

JFST Mini Project

Title: Givify

Team Members:

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Problem Statement:

In the realm of charitable food donations, there exists a gap in the online space where individuals or organizations seeking to donate surplus food to those in need lack a unified, accessible platform. Presently, the available websites that facilitate food donation often either focus solely on receiving donations or charge fees for monetary contributions. This fragmentation and financial barrier deter potential donors and recipients from easily connecting and sharing resources to prevent food wastage and aid those facing hunger.

Purpose:

Givify, a Java full-stack project, aims to create an accessible and free platform for individuals and organizations to donate surplus food and for those in need to receive it. By offering a seamless, fee-free exchange, Givify endeavors to reduce food wastage, facilitate easy access to donations, and foster a culture of social responsibility, thereby combating both food scarcity and environmental impact.

Tech Stacks:

Front-End:

- **ReactJS:** Utilized as the core technology. React is a JavaScript library for building user interfaces. It enables the creation of dynamic, interactive, and responsive front-end components, facilitating a seamless and engaging user experience **for the donors and recipients interacting with your food donation platform.**
- **MUI (Material-UI):** Utilized for pre-designed user interface components and styles, ensuring a consistent and visually appealing user experience in React applications.
- **Axios:** Used for simplifying HTTP requests and managing AJAX calls, enhancing network request handling within the web application.
- **react-router-dom:** Part of React Router, employed for client-side routing in single-page React applications, enabling efficient view management.

Backend:

- **Express.js:** This is the core technology that powers your server-side application. Express.js is a web application framework for Node.js, providing a robust foundation for building server-side applications and handling HTTP requests.
- **Node.js:** Utilized as the backend runtime environment for your application. It allows JavaScript to be executed on the server side, facilitating the handling of server operations and enabling efficient communication between the server and the front end.
- **MySQL:** This technology serves as your relational database management system (RDBMS), allowing you to store and retrieve structured data efficiently, crucial for managing and storing data related to food donations.

Runtime Environment:

- VS Code

Functionalities Implemented (Keywords):

1. Home Page:

- Navigation in the navbar and footer for seamless browsing.

- Social links to the gallery, FAQ section, and latest news updates.

2. About Us:

- Information about the team and the mission of Givify.

3. Contact Us:

- Options to email, call, or locate the address of Givify.
- Contact form for users to send messages or inquiries.

4. Donate Form:

- Exclusive access for logged-in users.
- Form for potential donors to provide details:
- Auto-generated ID for tracking purposes.
- Name, email, and phone number.
- Food category, quantity, and date of the food.
- Area and collection address for pickup.
- Additional message field.
- Status selection for the availability of the donation.

5. Receiver Form:

- Form for those in need to request food donations:
- Name, email, and contact number.

6. Donation Request Handling:

- When a receiver submits a request, the corresponding donation's status is updated to "unavailable."

7. Search Feature:

- This functionality enables users to search for available food items.
- Search by area to make it easier for receivers to find specific food items.

Abstract:

Givify is an innovative Java full-stack platform designed to address the disjointed landscape of online food donations. This solution fills a crucial gap by offering a unified system that connects food donors with recipients in need. The platform facilitates

seamless navigation through a user-friendly interface, empowering users to effortlessly donate surplus food items and for those facing food scarcity to request and receive donations. Givify's key features include a comprehensive home page with essential navigation links, an "About Us" section detailing the team and mission, and a "Contact Us" page for easy communication. Donors utilize a specialized form to provide detailed donation information, while recipients can request donations via a separate form. To enhance accessibility, a search feature allows for quick discovery of available food items. Givify's objective is to mitigate food wastage, promote accessibility to donations, and foster a culture of social responsibility, ultimately contributing to a more sustainable and compassionate society.

