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**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Full Stack Development Mini Project Report

On

Leftover Food Management System

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Overview of Various Full Stack Technologies Used:

Frontend Technologies:

- **React.js:** React is a JavaScript library developed by Facebook which, among other things, was used to build Instagram.com. It aims to allow developers to create fast user interfaces for websites and applications alike easily
- **HTML5 and CSS3:** Markup and styling languages for structuring and presenting content.
- **Material UI:** Material-UI is a popular React UI framework that provides pre-designed, customizable components based on Google's Material Design principles.

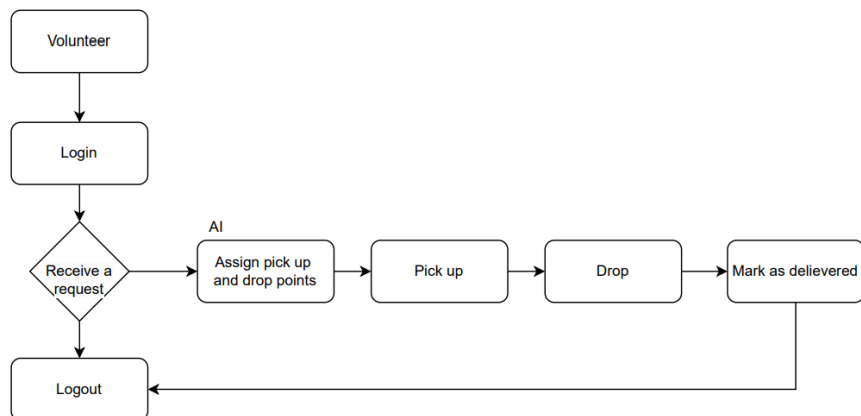
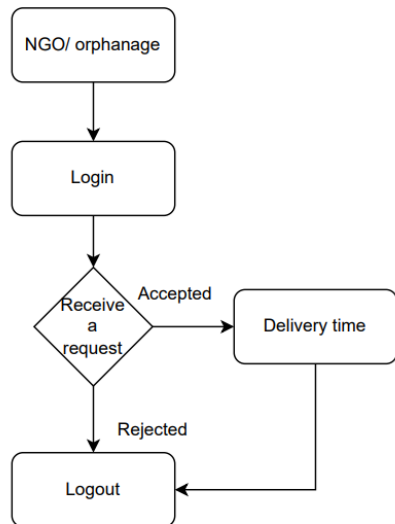
Backend Technologies:

