ENHANCING THE FEATURES OF RESTAURANT APPLICATION

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Abstract

- This project proposes the development of a modern restaurant application using React.js, a popular JavaScript library for building user interfaces. The application, named "Restaurant," aims to provide an engaging and interactive platform for both restaurant owners and customers, facilitating various aspects of the dining experience.

- Increasing the user interaction in the restaurant app. It delivers a consistent and optimized experience across various devices and screen sizes, including desktops, tablets, and smart phones.

- The application showcases restaurant menu in a visually captivating manner, featuring vibrant imagery,detailed descriptions, and customizable categorization for easy navigation.

Literature Survey

S.No.	Title of The Paper & Year	Authors	Methodology & Metrics	Observed Shortcomings/ Gaps in The Paper
9	User-Centered Design for Restaurant Apps: A Case Study	Ada Lovelace, Charles Babbage	Conduct accessibility audits. Use tools like WAVE or Axe to identify accessibility issues.	The client investigate and testing were conducted with a moderately little bunch of members, which may not speak to the broader client base.
10	Enhancing User Experience in Restaurant Apps Through Personalization	Tim Berners-Lee, Vint Cerf	Metrics: Task success rate, time on task, user satisfaction, and feedback on personalization features.	The broad information collection for personalization raised protection issues, which were not completely tended to within the study
11	Improving Accessibility in Restaurant Applications	Alan Kay, Adele Goldberg	Use tools like WAVE, Axe, or Lighthouse to identify accessibility issues.	The ponder fundamentally tended to availability issues related to visual disabilities, possibly dismissing other incapacities such as hearing or engine impairments
12	Augmented Reality Menus in Restaurant Apps	Steve Jobs, Jony Ive	Conduct workshops and focus groups to gather requirements and expectations for AR menus	Creating and keeping up AR highlights required critical speculation in innovation and resources.

Requirements

Software Requirements:
- Operating System : Windows
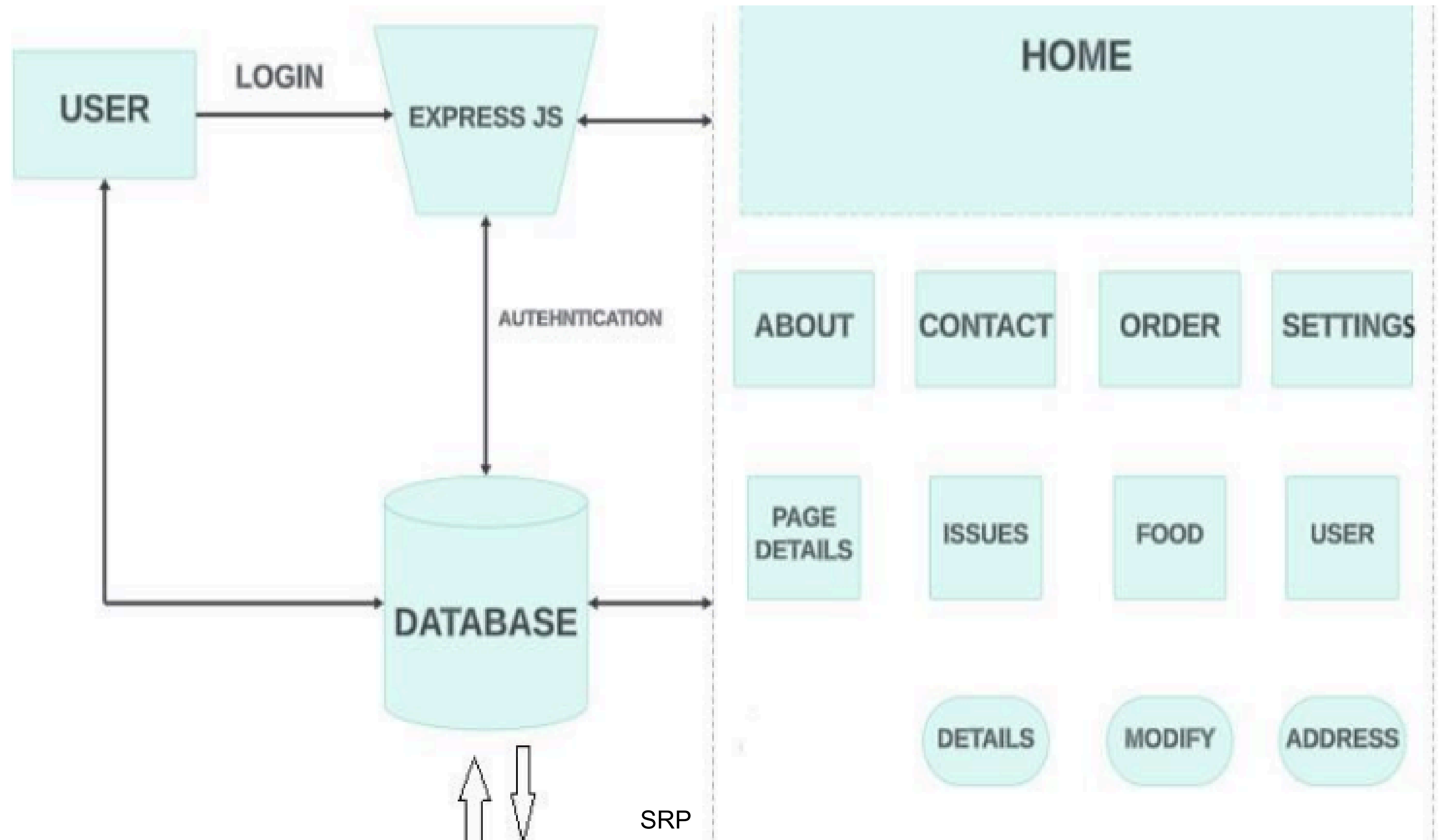- Programing Languages :React Js

