Vibes-Event Management Website

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Github Link: https://github.com/Affancharolia/WebDevProject

Presentation Link:
https://docs.google.com/presentation/d/1mcoQ9gqgnAnCkT6BZO2evnHZYmtdsjWDQEuKYckKuOI/edit?usp=sharing

Introduction:

With the world getting back on its feet after covid, people are looking to get back to their social lives by interacting with others. One of the best practices followed by individuals to socialize is to go for events. The goal of our project is to provide the platform where the event organizers find individuals interested in attending their events. Along with the attendees and the host of the events, this website will also provide a platform to the sponsors who are looking to get their product or service marketed to a target audience. They can do so by sponsoring events which best align with the audience they are looking to target for their product or service by sponsoring those events.[1][2]

Related Work:

B2B and B2C are terms used to define companies reach of their customer base. Facebook event and LinkedIn event are major players in today's Event management market. Other major players are Eventbrite, 10Times, AllTech Conferences, Colloq, Yelp, Eventful [3]. However, most of these are either B2B or B2C companies. Only Facebook and LinkedIn offer both B2B and B2C platform but not in their full sense. LinkedIn has a strong B2B platform when it comes to this use case but is not as strong when it comes to B2C. On other hand Facebook has a strong B2C platform but fails to offer a strong B2B platform for events. Vibes yearns to offer a strong B2B and a strong B2C platform, where the B which is repeated in both the acronym are the event organizing companies.

Proposed Idea:

The idea is to create a platform in form of a website which will help organizers post their events. An individual who is looking for events can see the list. The events are categorized helping the user to select based on his choice. Along with events there will be a page where there will be a list of companies. The organizers can look for companies which can be a potential sponsor by sorting them based on their profile. They can contact them and share their vibes profile to promote their event and get them as their sponsors.

Methodology:

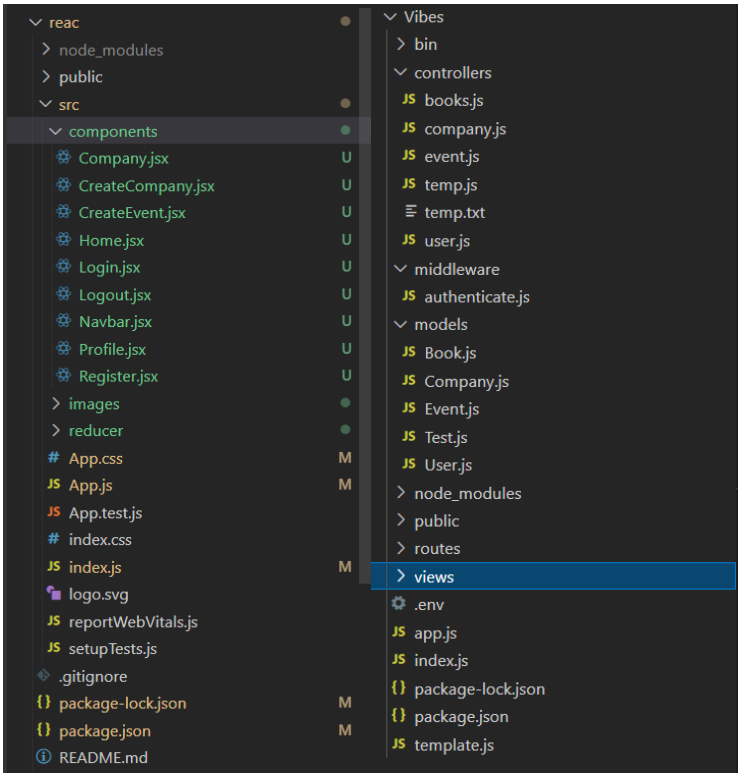
The project will make use of various front-end and back-end web languages to achieve its goals. The basic and the most important languages which will form the skeleton of the application are HTML and CSS. To add functionality, we will be using JavaScript functions. We will be making use of Mongo DB as the database for the project. We will be linking the back end with the front-end using Node.js which will send the back-end data to front-end in json format.

Features:

The website will have the login page if anyone wants to access the website. The features provided by the website includes home page which shows all the events, company page which will have the profile for all the available companies, creating event, creating company, archive to look at the events which have already happened for a particular organizer, a delete event page to permanently delete an event, a profile section. These are all the features provided by the website however their application and availability will be different for different user.
Individual- Will be able to see the event page (home page), company page, create event page, and create company page. Once he registers either an event or company, he will become an organizer or a company and will have access to additional features unique to other two.
Organizer- Will have event page (home page), company page, create event page, archive page, delete page and the profile page. The organizers will not have a create company page available to them. Their profile page will have a list of all their events they created including the archived events but not the deleted events.
Company- Will have the event page (home page), company page, profile page. The profile page for the company will include their information and the events they would like to sponsor and their contact details.