Libraries:

1. **MUI (Material-UI):** MUI is a valuable library for your React application. It provides a set of pre-designed user interface components and styles that adhere to the Material Design guidelines. MUI simplifies the process of creating a visually appealing and consistent user interface.
2. **Axios:** This library is a crucial component of your tech stack, used for making HTTP requests from your web application. It simplifies the handling of AJAX calls and is instrumental in facilitating data transfer between the client and server.
3. **body-parser:** While not a standalone technology, body-parser is a critical tool in your Node.js application. It functions as middleware for parsing request bodies, aiding in the handling of HTTP requests and data transfer between the client and server.
4. **Cors (Cross-Origin Resource Sharing):** CORS is another essential tool in your tech stack. It manages cross-origin requests and ensures secure resource sharing between different web applications. It's vital for handling requests from different origins in your application.
5. **react-router-dom:** While not a standalone technology, React Router is an essential library for client-side routing in your React application. The

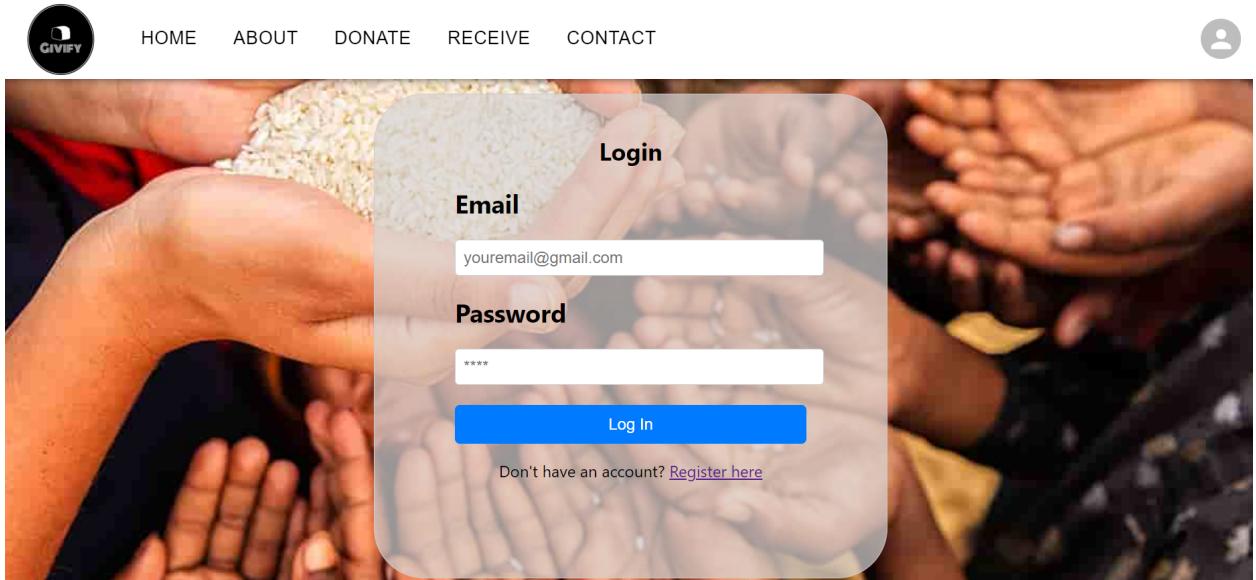
react-router-dom package is a part of the React Router, enabling efficient navigation within your single-page application.