Hardware Requirements:
- **Processor :** Intel Core i3 or equivalent
- **Ram:**8GB or above
- **Processor:**2.4GHz
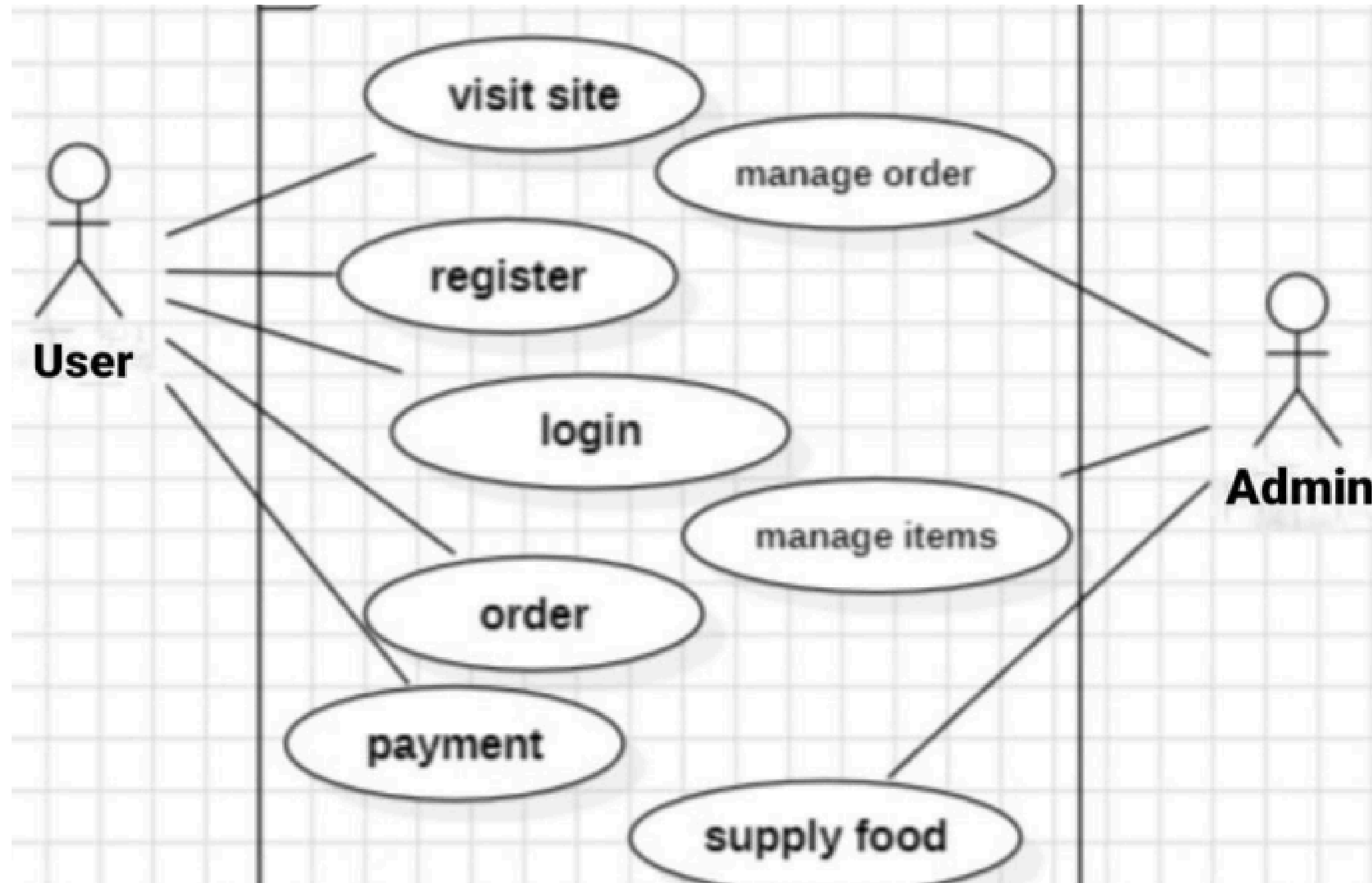- **Hard Disk Drive:**250GB or More