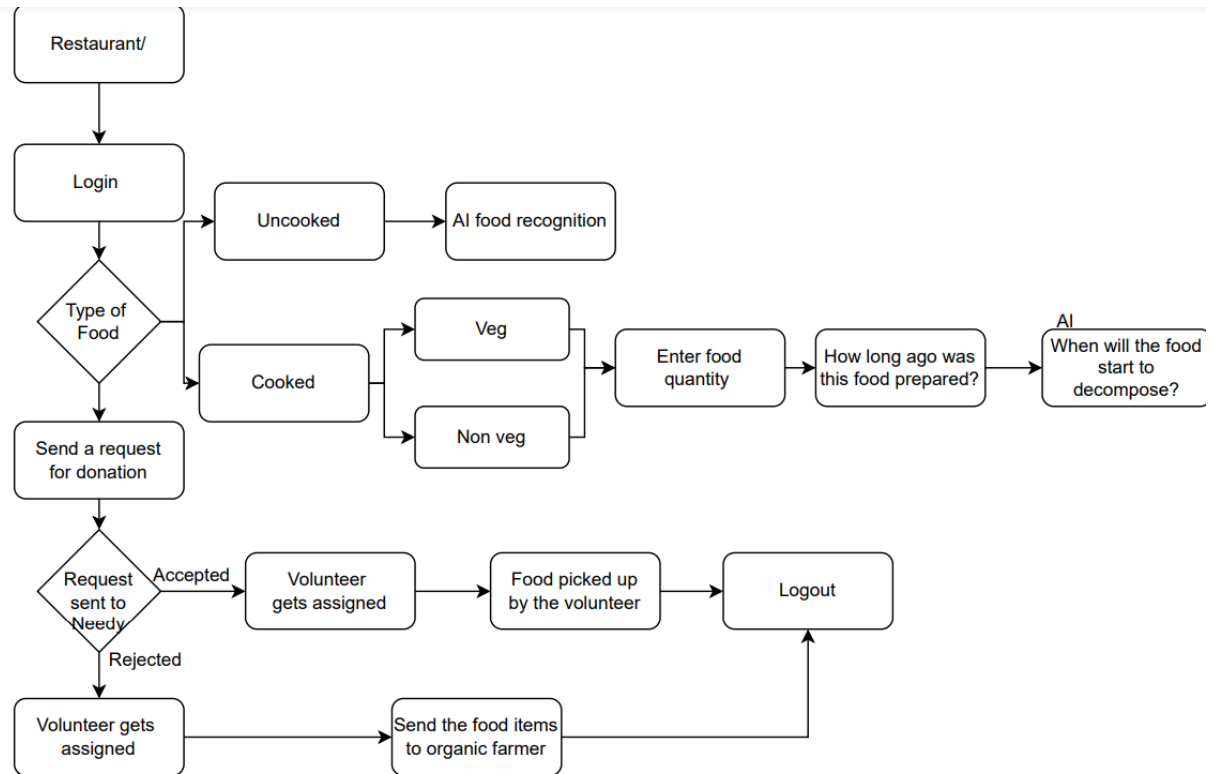
- **Node.js:** NodeJS is a framework of JavaScript which is mainly used for working with the backend of our application or building the backend using JavaScript, whereas ReactJS is a JavaScript front-end library.
- **Express.js:** A web application framework for building robust APIs.

Database Technologies:

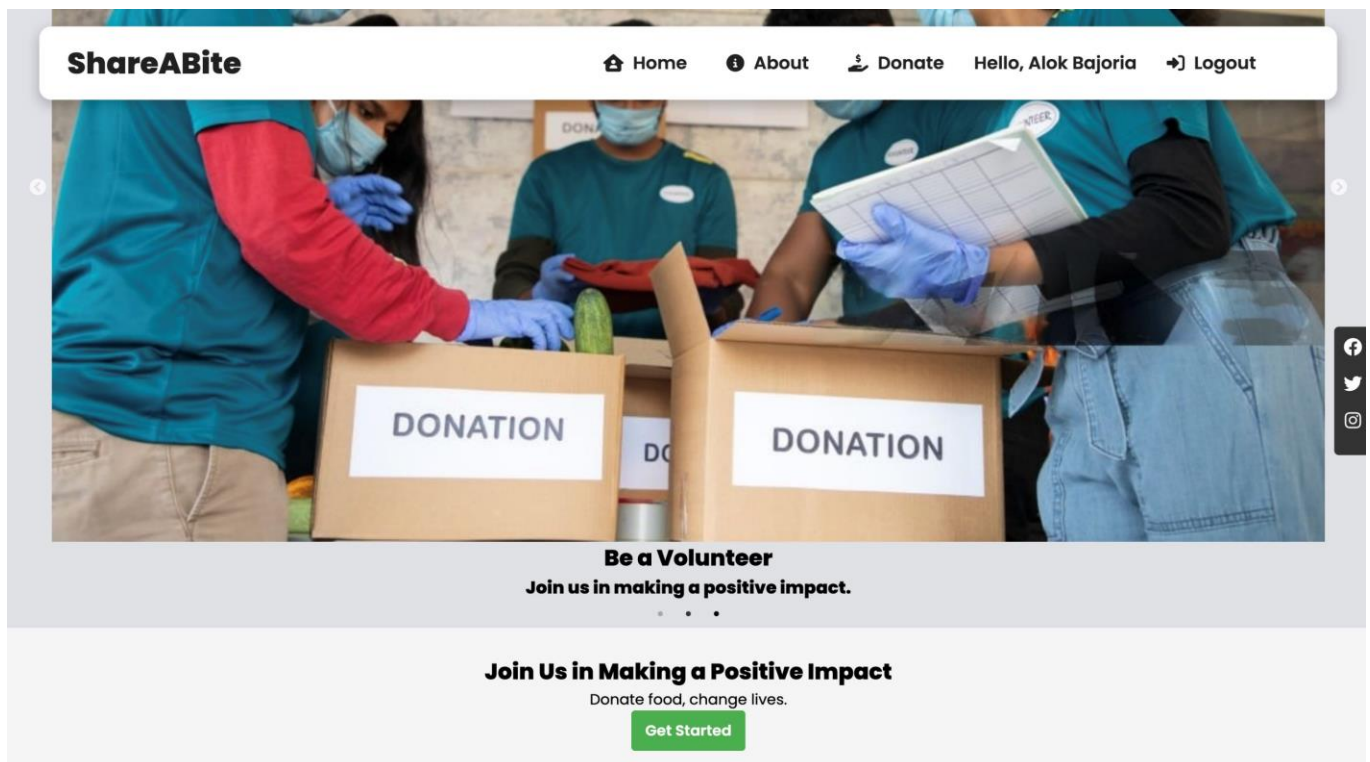
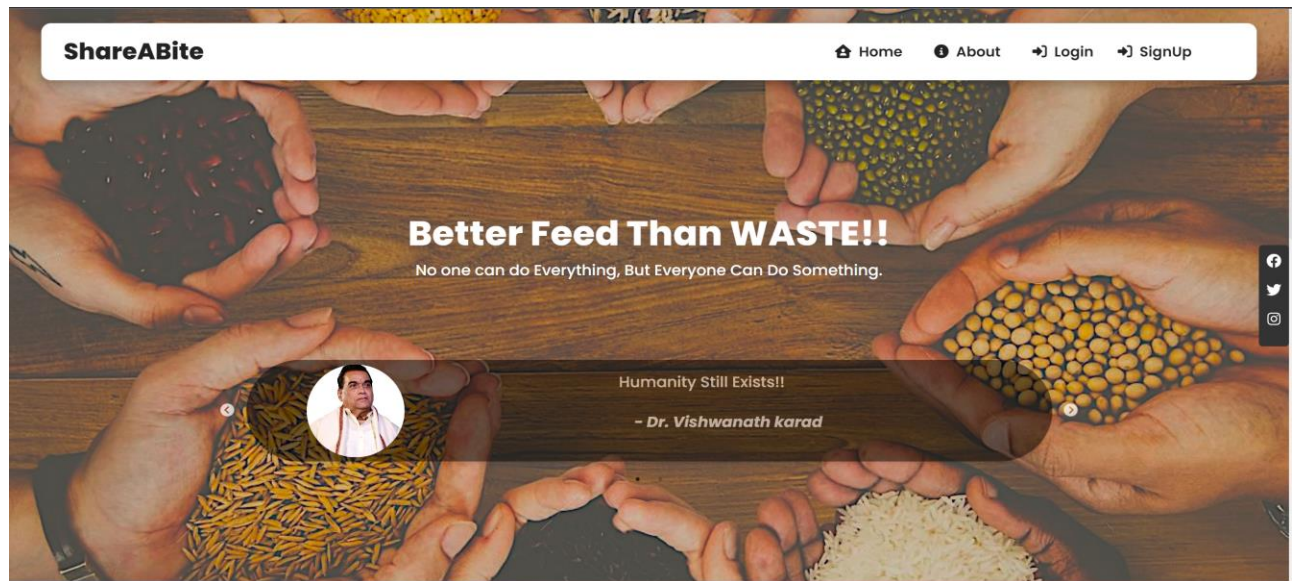
- **MongoDB:** MongoDB is a NoSQL database management application. NoSQL database systems offer an alternative to traditional relational databases using SQL (Structured Query Language). Data is stored in tables, rows, and columns in a relational database, with relationships between entities.

