



ROYAL UNIVERSITY OF PHNOM PENH



**FACULTY OF
ENGINEERING**



**INFORMATION TECHNOLOGY
ENGINEERING**

WCT – Web and Cloud Technology I

Class: A3

Lecturer: Viney-Vean

Project Website: Snacks and Drinks

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Task Responsible:

Team Members	Responsibility
Hok Soklay	Projects Collaboration, Research, Code Quality Assurance
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Ouk Sovannrith	Project Lead, Presentation Lead, Report Lead, Coding Lead (Web Developer), GitHub Manager
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1. Introduction

- **Overview of the Project**

Our project aims to create an engaging, user-friendly snack and drink website similar to the Brown Coffee platform.

This platform will offer a wide selection of snacks and drinks, along with detailed descriptions, reviews, and an efficient ordering system.

- **Why This Project?**

As more people embrace online shopping, the need for easily accessible snack and drink options has grown.

Our website seeks to provide consumers with a seamless, enjoyable browsing and ordering experience.

2. Literature Review

- **E-commerce Trends**

Research shows that the demand for online food and beverage services has grown rapidly, especially post-pandemic. More people are relying on e-commerce for everyday needs.

- **User Experience Design**

Studies emphasize that user-friendly designs with simple navigation and visually appealing layouts are crucial for engaging users.

Websites like Brown Coffee succeed due to their clean design, ease of ordering, and clear presentation of products.

- **Competitor Analysis**

Platforms like Amazon and Brown Coffee highlight the importance of intuitive product categorization and efficient checkout systems.

Research suggests that clear product descriptions, user reviews, and secure payments increase customer retention.

3. Material and Methodology

- **Tools and Technologies:**

1. **HTML, CSS, JavaScript:** "For building the frontend and ensuring responsive design."
2. **Backend Technologies:** "We will use PHP or Node.js for server-side functionalities, handling user orders and payments."
3. **Database** (If needed): "MySQL or MongoDB to store product information, user data, and order details."
4. **Security** (If needed): "SSL certificates for secure transactions, encryption for user data."

- **Design Process:**

1. **Wireframing and Mockups:** "We started with designing wireframes and prototypes to map out the website structure."
2. **User Testing:** "Conducting usability tests with potential customers to gather feedback on design and functionality."
3. **Implementation:** "Building the actual website based on user feedback, ensuring responsiveness and fast loading times."

- **Challenges:**

1. "Balancing aesthetics with performance, ensuring a smooth user experience while maintaining quick load times."
2. "Implementing secure payment systems to build customer trust."

4. Result

Here is the preview of our Page that we have Homepage, About, Menu, Events, Chefs, Gallery, Contact and Delivery:

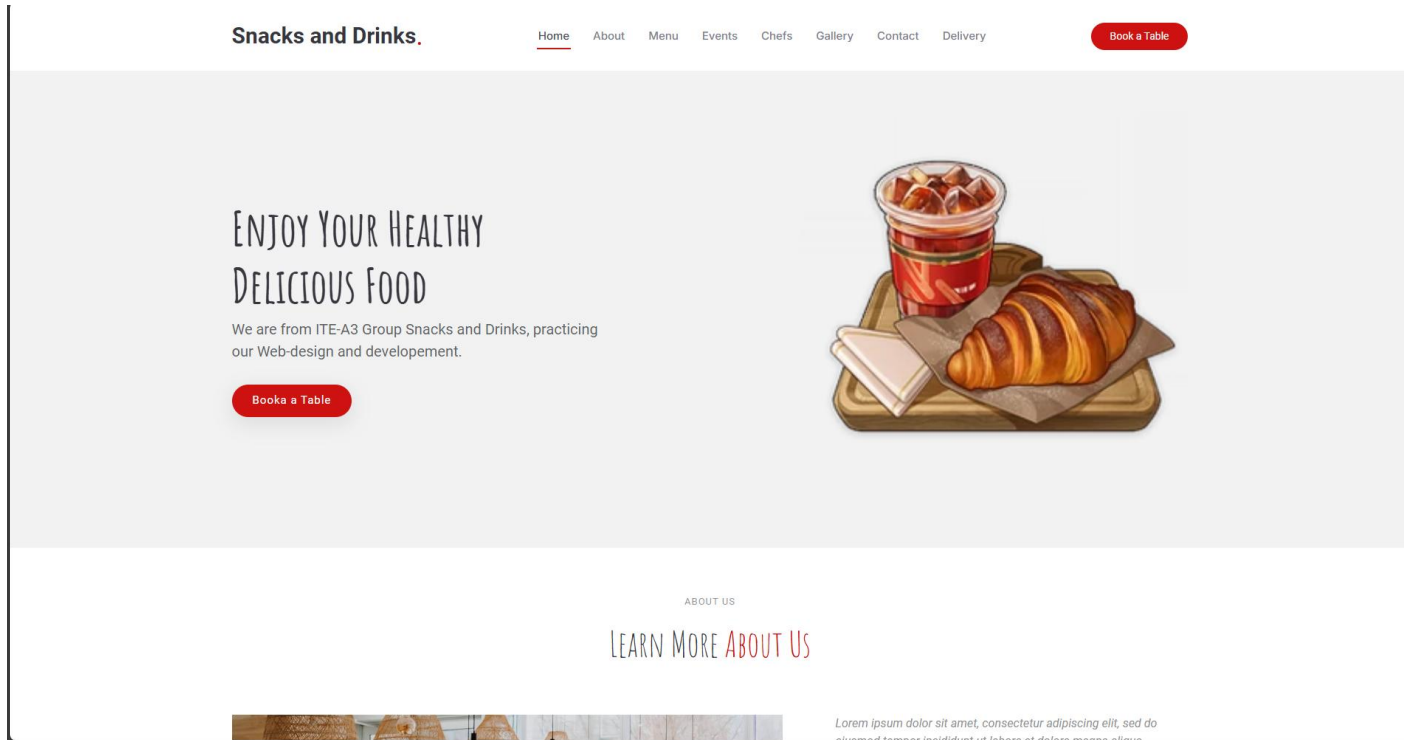


Figure 1 Homepage the welcome header, and Navigation buttons: shown all the features in our website.