Proposed System

- Upgrade client interaction by including real-time chat back, personalized suggestions, and social media integration.
- Create a responsive plan to guarantee a reliable, optimized encounter over desktops, tablets, and smartphones. Actualize openness highlights such as screen peruser compatibility, console route, and tall differentiate modes to cater to different client needs.
- Optimize execution for quicker stacking times and effective asset utilization, ensuring smooth operation on gadgets with constrained handling control or organize network.
- Simplifies menu browsing, making it easier for users to find specific dishes.Upgrading availability by utilizing ARIA Label in HTML.
- Enhances accessibility and usability, catering to users regardless of their device.

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System Architecture

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Design – UML Diagrams

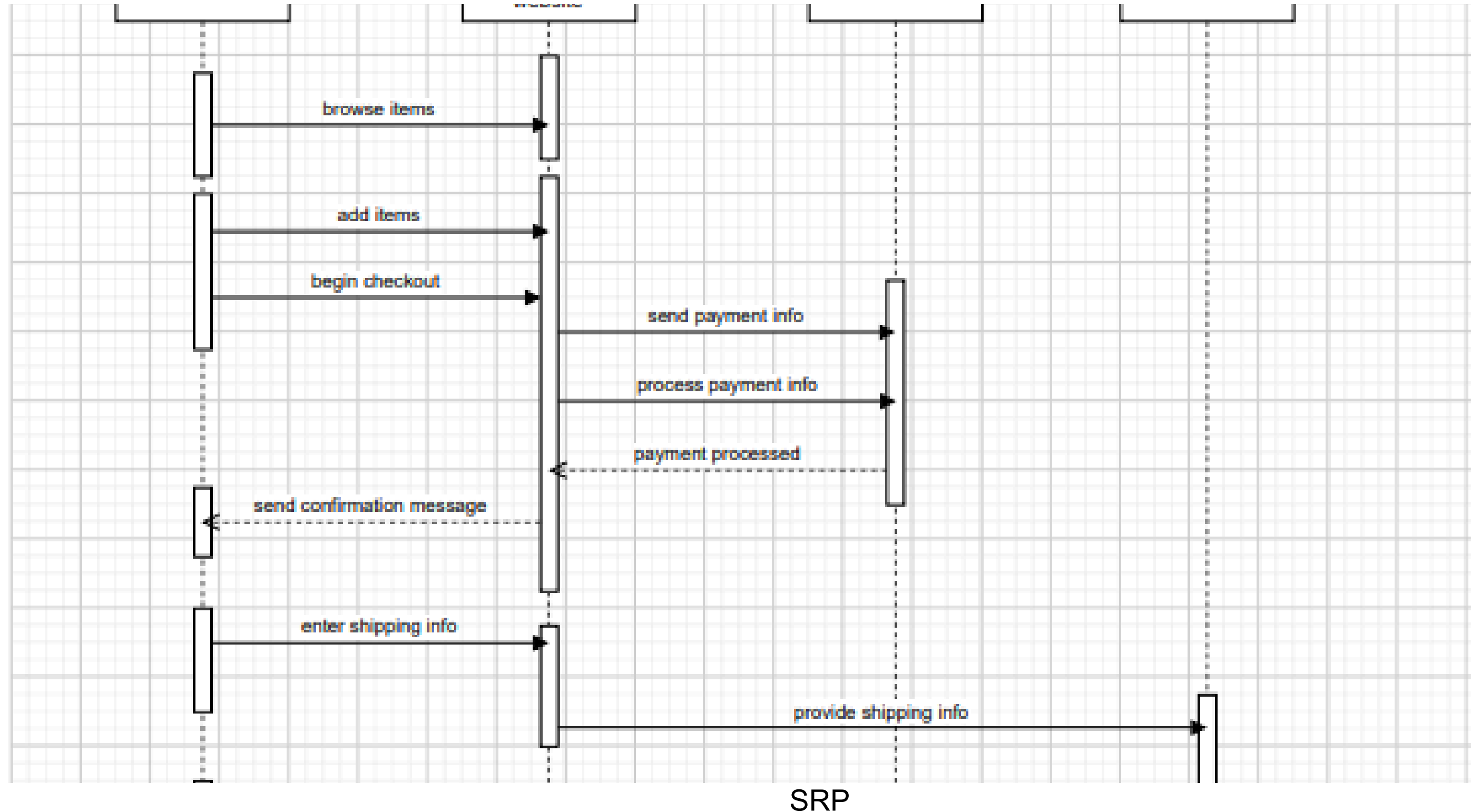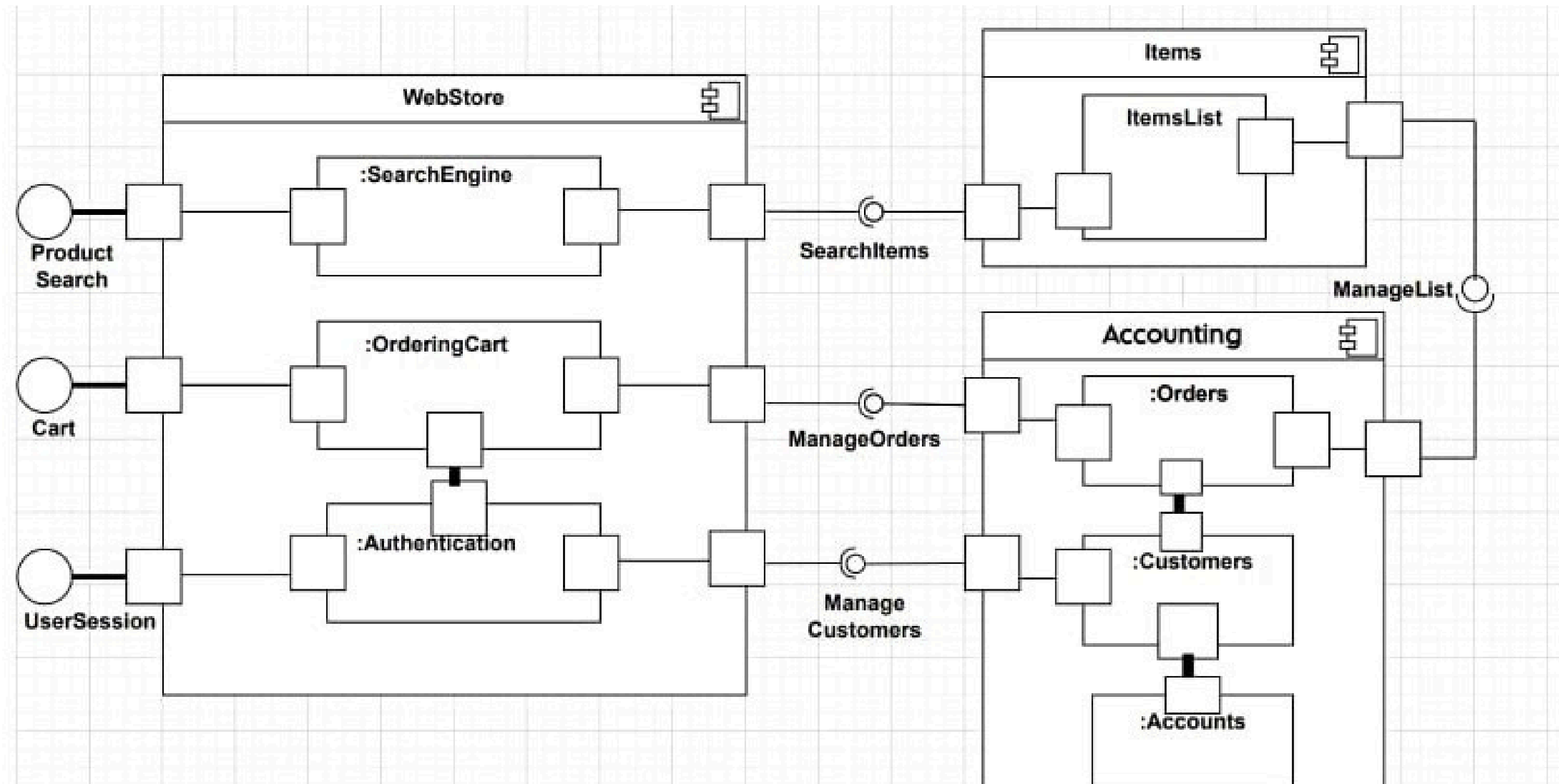- Use Case Diagram