WorkFlow/Architecture





Screenshot of ShareABite Website:





Our Mission

At ShareABite, we are driven by a singular mission – to reduce food waste and contribute to a more sustainable future. Our mission is to bridge the gap between surplus food and those in need, cultivating a community where waste is minimized, and no one goes hungry.

Our Vision

"Our vision at ShareABite, is a world where leftover food transforms into a valuable resource, nurturing communities and preserving the environment. We see a future where individuals, businesses, and communities collaborate seamlessly to efficiently rescue and redistribute surplus food."

localhost:3000/about



How We Help

Getting the food to neighborhood organizations that assist those in need is, in our opinion, one of the best ways to minimize food waste because it guarantees that the food will be utilized where it is most needed.



Donate Food

Reduce food waste and make a difference through donations.



Rescue Food

"Rescue food and extend a lifeline to those in need."



Community Sustenance

"Feeding Those in Need."

BECOME A VOLUNTEER!

Donate Food

Reduce food waste and make a difference through donations.

Deliver Food**Community Sustenance**

"Feeding Those in Need."

Want to Join our Initiative?

To join us, please enter your email address here. We will send updates occasionally!

Full Name

Email Address

Locality

Gender

CANCEL

SUBMIT

**Log In**

Email Address

Password *

LOG IN

[Forgot password?](#) [Don't have an account? Sign Up](#)

Register with us!

Full Name *

Email Address *

Phone Number *

Password *

Confirm Password *

SIGN UP

[Go to Log In](#)

Food ●

Money ●

Category : Cooked

Item Name:

Quantity(kg):

0

Expiring In(hrs):

0

Submit

Pickup Address

State City

Zipcode:

Area:

Colony:

Apartment:

Flat Number:

Submit Address



TEST MODE

Food Donation

₹500.00

You Donate us and we will make sure to feed those in need.

[Change amount](#)

Pay with card

Email

Card information

1234 1234 1234 1234



MM / YY

CVC



Cardholder name

Full name on card

Country or region

India

☐ I'm purchasing as a business

Donate ₹500.00

Admin

Food

Money

Recent Donations

Donor Name	Volunteer Name	Donation Date	Category	Type	Status
Relax Pure veg	Ankit Dahiya	2023-11-12	Food	Cooked	Delivered
Durga	Yukta Saha	2023-11-14	Food	Cooked	Delivered
Anil Mehta	-	2023-11-16	Money	-	Success
Samudra Pure veg	Siddhi Dingorkar	2023-11-20	Food	Cooked	Delivered
Ratan Agrawal	Mahi Bohara	2023-12-04	Food	Raw	Delivered
Alok Bajoria	-	2023-12-06	Money	-	Success

Future Scope and Trends:

- Mobile Application: Develop a companion mobile app for increased accessibility.
- Analytics Dashboard: Provide detailed analytics on NGOs, Volunteers and Admins
- Integration with Restaurants: Collaborate with established restaurants for wider reach.
- Multi-language Support: Enhance inclusivity with support for multiple languages.

Conclusion:

The Leftover Food Management System (ShareABite) Website is a comprehensive solution to address food waste. By employing modern full-stack technologies, the platform provides an efficient and user-friendly experience. The integration of features like real-time notifications and secure authentication ensures a seamless interaction between donors and recipients. The project holds great promise for making a positive impact on reducing food waste and promoting sustainability.

References:

MongoDB Documentation: <https://docs.mongodb.com/>

Express.js Documentation: <https://expressjs.com/>

React.js Documentation: <https://reactjs.org/docs/getting-started.html>

HTML Documentation: <https://developer.mozilla.org/en-US/docs/Web/HTML>

CSS Documentation: <https://developer.mozilla.org/en-US/docs/Web/CSS>

Overall Project: <https://www.w3schools.com>

Material UI: <https://mui.com/material-ui/>