Results and Evaluation:

The front end part is stored in the reac folder. The App.js file is the file which make calls to all the components and then returns the combined HTML body for all the components to the main file which is index.js. The component folder contains all the components which are basically the body of our pages. All these components contain the html part which calls various react functions including react hook to query the data or store it. The navbar component contains the path to all the other components while these paths are defined in the main App.js file.



The working of the project is that in the react part, the App.js forms the main body which defines everything in the front end and the components makes call to the back end using various

function. The calls are received by the app.js file in the vibes folder which direct them to the controller files. These controller files have functions made using node and express which interact the database (MongoDB) to either query data from it or store data in it.

Conclusion

This platform in form of a website which will help organizers post their events. Any individual who is looking for events can see the list and list of companies which helps the users to select based on his choice which helps the organizers can look for companies which can be a potential sponsor by sorting them based on their profile. They can contact them and share their vibes profile to promote their event and get them as their sponsors.

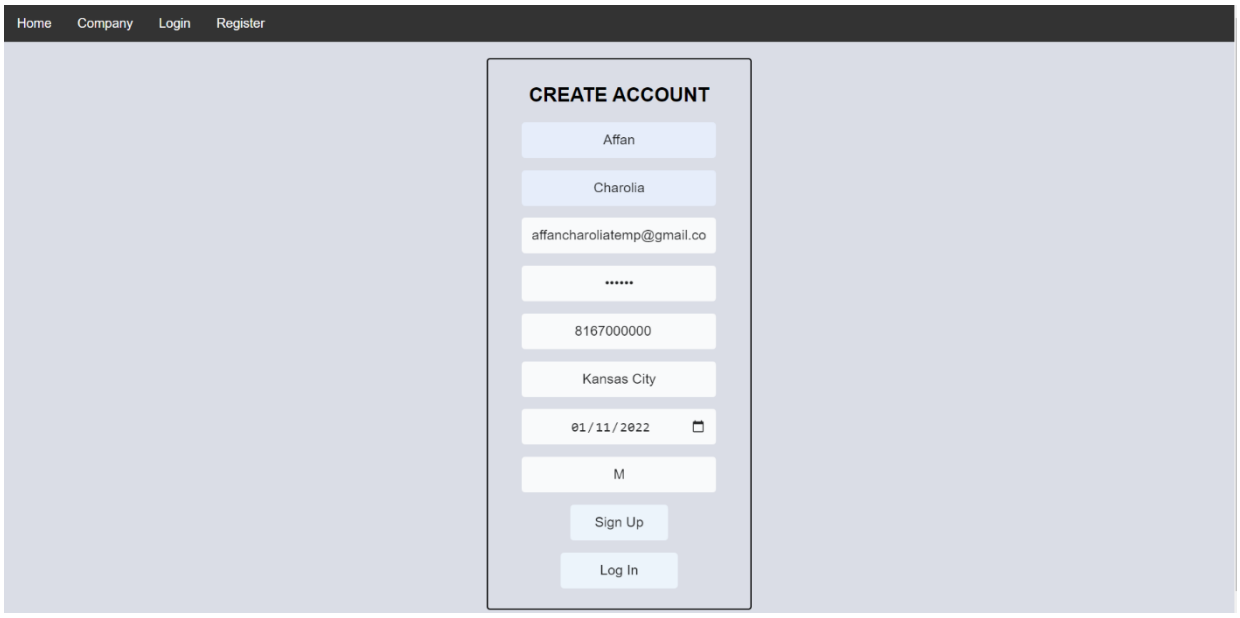
Improvements from Increment 2

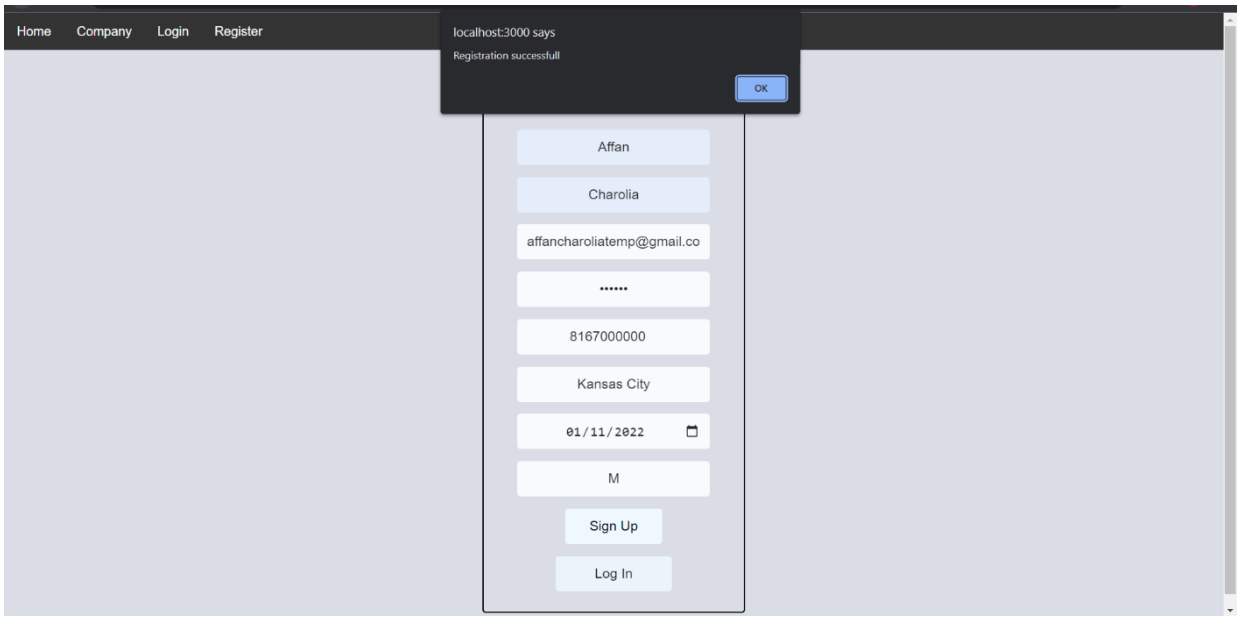
Increment 2 had the interface of the project and how the database would look like. From increment 2 we further went into MERN stack where we first created our backend using Express JS and NodeJS. The database we used here is Mongo DB, which is a NoSQL database. Express JS is the language which helps backend interact with the database. In the vibes section, the model's folder consists of the schemas for the project. The app.js file is the mail file which connects the front-end with the back end. Any path specified in the front-end for the back end goes through the app.js file. The app.js file in turn calls various functions which are stored in the controller folder. The files in the controller folder are used to query data and return the result back to the front end via the app.js file. The middleware folder has the authenticate.js file which verifies the user at each page and display information related to him accordingly.

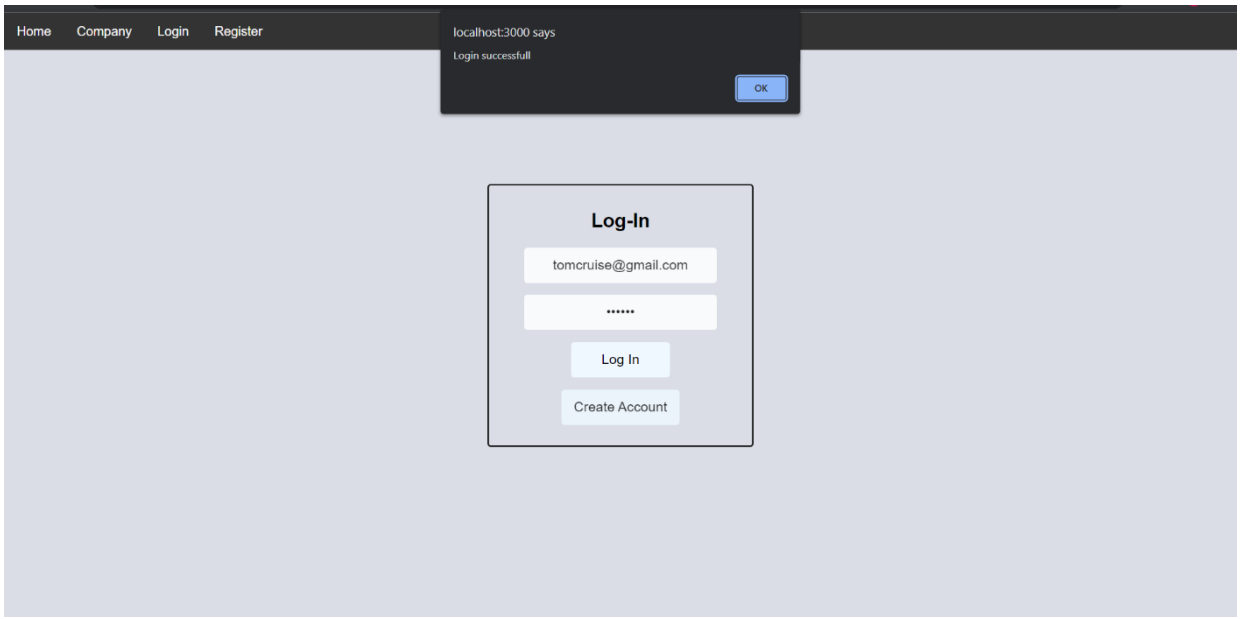
Working Screens from the Project

Step 1:

User has the option to register and Login. When not logged in they can see 4 tabs: For Home, Company, Login and Register. In the home page they can see all the events that are available and in the company page they can see the list of sponsors. Once logged in the system creates a token against the user which is used to store user information.