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Design – UML Diagrams

- Class Diagram

User settings

+email

+respective animations and colors and font sizes

+address details

+updation_details_database(email, addressdetails.another_fields)

TextToSpeech

+• convertTextToSpeech(text: string): void

Contact us

+email

+issue information

+enhancement proposals

+form_validation()

Order now

+menuItem: MenuItem

+quantity: number

OrderCancellation

+OrderId

+cancelOrder(orderId)

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Design – UML Diagrams

- Sequence Diagram

browse items

add items

begin checkout

send payment info

process payment info

payment processed

send confirmation message

enter shipping info

provide shipping info

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Design – UML Diagrams

- Component Diagram

Implementation

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```
ome
Component {
people globally.
className="heading-person">Julia Child:</span>  "People who love to eat are always the best people."

className="heading-person">Description :</span>Julia Child highlights a charming and universal truth: those who have a passion for foo

qs">
"faq-heading">Frequently Asked Question</h1>
="question-answer-con">
Name="ques">
received the wrong order. What should I do?</h2>
you receive the wrong order, please contact our customer support team through the app's help section. Provide details of the issue, an

Name="ques">
ly order is late. What should I do?</h2>
your order is running late, you can track its status in the app. If you need further assistance, contact our customer support team for

Name="ques">
low do I report a problem with my order?</h2>
report a problem, go to the "Help" section in the app and select "Report an Issue." Provide details about the issue, and our support t

Name="ques">
Can I save my favorite restaurants and orders?</h2>
, you can save your favorite restaurants and past orders for quick and easy access. Simply tap the heart icon next to the restaurant o

Name="ques">
w do I leave a review for a restaurant?</h2>
ter your order is delivered, you will receive a prompt to rate and review the restaurant. Your feedback helps us improve our service an

Name="ques">
o you offer catering services?</h2>
me of our partner restaurants offer catering services. You can find and book catering options directly through the app under the "Cater
```

JS Login.js

C: > Users > anil2 > Downloads > JS Login.js > [∅] default