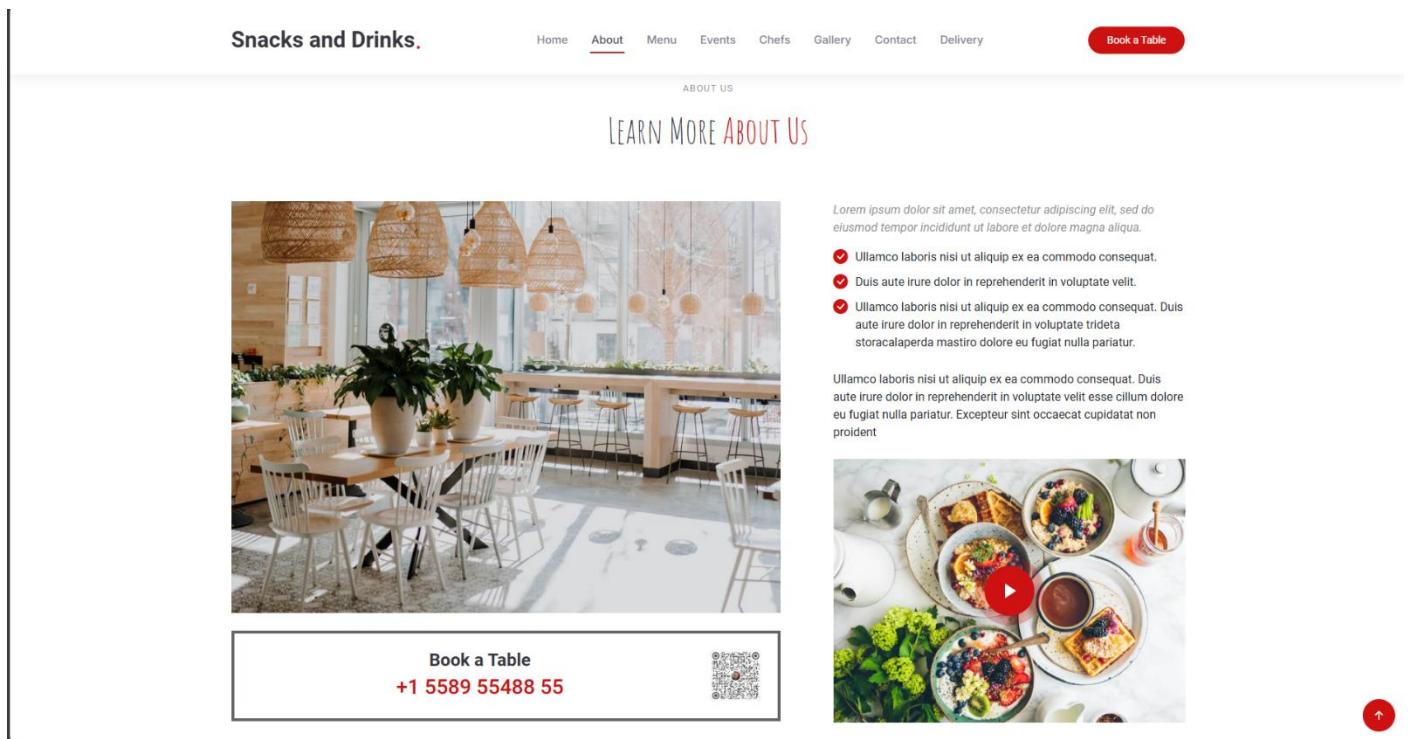


Figure 2 Learn more about us page.