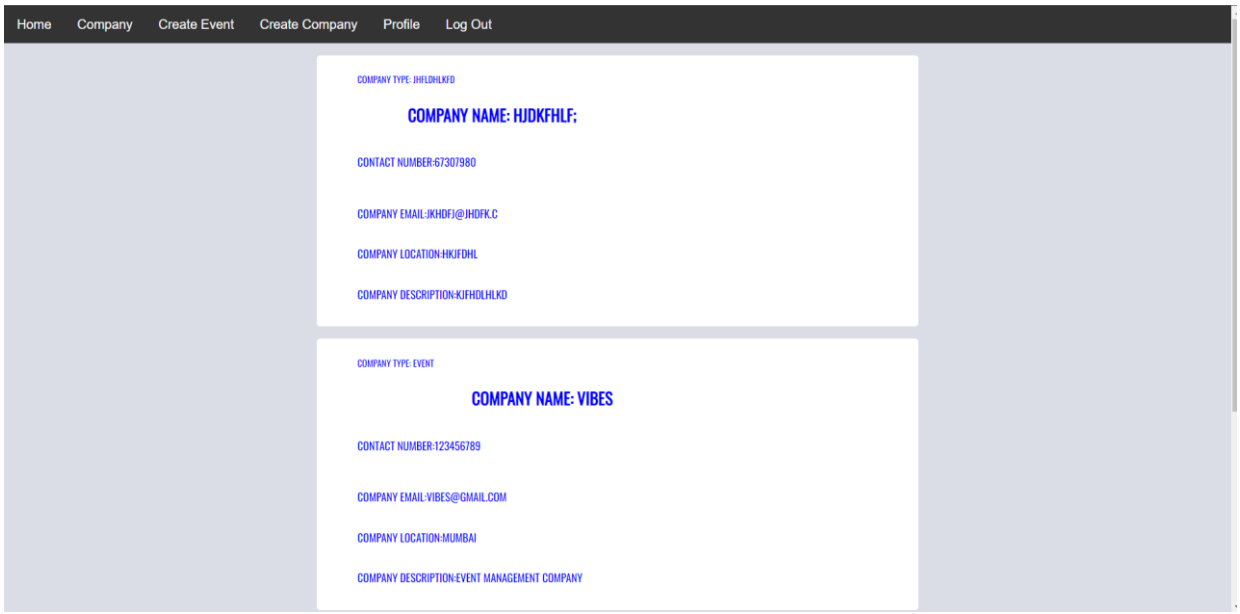


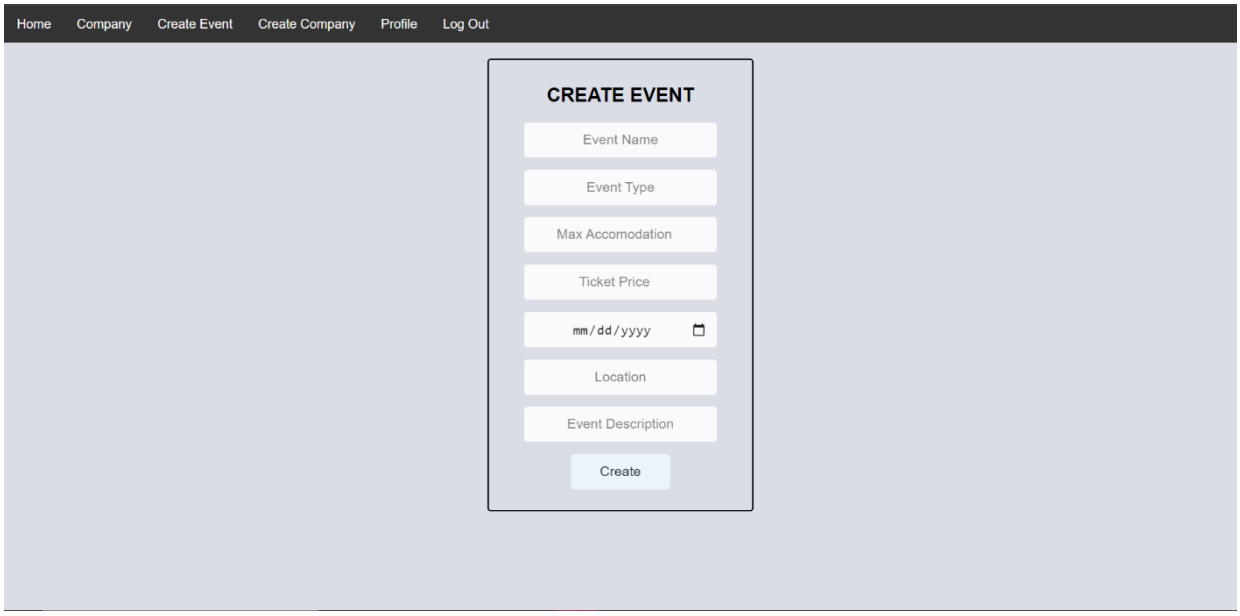


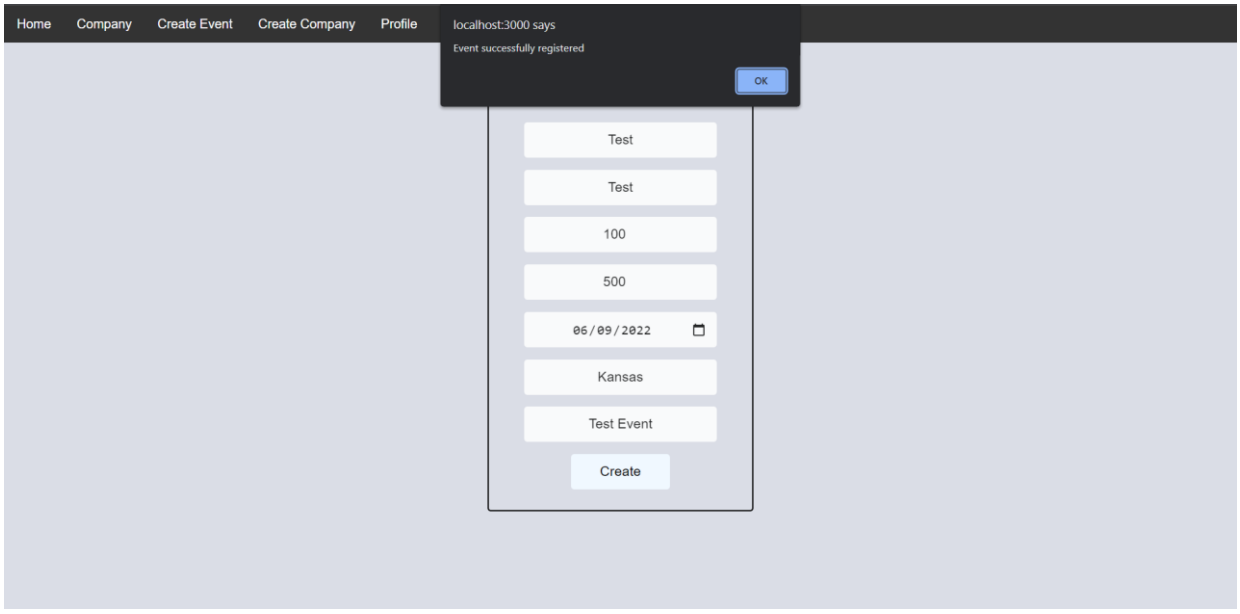


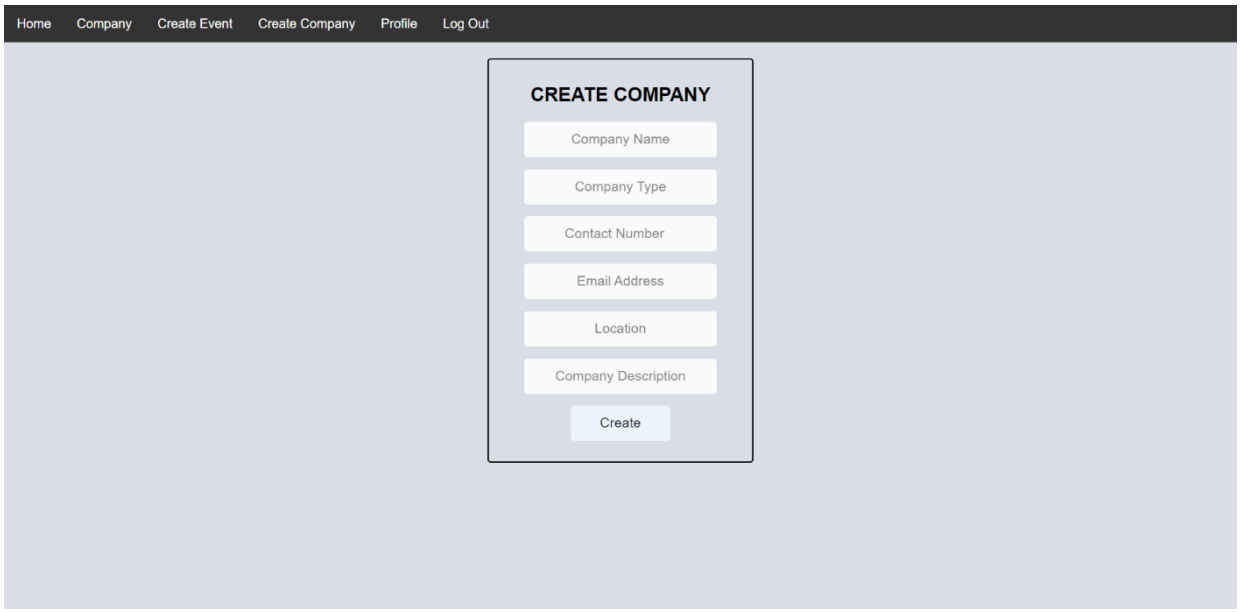
Step 2

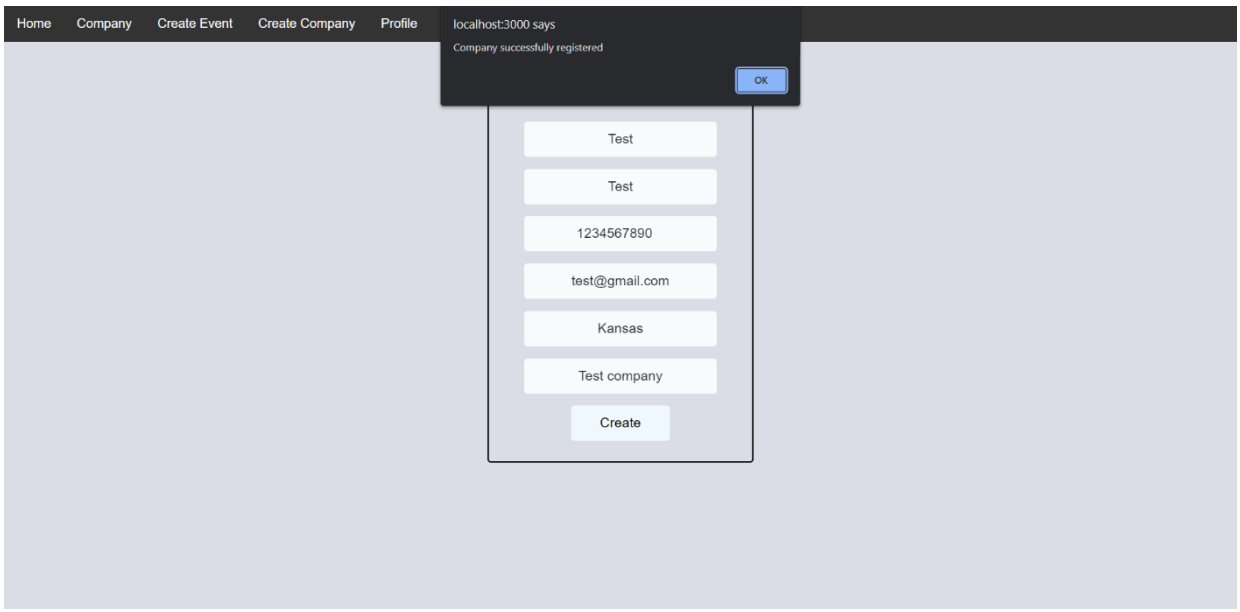
After getting logged in they can now see their profile, create event, create company and logout tabs. The user has the option to create a new company and an event, which when created gets registered against their profile.


Home
Company
Create Event
Create Company
Profile
Log Out
COMPANY TYPE: JHFLDHLKFD
COMPANY NAME: HJDKFHLF;
CONTACT NUMBER:67307980
COMPANY EMAIL:JKHDFJ@JHDFK.C
COMPANY LOCATION:HKJFDHL
COMPANY DESCRIPTION:KJFHDLHLKD
COMPANY TYPE: EVENT
COMPANY NAME: VIBES
CONTACT NUMBER:123456789
COMPANY EMAIL:VIBES@GMAIL.COM
COMPANY LOCATION:MUMBAI
COMPANY DESCRIPTION:EVENT MANAGEMENT COMPANY