```js
1   import React from "react";
2   import "./Footer.css";
3   import { MdLocationOn } from "react-icons/md";
4   import { FaPhoneAlt } from "react-icons/fa";
5   import { MdEmail } from "react-icons/md";
6   function Footer() {
7       return <div className="footer-section" style={{marginTop:"20px"}}>
8           <div className="component-section">
9               <h1>ABOUT restaurant</h1>
10              <p>the restaurant offical offcie is present at near gokaraju ranga raju college</p>
11              <p><MdLocationOn/> 3rd Street, LA</p>
12              <p><FaPhoneAlt/> +1(088) 456 888 (24/7)</p>
13              <p><MdEmail/> info@domain.com</p>
14          </div>
15          <div className="component-section">
16              <h1>OUR SERVICES</h1>
17              <p>Social Marketing</p>
18              <p>Email Marketing</p>
19              <p>Refer And Earn</p>
20              <p>Creative Management</p>
21          </div>
22          <div className="component-section">
23              <h1>CUSTOMER SUPPORT</h1>
24              <p>FAO</p>
25              <p>Knowledge Base</p>
26              <p>Online Support</p>
27              <p>Privacy Policy</p>
28              <p>Terms & Condition</p>
29          </div>
30          <div className="component-section">
31              <h1>USEFUL LINKS</h1>
32              <p>Our terms</p>
33              <p>Company story</p>
34              <p>Legal Terms</p>
35              <p>Partners</p>
36              <p>Recent news</p>
37          </div>
38      </div>;
39  }
```
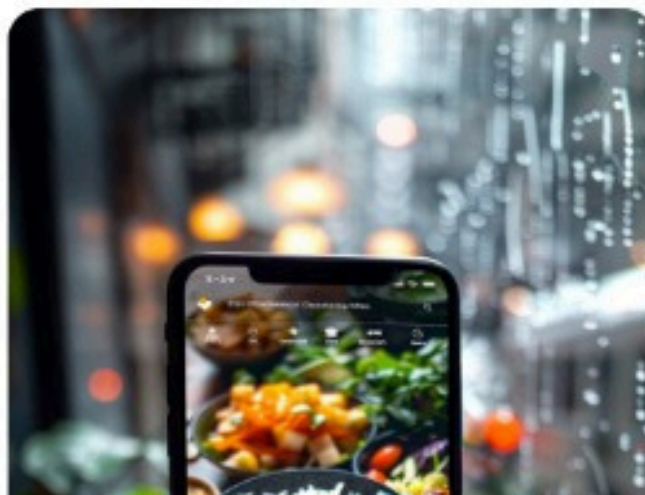
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Results

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Welcome to
Delish Dishes

"At **Delish Dishes**, we bring the best restaurants foods to you, so you can enjoy a variety of cuisines from the comfort of your home. Whether you're craving a quick bite or planning a family dinner, we've got you covered with a wide selection of meals."

Order Know

Improvement Feature

Detailed Nutritional Information

User Reviews and Ratings

Push Notifications for Deals and Offers

Recipe and Cooking Tips Section
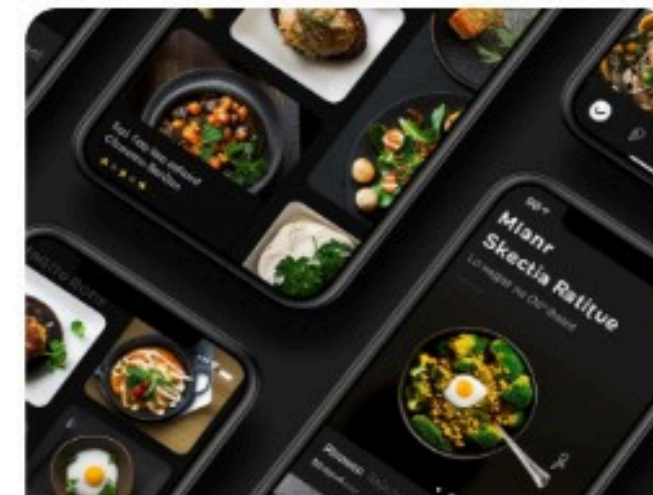
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Conclusion

- In conclusion, The proposed venture, "Restaurant," points to create a energetic and intelligently eatery application utilizing React.js, tending to basic issues of responsiveness and openness.

- By actualizing responsive web plan through CSS media inquiries, the application will give a steady and optimized client encounter over different gadgets, counting desktops, tablets, and smartphones.

- Upgrading availability by utilizing ARIA Label in HTML will guarantee that outwardly impeded clients can viably explore the location through screen perusers, broadening the client base. Moreover, consolidating movements and moves will increment client interaction and engagement.

Future Scope

- Looking ahead, the "Restaurant" application, built with React.js, lays a robust foundationforcontinual advancement. Its future scope includes enhancing user engagement by offeringpersonalized recommendations based on individual preferences and past orders, utilizingmachine learning algorithms to analyze customer behavior for tailored suggestions.

- Advanced accessibility features will remain a priority, with ongoing improvements in screenreadercompatibility, keyboard navigation, and overall operability of interactive elements tocater todiverse user needs effectively.

- As the user base expands, ensuring scalability and maintainingstringent security measures through regular audits, encryption protocols, and data protectionwill be essential for building trust and reliability.

- Introducing community-driven features suchas client reviews, social media integration, and loyalty programs will foster a vibrant usercommunity, enhancing both content richness and brand engagement.

THANK YOU

Any
Queries