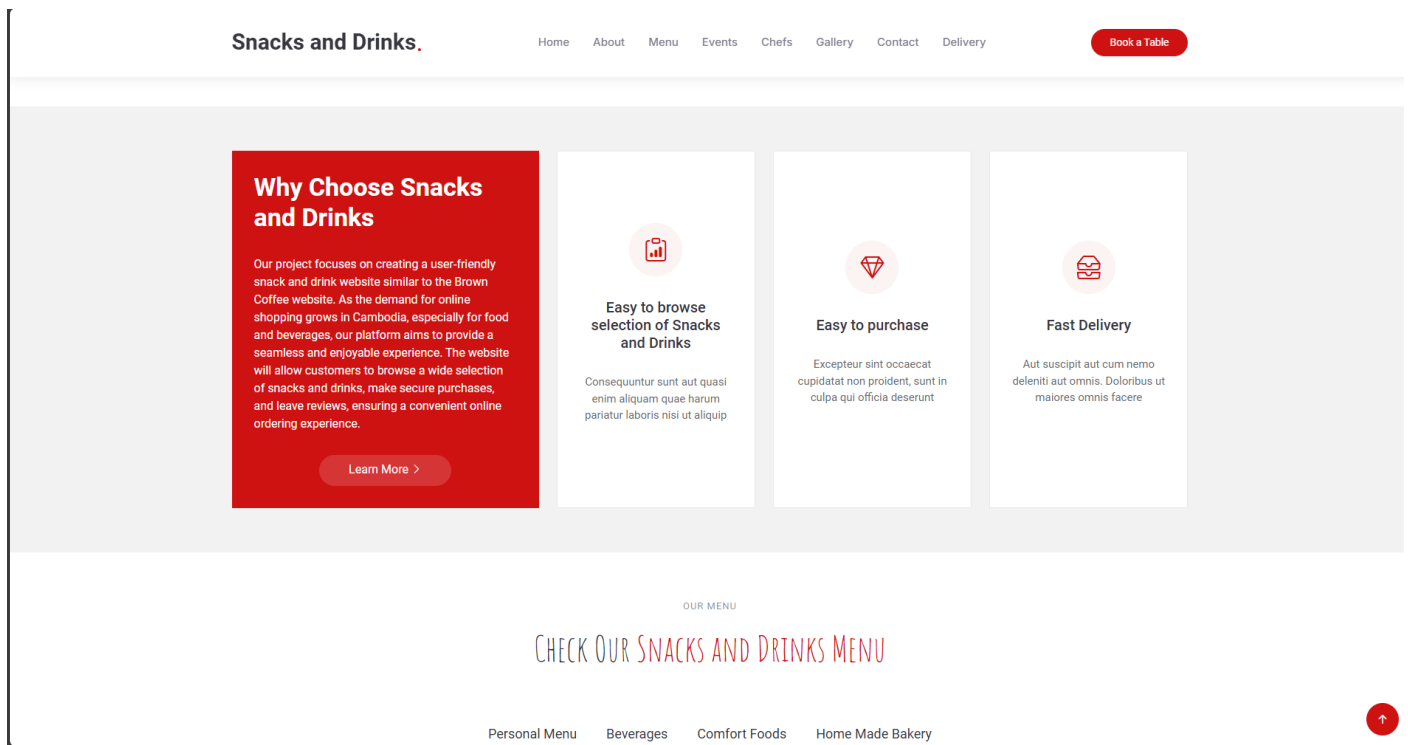


Figure 3 Why choose Snacks and Drinks?