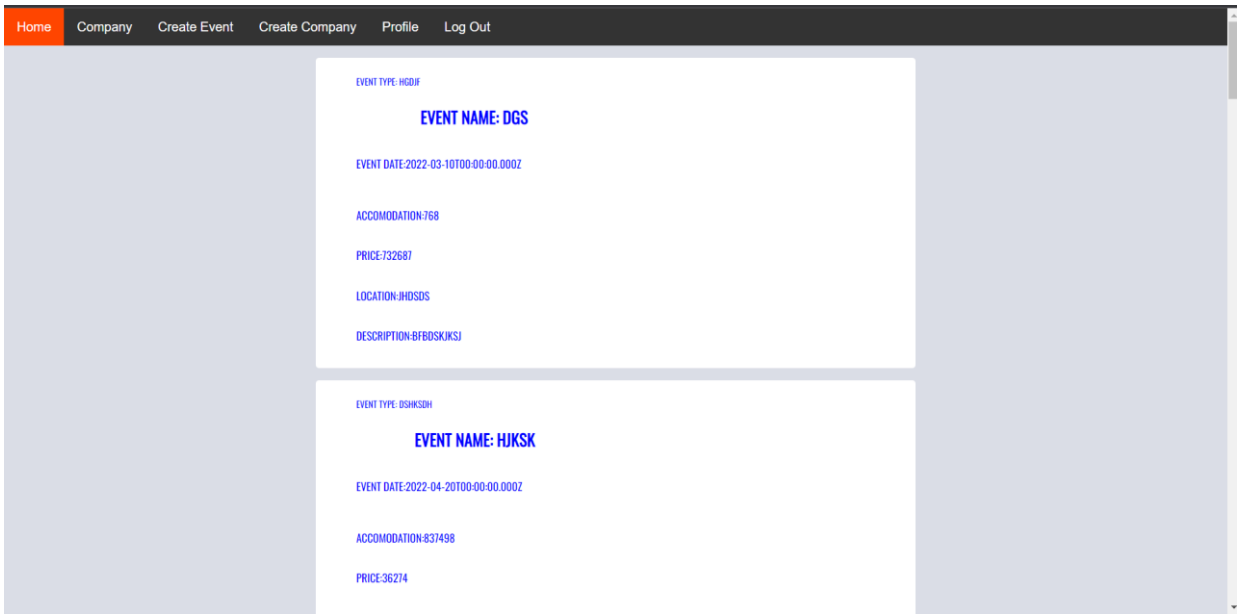

Home
Company
Create Event
Create Company
Profile
Log Out
CREATE EVENT
Event Name
Event Type
Max Accomodation
Ticket Price
mm/dd/yyyy
Location
Event Description
Create

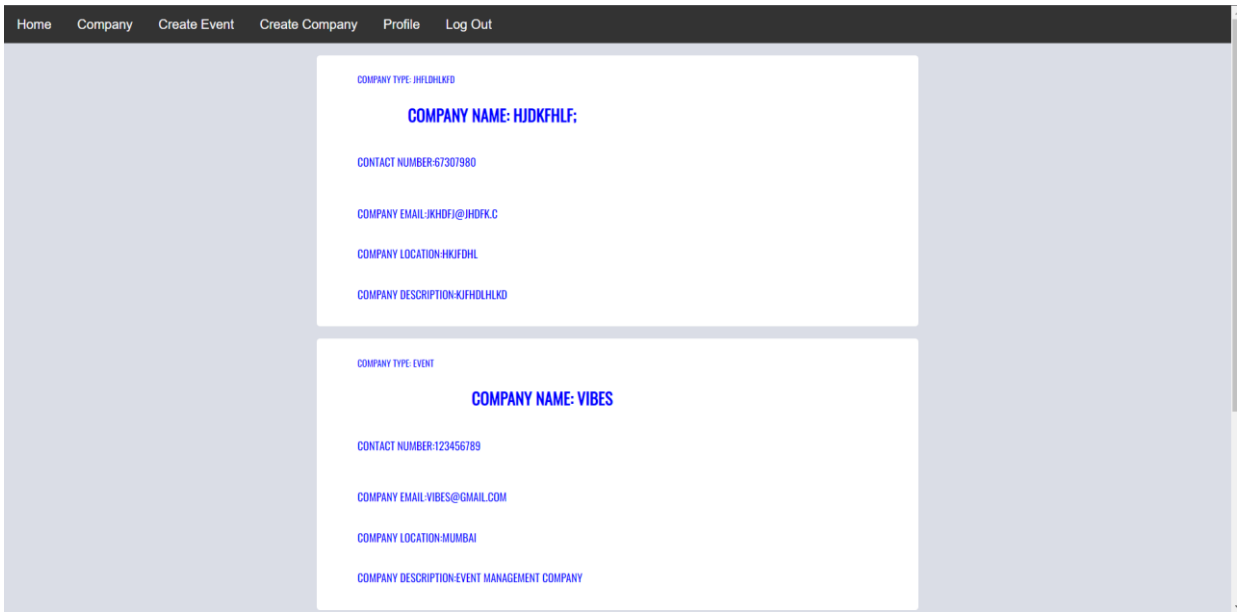

Home
Company
Create Event
Create Company
Profile
localhost:3000 says
Event successfully registered
OK
Test
Test
100
500
06/09/2022
Kansas
Test Event
Create



