Re_Store
Use, Reuse, Repeat...

Presented by:

DIVIDE AND CONQUER (GROUP 4)

GITHUB LINK - RE_STORE

Why Restore ?

Affordability for Students

Short term use needs

Sharing and Responsible Culture

Introducing Re_Store

Enabling users to conveniently buy and sell second-hand items, promoting affordability and sustainability.

Facilitating users to auction items, ensuring competitive pricing and maximum value through a fair bidding process.

Allowing users to post specific item requests, helping match buyers with potential sellers .

Requirements

Product Listing

- Users can upload products they want to sell, providing details of the products

- Users can set the mode of selling (Buy now or Auction)

- Seller can remove the listed product anytime.

- Additionally, users can request for products currently not available

Auction Products

- Allows users to participate in dynamic, time-bound bidding for used products.

- Sellers can list products for auction, setting a starting base price and a bidding deadline.

- Buyers can place competitive bids, with the highest bidder at the end of the auction winning the product.

Requirements

Chat and Notifications

- Users are notified in email regarding the status of the product they listed.

- Additionally, a chat option is provided for users to communicate with each other without sharing their personal information.

Secure Payment

- Secure payment process, ensuring a smooth transaction.

- User receives immediate feedback that the payment has been processed successfully.

- This confirmation often comes in the form of a transaction ID or order summary to their registered email address.

Design

Model View Controller(MVC) Architecture separating the data, UI and logic.

Page-wise Views and Controllers
Separate logic for each feature page

The flow of data in an MVC architecture
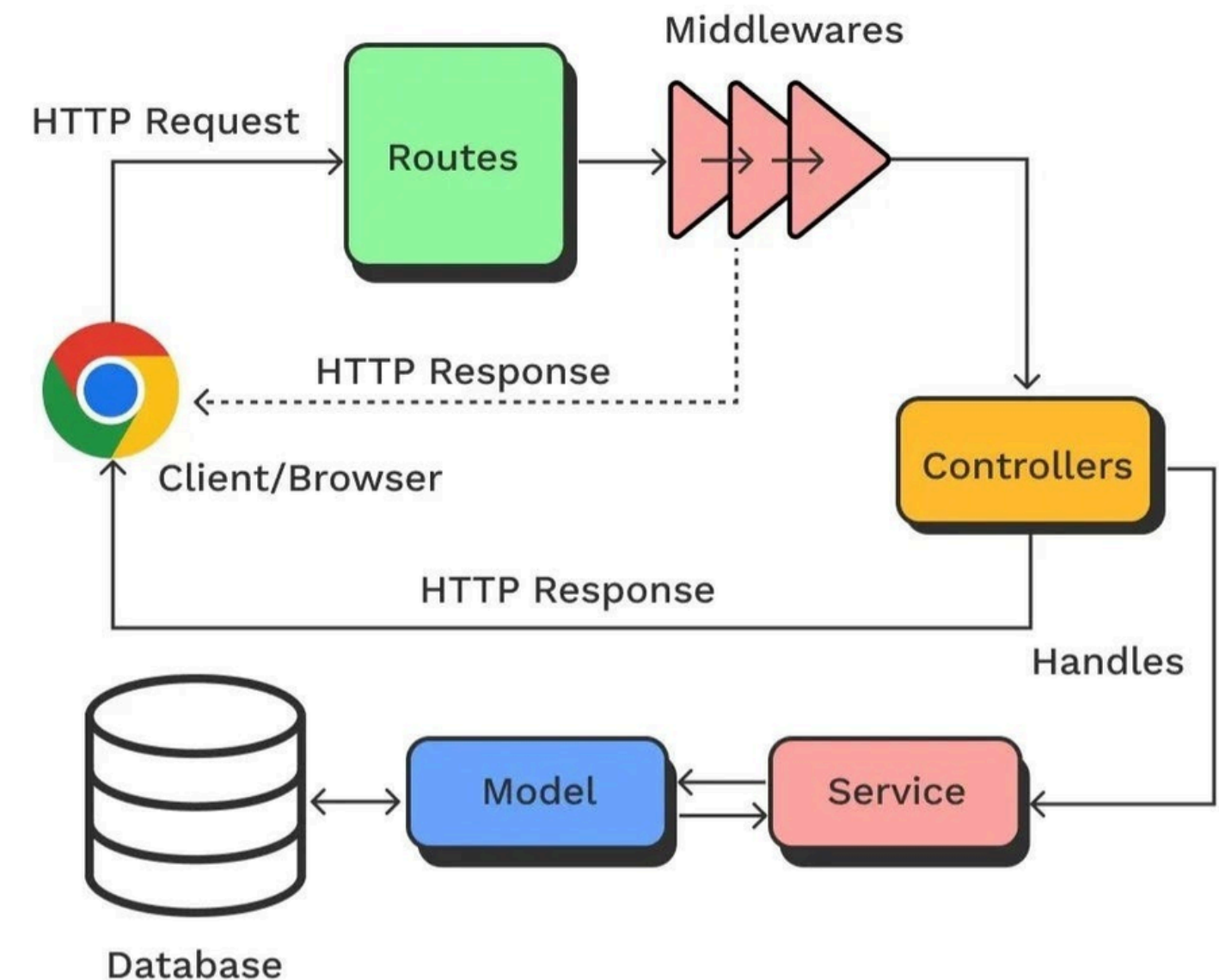
IMPLEMENTATION

🖥️ Frontend :
Built using React.js, along with HTML, CSS, and JavaScript, to create a responsive and dynamic user interface.

⚙️ Backend :
Developed with Node.js and Express.js, for a scalable and maintainable server-side logic.

📜 Database :
Utilizes MongoDB, a lightweight and fast database, ideal for local development and testing.

🪪 Authentication :
Secure authentication via Google SMTP, used for email-based verification and notifications.

HTML   CSS   JS

M   E   R   N

Live Demo!

https://re-store-ez2c.onrender.com/

Future Plans

1. MOBILE APPLICATION DEVELOPMENT

2. EXPANDING BEYOND THE CAMPUS COMMUNITY

3. AI-POWERED CHAT BOT FOR USER ASSISTANCE

4. INTEGRATED PAYMENT GATEWAY IN AUCTIONS

Lessons Learnt

Operational:

- **Team Work**

- **Plan Driven Process**

- **Responsibility and Accountability**

- **Time Management**

Technical:

- **Frontend**

- **Backend Development**

- **Version Control**

- **Database Handling**

- **Testing and Debugging**

- **Deployment**

OUR TEAM

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THANK YOU !