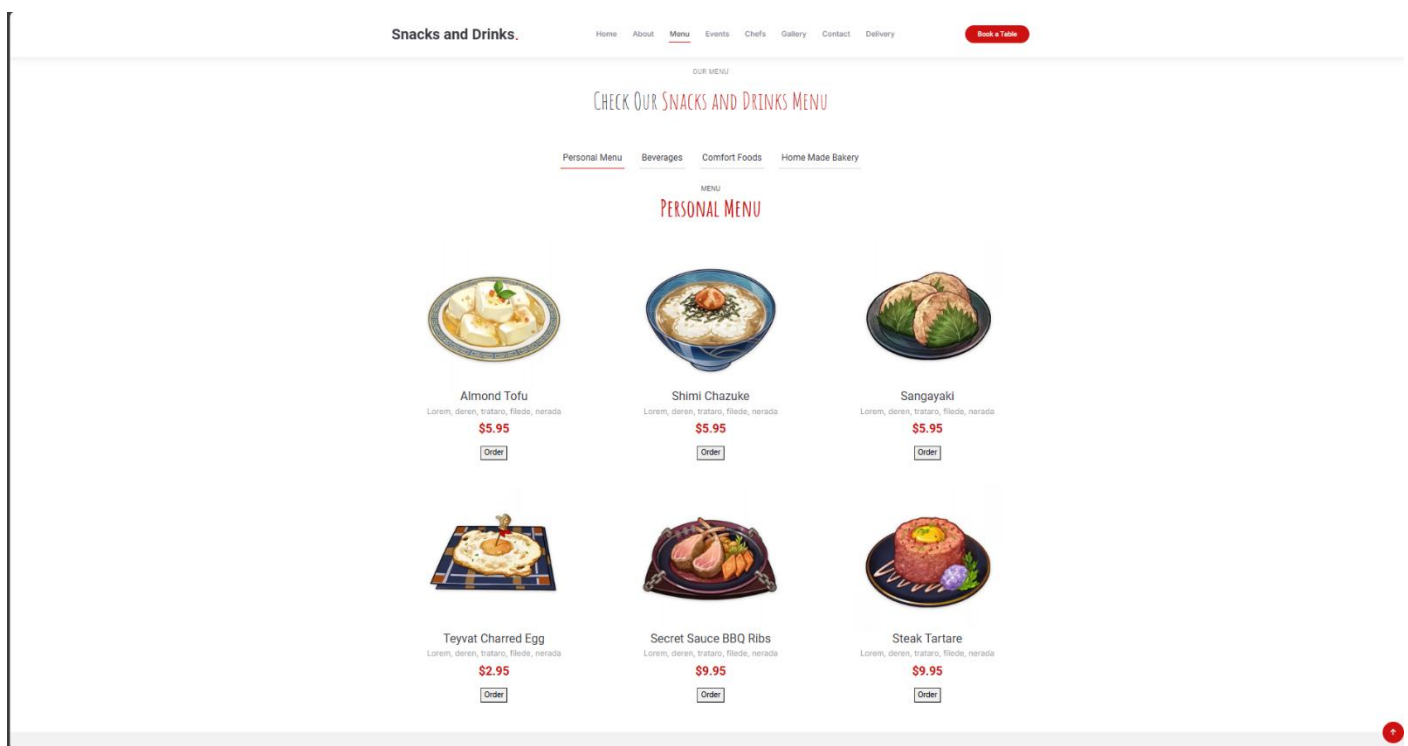


Figure 4 Menu pages, Personal Menu

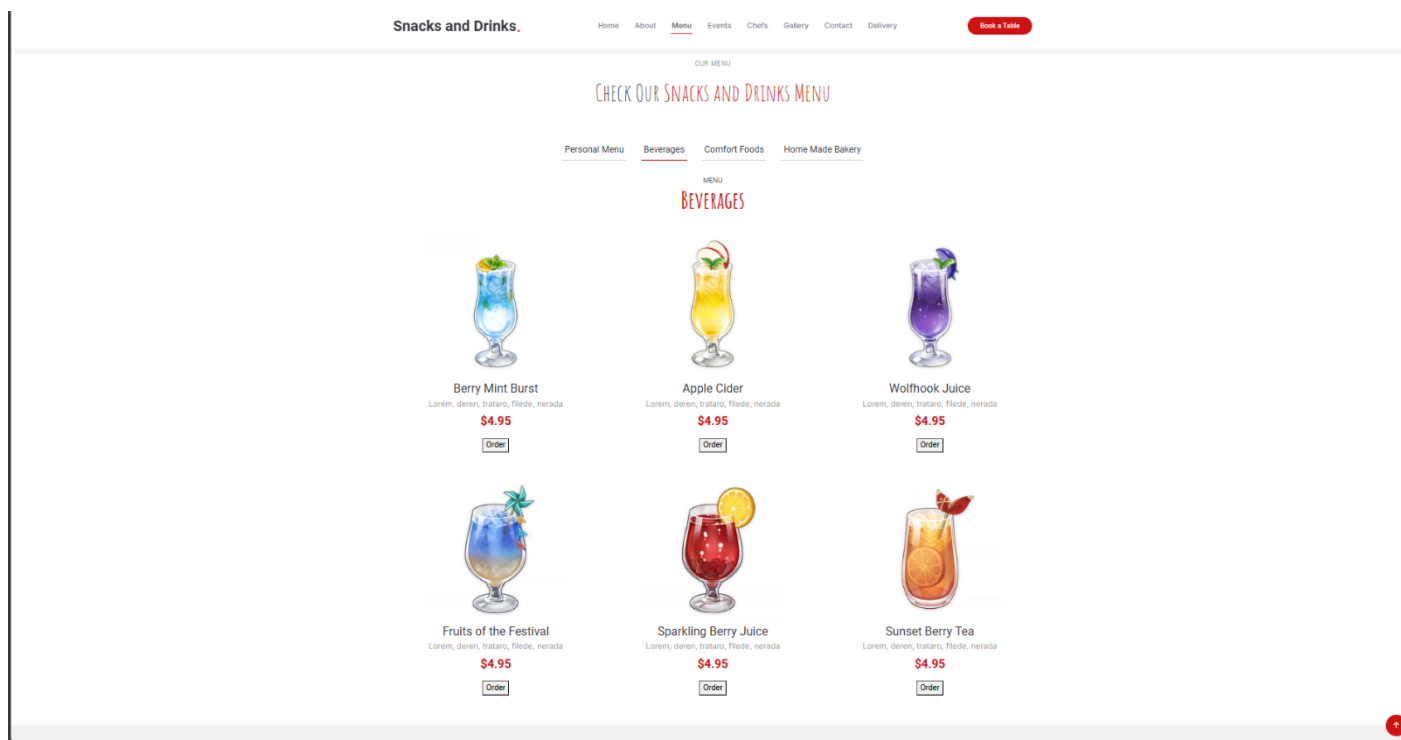


Figure 5 Menu pages, Beverages

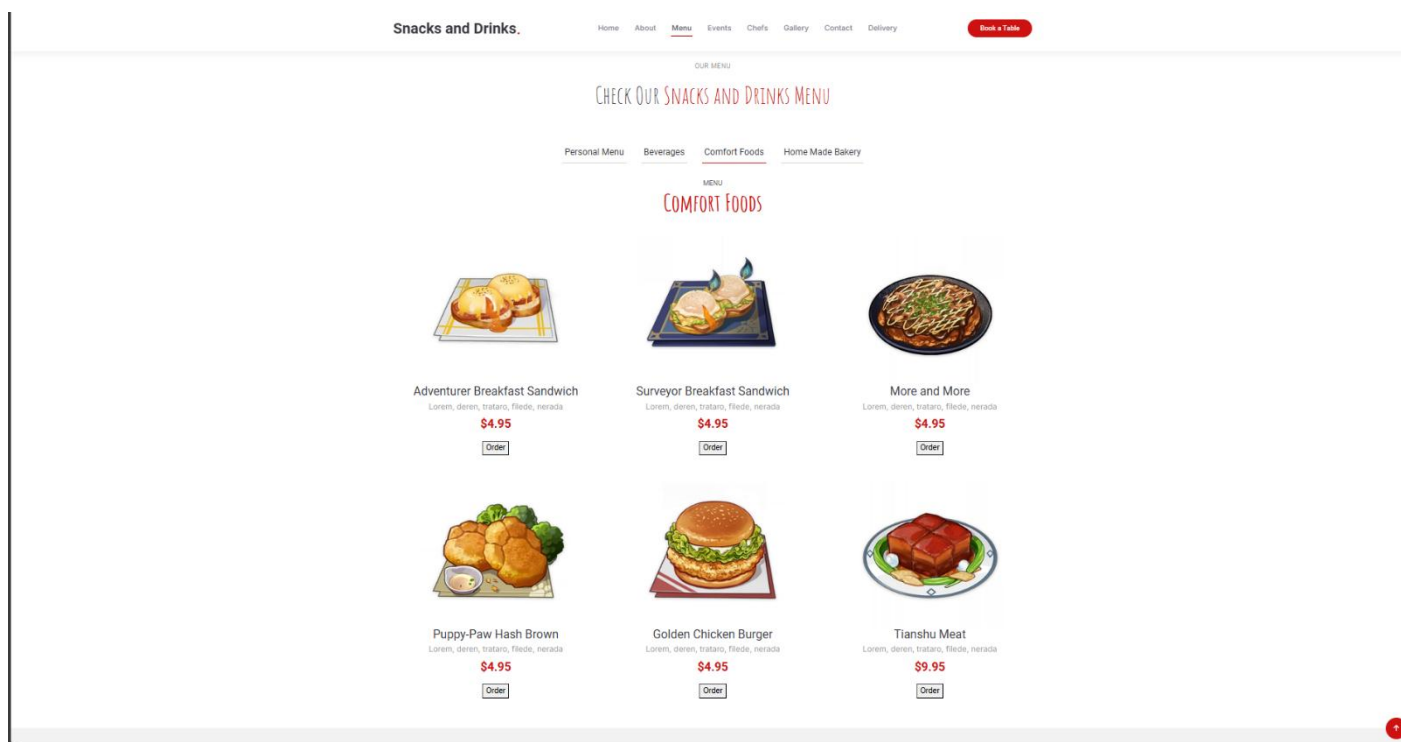


Figure 6 Comfort Foods

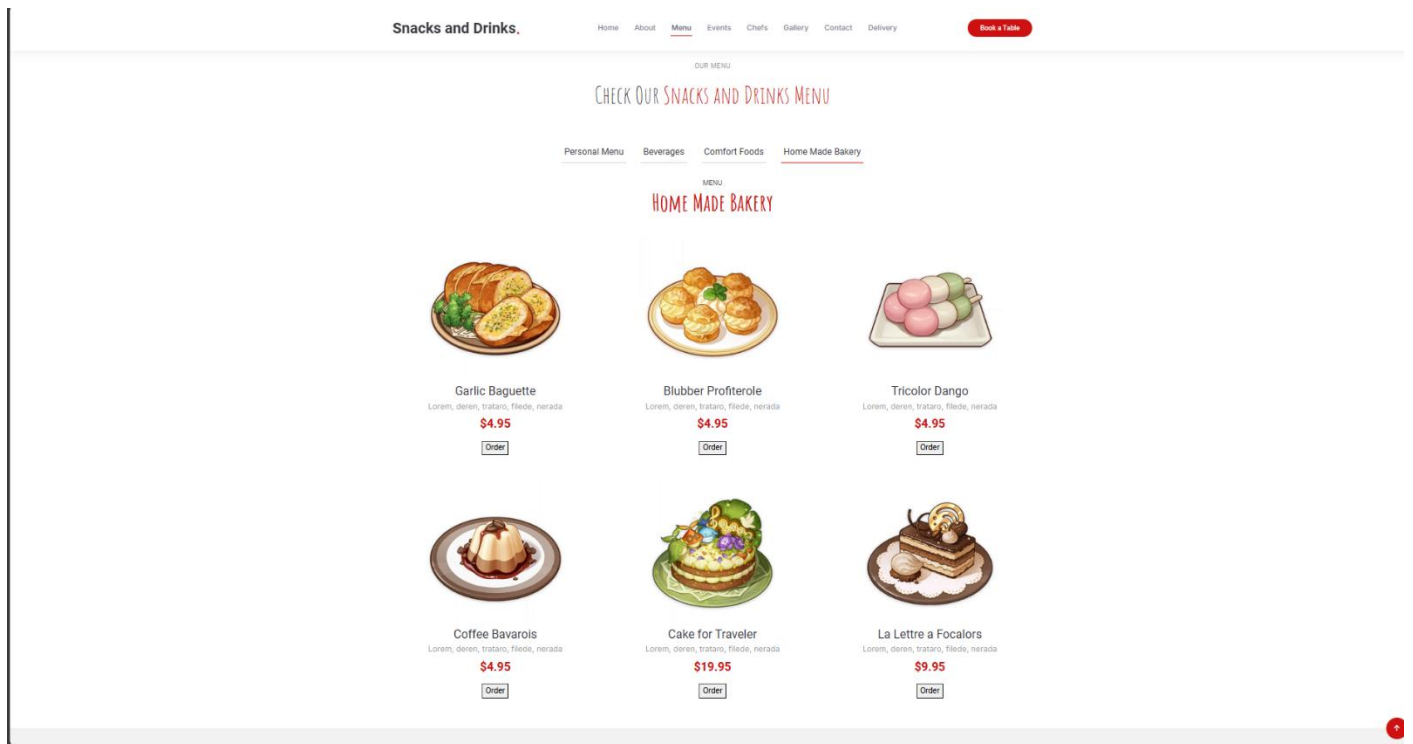


Figure 7 Home Made Bakery

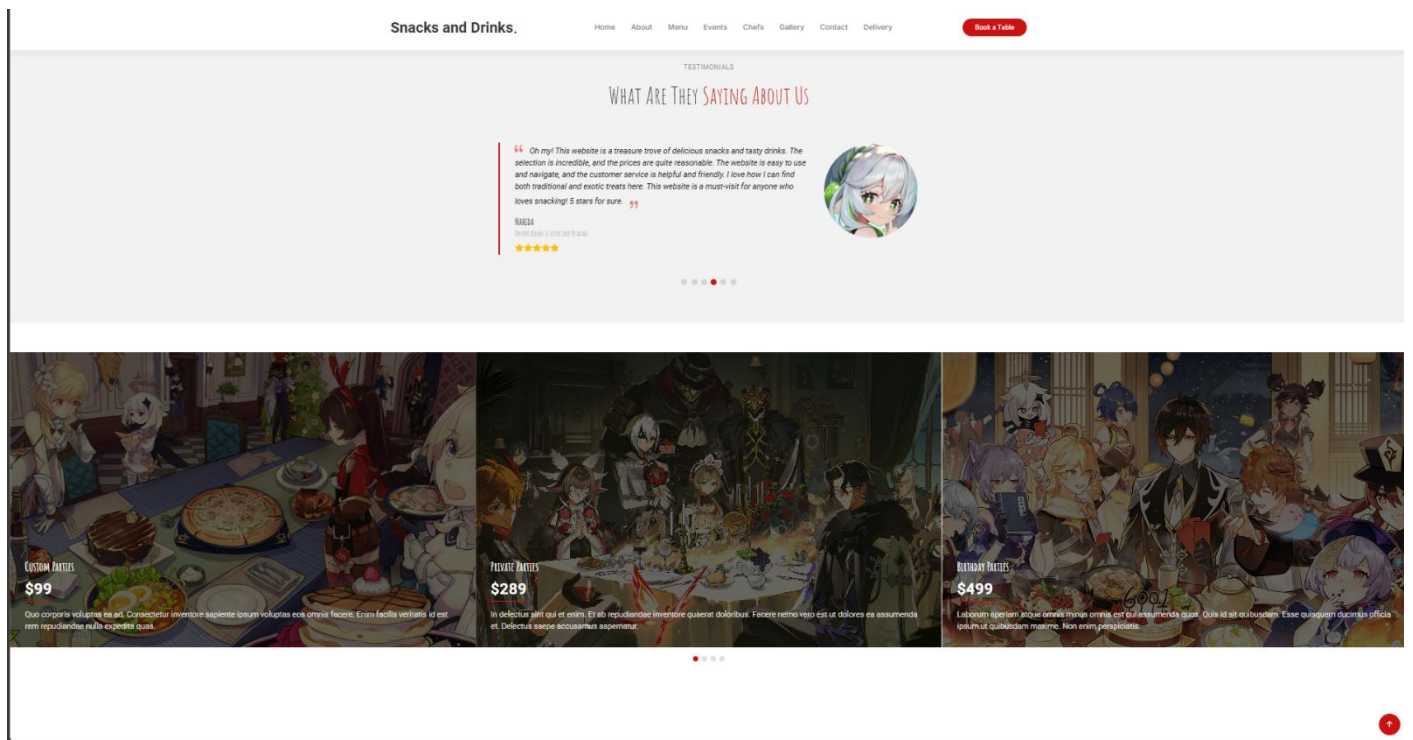