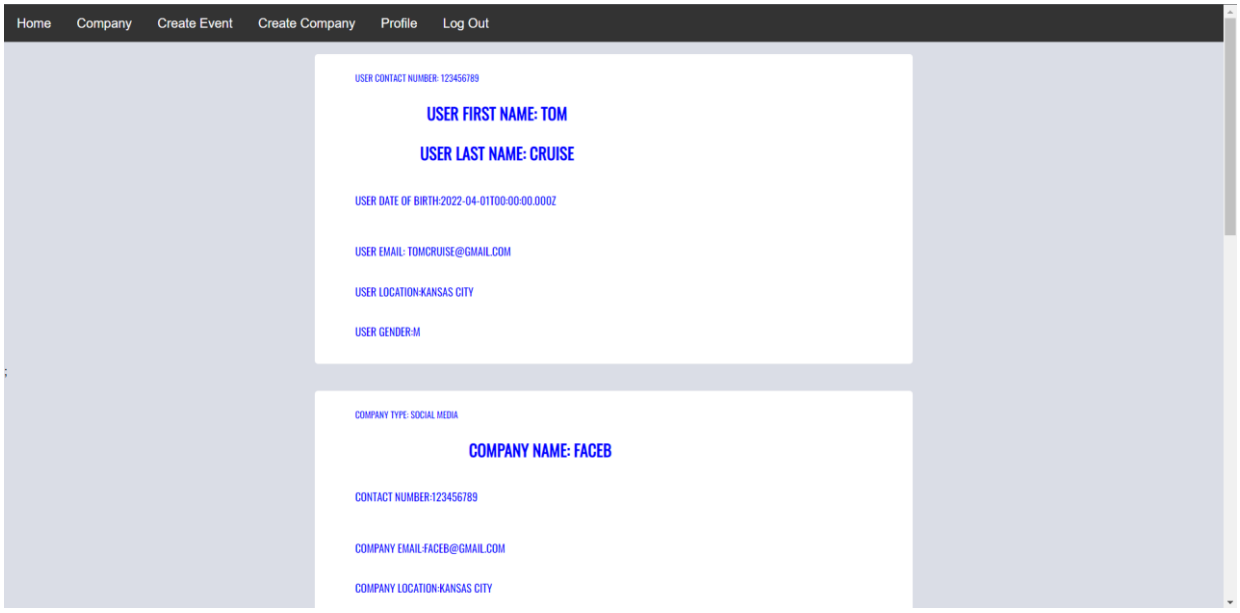


Step 3:
The user can see his created company and event in the home and company page sections. They are also added on against their profile. They can logout and then return to the login page where they started.

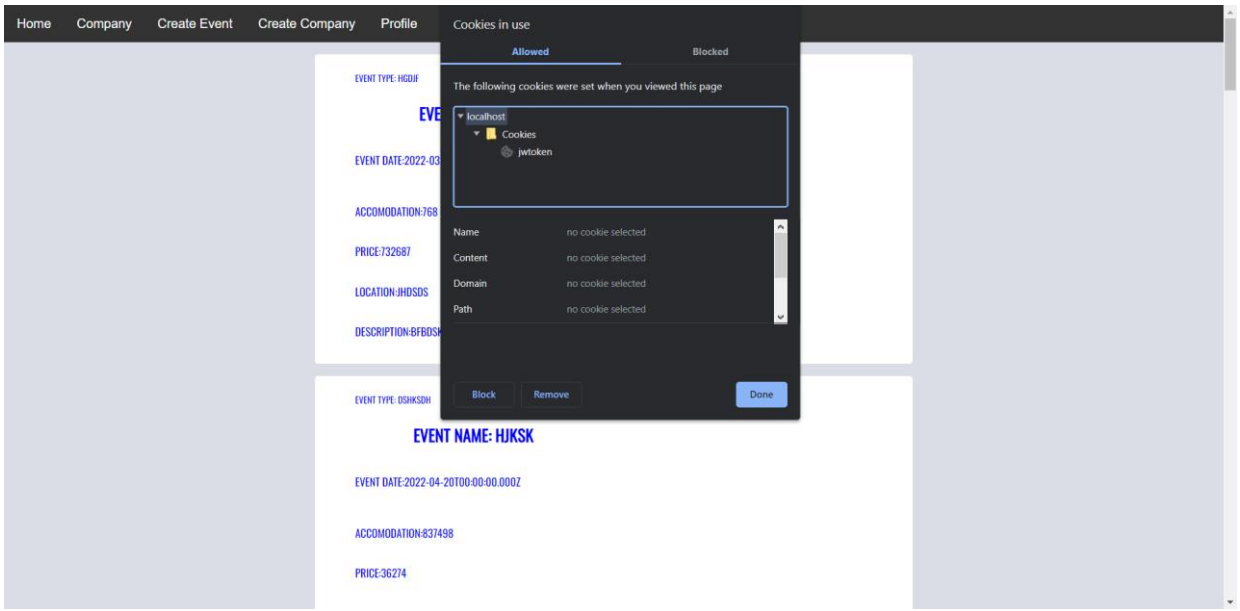




Profile Section:



Cookies Used:



Work Sharing Module Between Teammates

- Affan- Designed the website interface, functionalities, and backend database schema.
- Aqdus- Creating the express functionality to link backend with frontend.
- Priya- Creating the react application functionalities, CSS and bootstrap.

Issues

- Some of newer packages which were downloaded for the project were unstable and hence had to downgrade the version.
- The page losses the state on refreshing, which highlights a disadvantaging point of the react hooks.
- There is no body tag for each component and hence using different background images for each component is difficult.
- Using action in forms just call the function in the back end and in turn does not allow processing of data using JavaScript and hence it had to be replaced by hooks.

References:

1. P. J. A. Reusch and P. Reusch, "Event management - A special kind of project management," 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS), 2013, pp. 555-559, doi: 10.1109/IDAACS.2013.6662986.
2. M. Scatá, B. Attanasio, G. V. Aiosa and A. L. Corte, "The Dynamical Interplay of Collective Attention, Awareness and Epidemics Spreading in the Multiplex Social Networks During COVID-19," in IEEE Access, vol. 8, pp. 189203- 189223, 2020, doi: 10.1109/ACCESS.2020.3031014.
3. https://www.mequoda.com/articles/multiplatform-publishing-strategy/8-best-free-event-listing-websites/