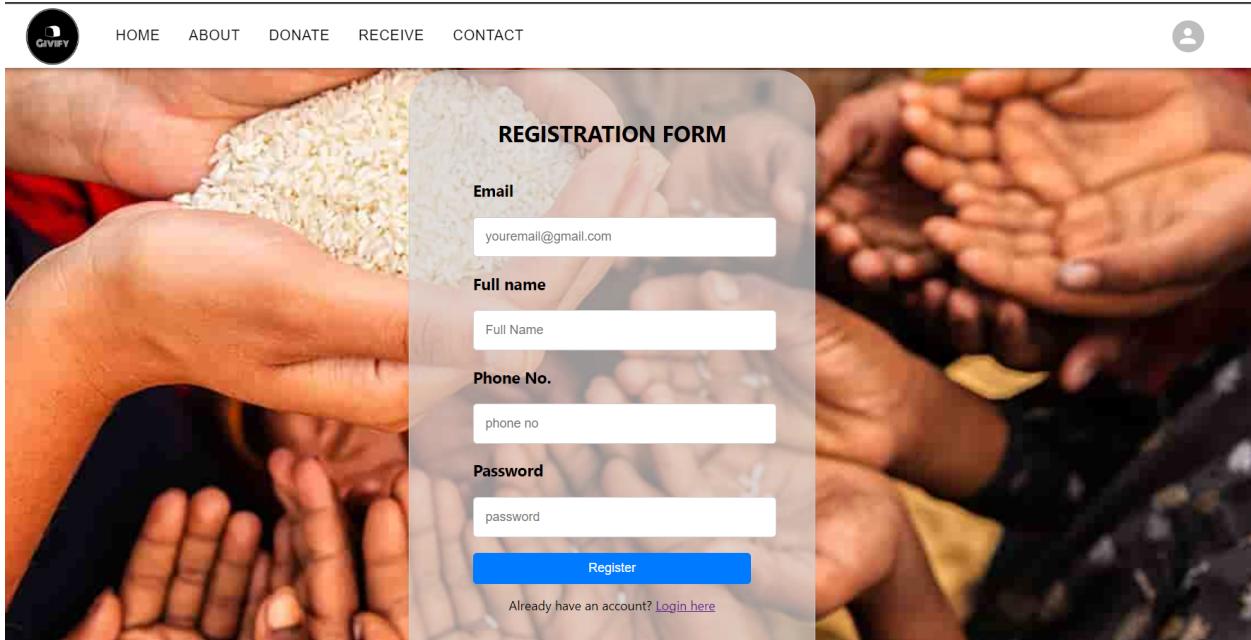
6. **react-modal:** React Modal is a library that simplifies the creation and management of modal dialogs within your React application. It enhances the user experience by allowing you to display pop-up windows with ease.
7. **React's useState Hook:** useState is not a library or tool on its own but a core feature provided by React. It's a hook used for managing component state within your functional components. React, as the main technology in your stack, incorporates this feature to handle component-level state and updates in response to user interactions.

Conclusion:

Images:

1. Register/ Login using Email verification:





2. Home page:

The home page features a large background image of a child's face and hands reaching for food. Overlaid on this is the Givify logo in large white letters, with the tagline "ELEVATING LIVES WITH EVERY MEAL SHARED" below it. A white "Donate" button is positioned in the center. On the left side, there is an orange rectangular box containing the words "SCALABLE" and "SUSTAINABLE" in white. To the right of the main image, there is a smaller inset photograph showing people serving food from a long table. The Givify logo is in the top left corner of the page.



HOW DO I SIGN UP?

It's Easy!

1. Join

Join GIVIFY by creating an account.

2. View

View the available rescues and pick one that fits your schedule.

3. Arrive

Arrive at the local food donor at the date and time you selected and follow the directions in the app.

