Event Portal home page with a user profile overlay on the right. The profile includes a user icon and the text "Association: ACM VIT". The "My Events" table is identical to the one in the previous screenshot, showing three events: "36-hour Hackathon", "Transcendence", and "test event".

EVENT_ID	TITLE	DESCRIPTION	DATE-TIME	VENUE
25	36-hour Hackathon	Do you have a knack for ideating solutions and developing applications? 🧠 ACM-VIT is here with Apptitude, an intriguing 36-hour app development hackathon! Choose between four thrilling tracks and challenge yourself with our Feature Generator!	07/12/2021 - 08/12/2021 1:00pm	discord
29	Transcendence	Transcendence Unlimited The Limits Tales of architects & their creative affiliations	13/12/2021 - 22/12/2021 2:00am	teams
30	test event	test description	14/12/2021 - 21/12/2021 2:37pm	test venue

Host add event:

VIT Event portal

localhost:3000/addevent

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Add New Event

Title *

Venue *

Description *

Start Date *mm/dd/yyyy

End Date *mm/dd/yyyy

Time *--:-- --

Add Event

Host event view details page:

VIT Event portal

localhost:3000/viewdetails

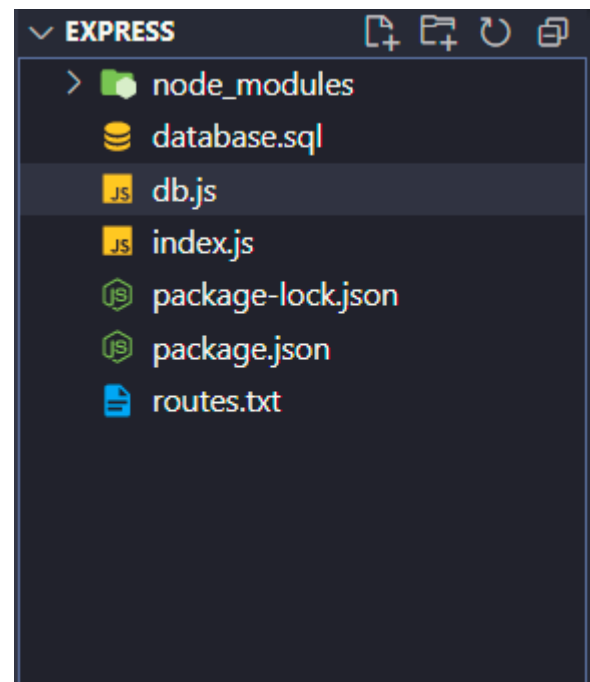
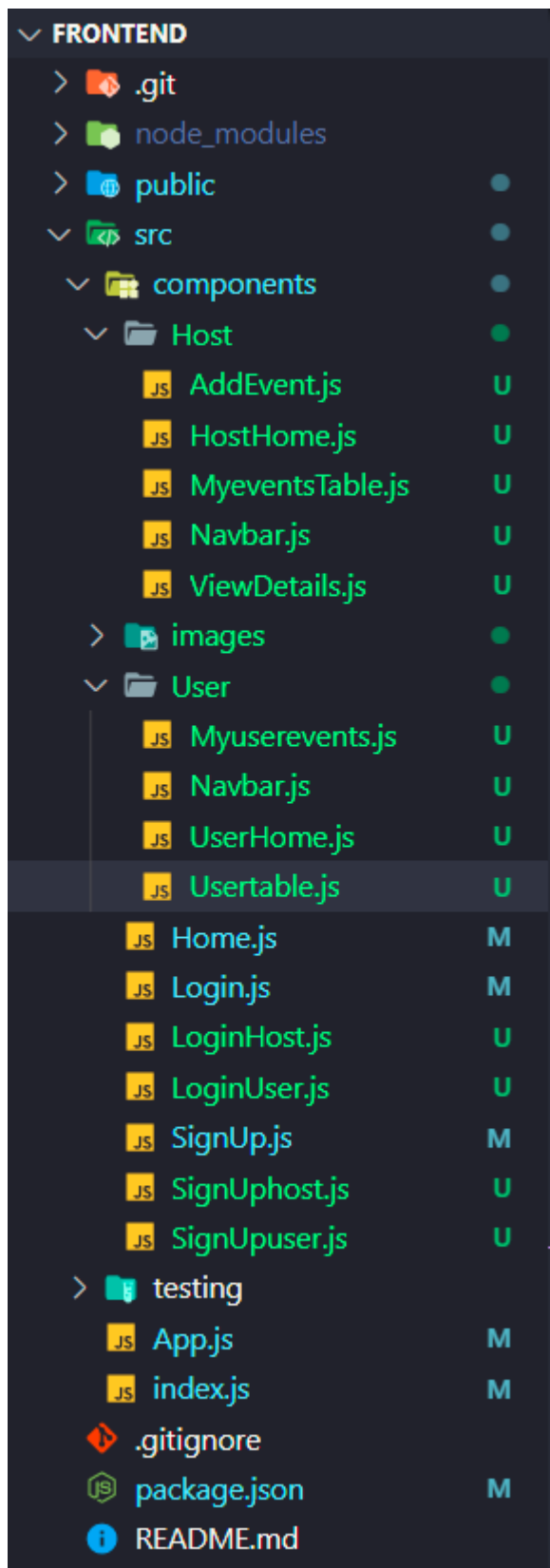
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View Registered Students

REGNO	NAME	MOBILE NUMBER
19BCE0655	Nikhil Saju	7867563300
19BCE2443	Ashwin Janardhan	7888456621
19BCI0034	Rahul Kumar	8977770045
19ECE0067	Aditya Singh	4523339000
19BCE0001	Jayakumar S	1234512345

SOURCE CODE



Home.js

```
import {
  Box,
  Stack,
  Heading,
  Text,
  Container,
  SimpleGrid,
  Image,
} from "@chakra-ui/react";

import Login from "./Login";

export default function Home({ user, setUser, host, setHost }) {
  return (
    <Box position={"relative"} minH={"100vh"} bg="purple.50">
      <Container
        as={SimpleGrid}
        maxW={"7xl"}
        columns={{ base: 1, md: 2 }}
        spacing={{ base: 10, lg: 20 }}
        py={{ base: 10, sm: 10, lg: 32 }}
      >
        <Stack spacing={{ base: 10, md: 2 }} mt={12} pt={3}>
          <Heading fontSize={{ base: "3xl", sm: "4xl", md: "5xl", lg: "6xl" }}>
            <Image
              borderRadius="full"
              boxSize="150px"
              src="https://i.pinimg.com/originals/12/4f/55/124f55209dacad4cffd468e2997e1dec.jpg"
            />
            VIT Event Registration Portal
          </Heading>
          <Stack direction={"row"} spacing={4} align={"center"}>
            <Text
              mb={{ base: 10, md: 4 }}
              fontSize={{ base: "lg", md: "xl" }}
              fontWeight="thin"
              color="gray.500"
              letterSpacing="wider"
            >
              Our VIT Event Registration System allows student users to register
              for events with one click. Clubs/Chapters event host can add and
              manage events.
            </Text>
          </Stack>
          <Login user={user} setUser={setUser} host={host} setHost={setHost} />
        </Stack>
      </Container>
    </Box>
  );
}
```

GitHub link: <https://github.com/Dripsama/VIT-event-registration-portal>