Figure 8 and 9 Review and Events

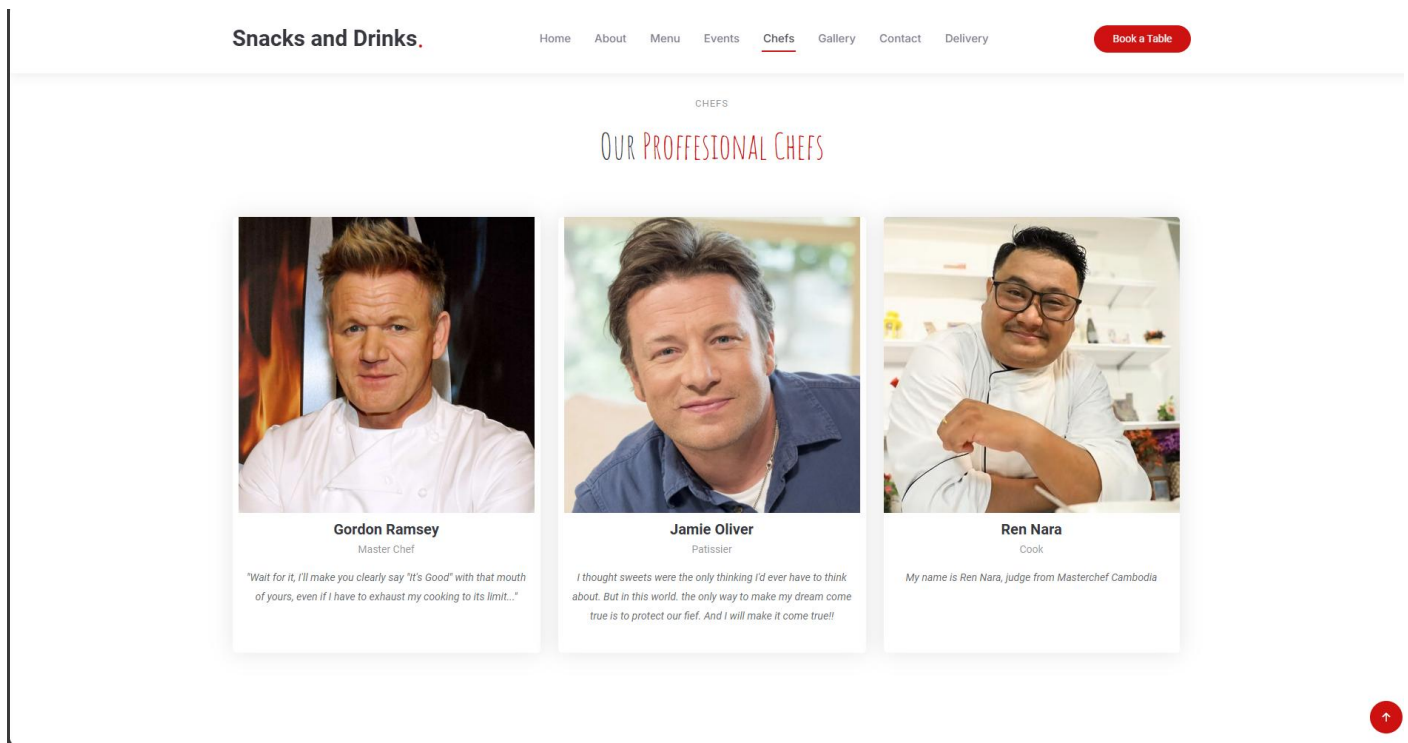


Figure 10 Chefs

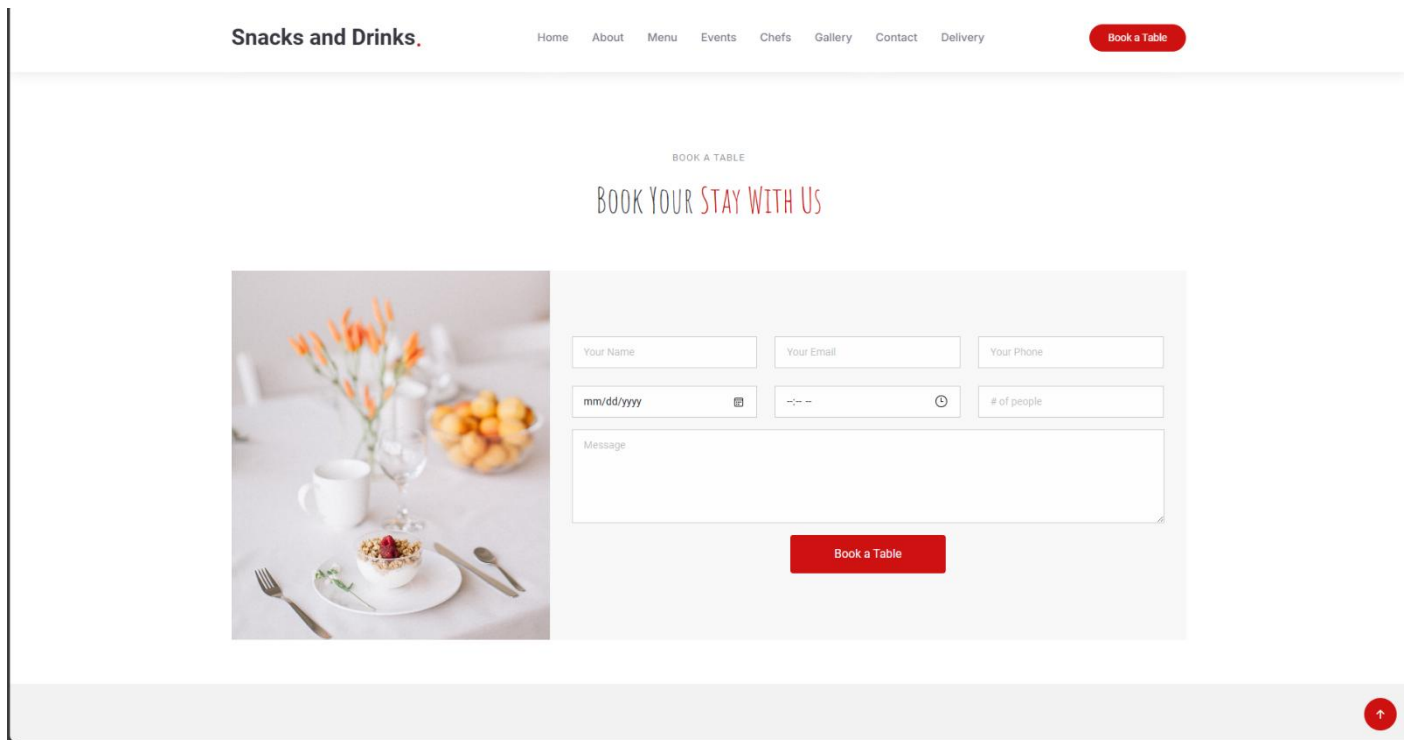


Figure 11 Book a table

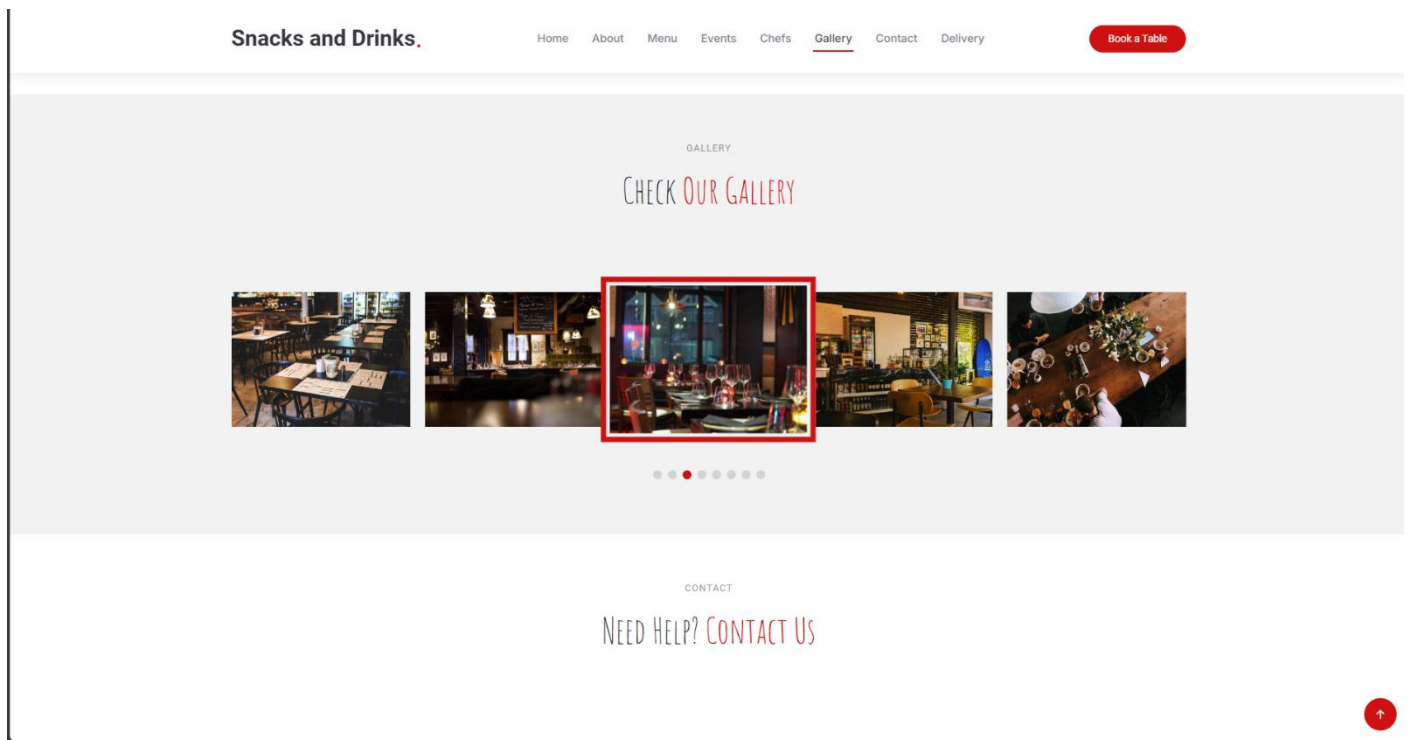


Figure 12 Gallery

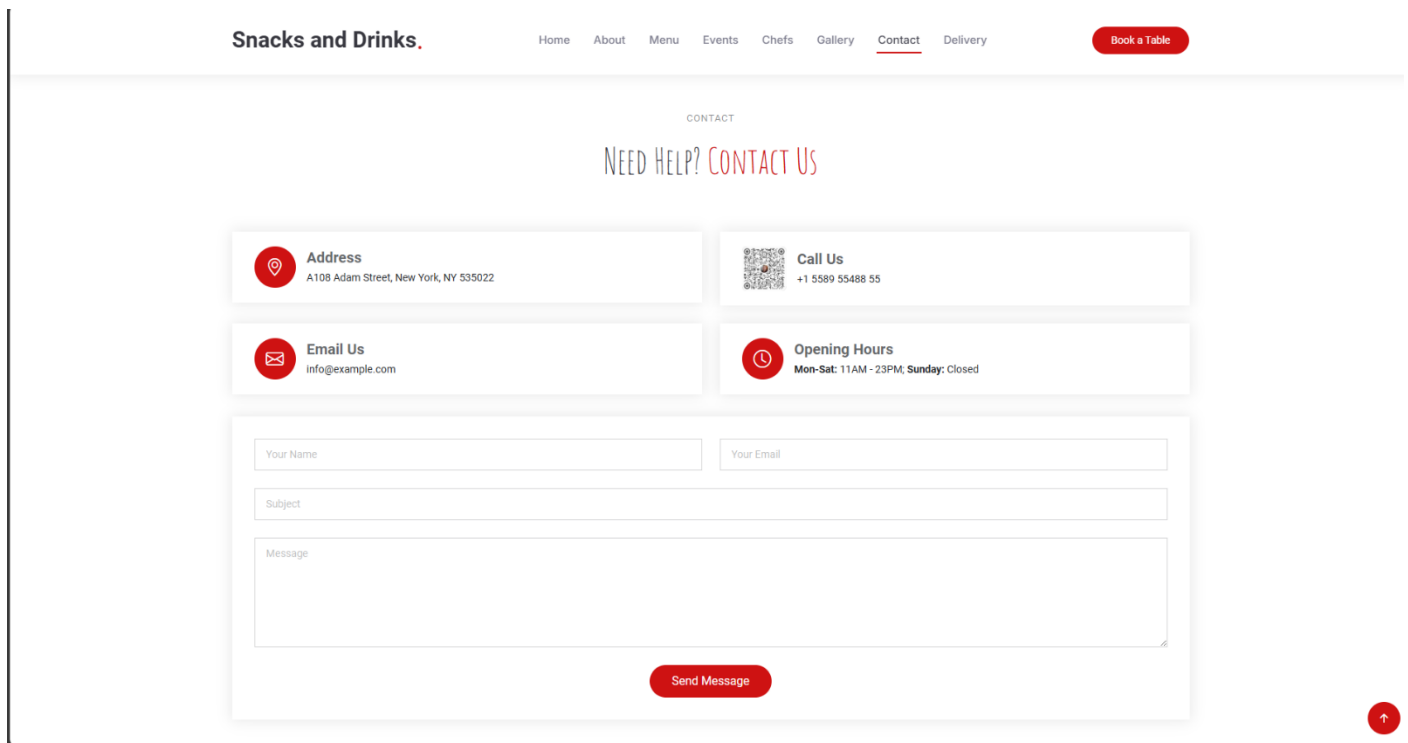


Figure 13 Contacts

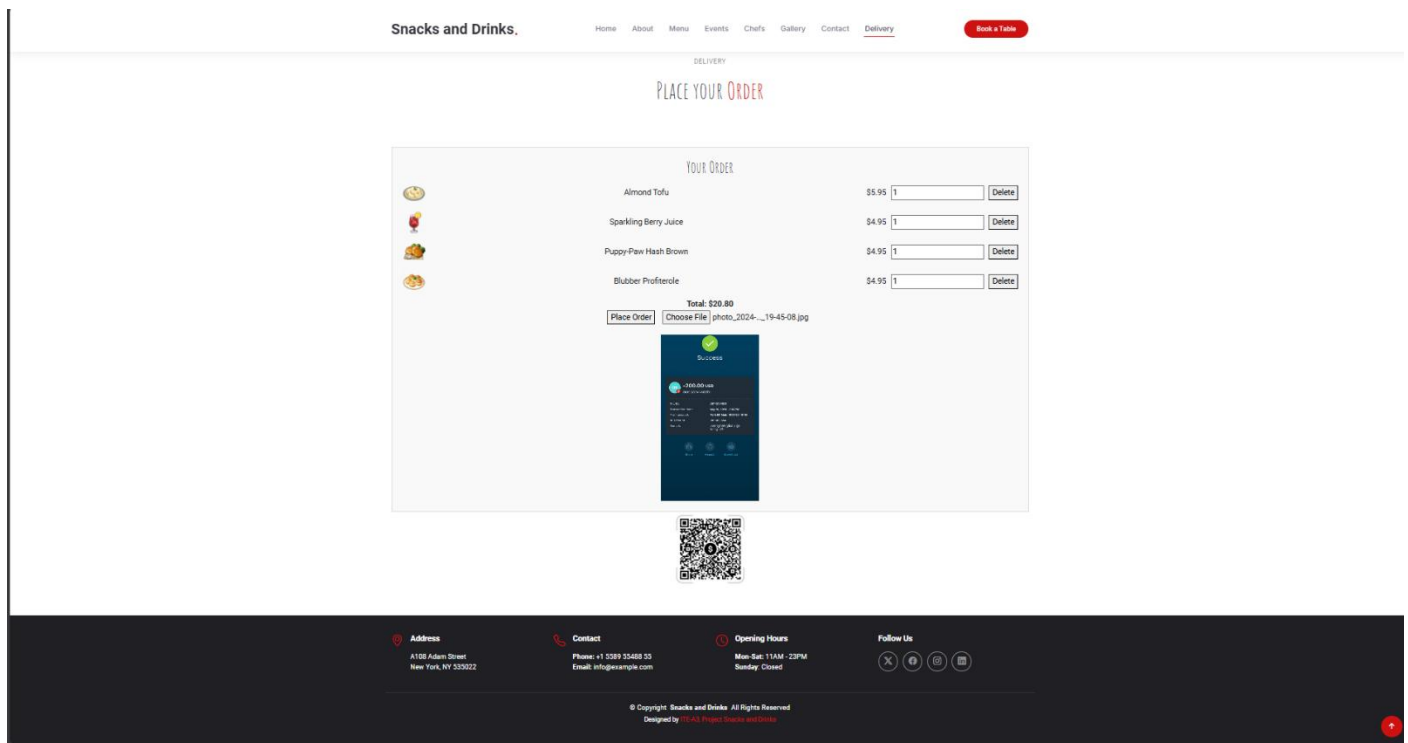


Figure 14 Delivery Page

Click a link for take a look all about code and images of our Project:

<https://github.com/sovannrith12/RUPP-Y3-Snack-and-Drink>

5. Conclusion

- Our snack and drink website aims to fill the gap in the Cambodian market by offering a well-designed platform for online ordering.
- By focusing on user experience, efficient ordering systems, and secure payments, we hope to create a seamless shopping experience.
- This project will also pave the way for future expansion, including logistics, delivery, and a more advanced inventory system.
- Current issue there are lack of design skill, time management, and experience in database.

6. References

- Canvas Slide Presentation link:

https://www.canva.com/design/DAGb4h1EQjk/n6M5FOfv2AjkLVJzpAvBrQ/edit?utm_content=DAGb4h1EQjk&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

- GitHub for Full project:

<https://github.com/sovannrith12/RUPP-Y3-Snack-and-Drink>