4. Deliver

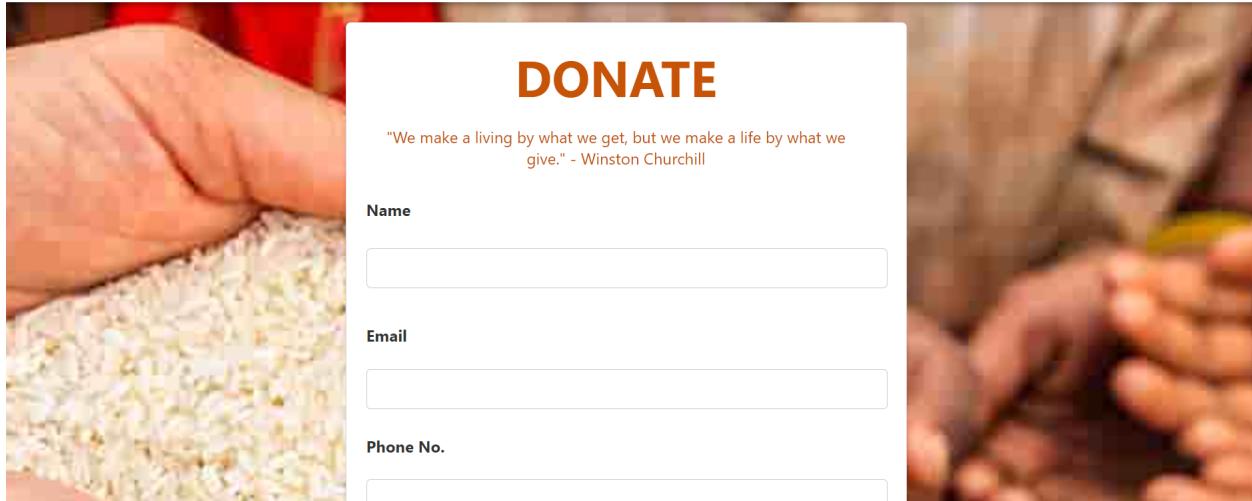
Drive the food to the social service agency listed in the app and see the impact of your volunteer time!



3. Donation page:



HOME ABOUT DONATE RECEIVE CONTACT



DONATE

"We make a living by what we get, but we make a life by what we give." - Winston Churchill

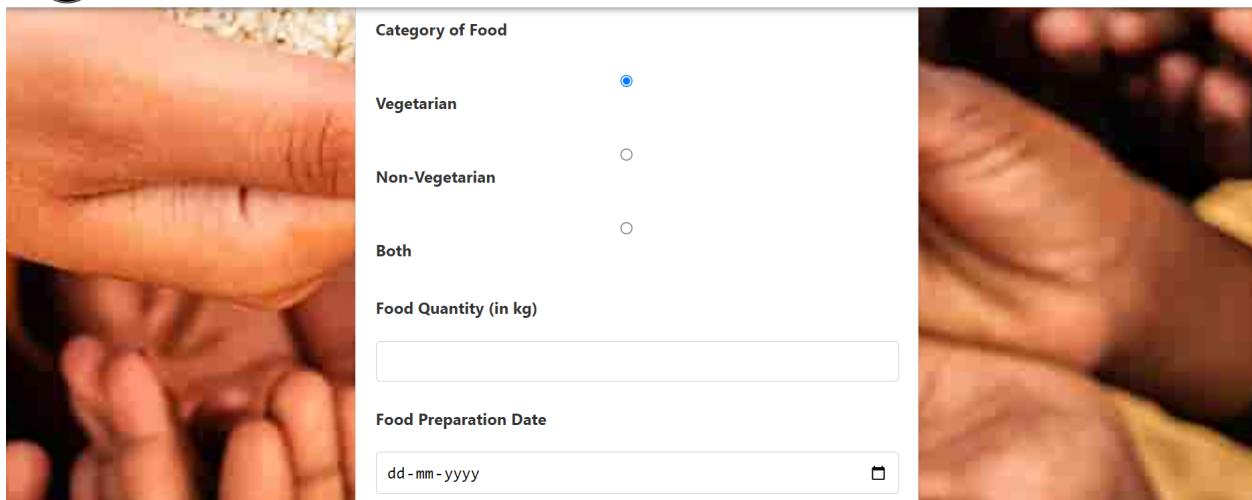
Name

Email

Phone No.



HOME ABOUT DONATE RECEIVE CONTACT



Category of Food

Vegetarian

Non-Vegetarian

Both

Food Quantity (in kg)

Food Preparation Date

4. Receiver page:



HOME ABOUT DONATE RECEIVE CONTACT



DONATION LIST

Search by Area

Search

ID: 3, Name: Riya

Email: riya@gmail.com, Phone: 8765456789

Food Category: non-veg, Food Quantity: 1

Area: Kothrud, Collection Address: Raj Hotel, Behind Main Bus Stop

Status :unavailable

ID: 5, Name: Komal Chaudhari



HOME ABOUT DONATE RECEIVE CONTACT



Status :unavailable

ID: 8, Name: Sejal

Email: sejal@gmail.com, Phone: 8765432345

Food Category: veg, Food Quantity: 2

Area: Pimpri, Collection Address: Sr.no.14/2 Near Om Apartment Bhau Nagar Pimpri

Status :available

Request



[Home](#) [About Us](#) [Contact Us](#) [Donate](#)

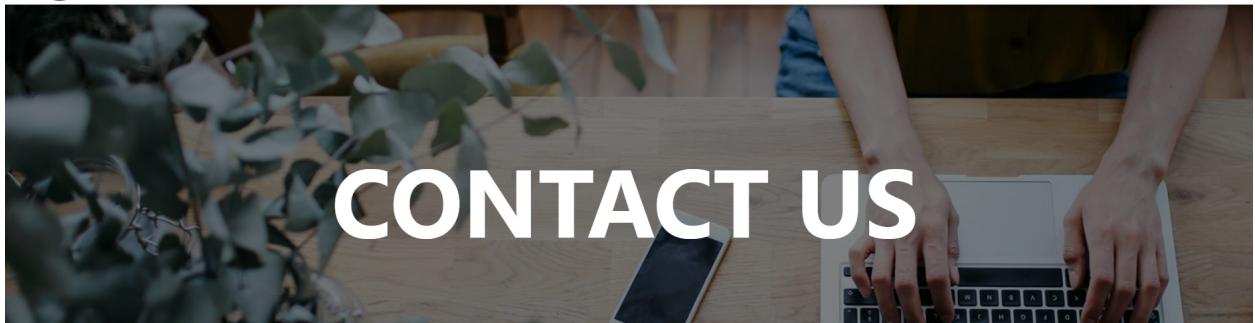


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5. Contact Us:



HOME ABOUT DONATE RECEIVE CONTACT



CONTACT US

Email Us

Send us an email at
example@example.com

Call Us

Call our support team at
+ 1234567890

Address

Visit our office at 123
Street, City, Country



HOME ABOUT DONATE RECEIVE CONTACT



HOW CAN WE HELP YOU

Feel free to contact us with your questions or
concerns.

Name

Your Name

Email

youremail@example.com

Message

Your message...

Submit

6. About Us:



HOME ABOUT DONATE RECEIVE CONTACT



ABOUT US

Welcome to our website! We are a team of passionate individuals dedicated to addressing the alarming issue of food wastage in densely populated countries like India.

Our Mission

Our mission is to address the alarming issue of food wastage in densely populated countries like India through an innovative internet-based application. This platform will facilitate the connection between restaurants, cafes, and individuals with surplus food, to organizations serving the needy, such as orphanages and old age homes. By redirecting surplus resources from being discarded into the hands of those who require them, we aim to

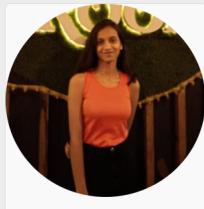


HOME ABOUT DONATE RECEIVE CONTACT



Our Team

Meet the dedicated individuals who are driving our mission forward. Our team is composed of experts in various fields, all working together to make a positive impact.



Komal Chaudhari



Mitasha Jadhav



Vaishnavi Jejurkar

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References:

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https://youtu.be/Lb9Basl0StM?si=ta5ST-P10Tc_lQDe

<https://nodejs.org/en/docs>

https://www.w3schools.com/react/react_usestate.asp

<https://www.npmjs.com/package/axios>

<https://mui.com/>

<https://github.com/>

<https://code.visualstudio.com/docs/nodejs/nodejs-tutorial>

VIDEO LINK-

<https://drive.google.com/drive/folders/12bZBQAvKqlDA78i-YIRxjTa9Ja3ngoT9>