

TASK

Title: Online Food Ordering and Payment System in Ethiopia

Objective: The objective of this project is to develop an online food ordering and payment system for restaurant in Ethiopia. The system will allow customers to browse menus, place orders, and make payments online, providing a convenient and efficient way for users to order food remotely.

Requirements:

1. User Registration:

- The system should allow users to create accounts/register using their email addresses.
- User registration should include basic details such as name, contact information, and delivery address.

2. Restaurant Registration:

- Restaurants should be able to register on the platform by providing necessary information such as name, location, menu, delivery areas, and contact details.

3. Menu Management:

- Each registered restaurant should have a customized menu section that allows them to add, update, or remove items.
- The menu should include details such as item names, descriptions, prices, and available options

4. Food Ordering:

- Users should be able to browse menus, choose items, and add them to their cart.
- Users should be able to view the total order summary before finalizing the order.

5. Order Tracking:

- Once an order is placed, users should be able to track the status of their order, from preparation to delivery.
- Notifications or updates should be sent to users regarding each stage of the order (e.g., order received, preparation in progress, out for delivery).

6. Rating and Feedback System:

- Users should have the ability to rate and provide feedback on restaurants, delivery services, and individual food items.
- Ratings and reviews should be visible to other users to help them make informed choices.

7. Secure Payment Gateway:

- The system should integrate a secure online payment gateway to facilitate easy and safe payment transactions.

8. Develop a mobile application for both Android and iOS platforms to enhance user accessibility and streamline the food ordering process.

Ural Federal University

**Online food ordering and payment system in
Ethiopia**

Project Task information

Samuel Bogale Worku

Table of content

Chapter 1 Introduction -----	3
Chapter 2 Application development-----	4
Chapter 3 Conclusion -----	9

Chapter one

Introduction

In today's bustling capital city, the demand for convenient and efficient food delivery services has never been higher. With the rise of online platforms, customers are seeking faster and more flexible ways to get their favorite meals delivered right to their doorstep. However, amidst the current food delivery market, customers often face limitations like limited menu choices, long waiting times, and the inconvenience of cash transactions. This is where an online food ordering and payment system comes in, revolutionizing the way people order their meals. With the promise of convenience, time-saving, and access to a wide selection of restaurants and cuisines, such a system has the potential to cater to the evolving needs of today's food enthusiasts."

An online food ordering and payment system is a digital platform that allows customers to browse menus, select their desired dishes, place their orders, and make payments all in one place. Instead of having to call a restaurant or visit their physical location, customers can conveniently place their orders from their computer or smartphone.

This system addresses several limitations of traditional food delivery services. Firstly, it offers a wide selection of restaurants and cuisines, giving customers more options to choose from. This means that customers can explore different types of cuisine without having to search for multiple restaurants. Additionally, the system provides detailed menus with descriptions and prices, allowing customers to make informed decisions about their food choices. This can be especially helpful for those with dietary restrictions or preferences.

Another benefit is the convenience and time-saving aspect. Customers no longer need to wait in line, face busy phone lines, or deal with misunderstanding during the ordering process. They can simply browse the menus, select their desired dishes, customize their orders if needed, and proceed to checkout. This streamlines the ordering process and minimizes errors. Furthermore, online food ordering and payment systems often offer different payment options, including secure online payment methods. This eliminates the hassle of handling cash and provides a secure and convenient way to complete the transaction.

Chapter 2

2.1 Web app development

A mobile app and website are crucial for catering to different user preferences. Some people prefer using apps, while others prefer websites. By providing both options, platforms can accommodate a wider range of customers and offer an experience across different devices and platforms.

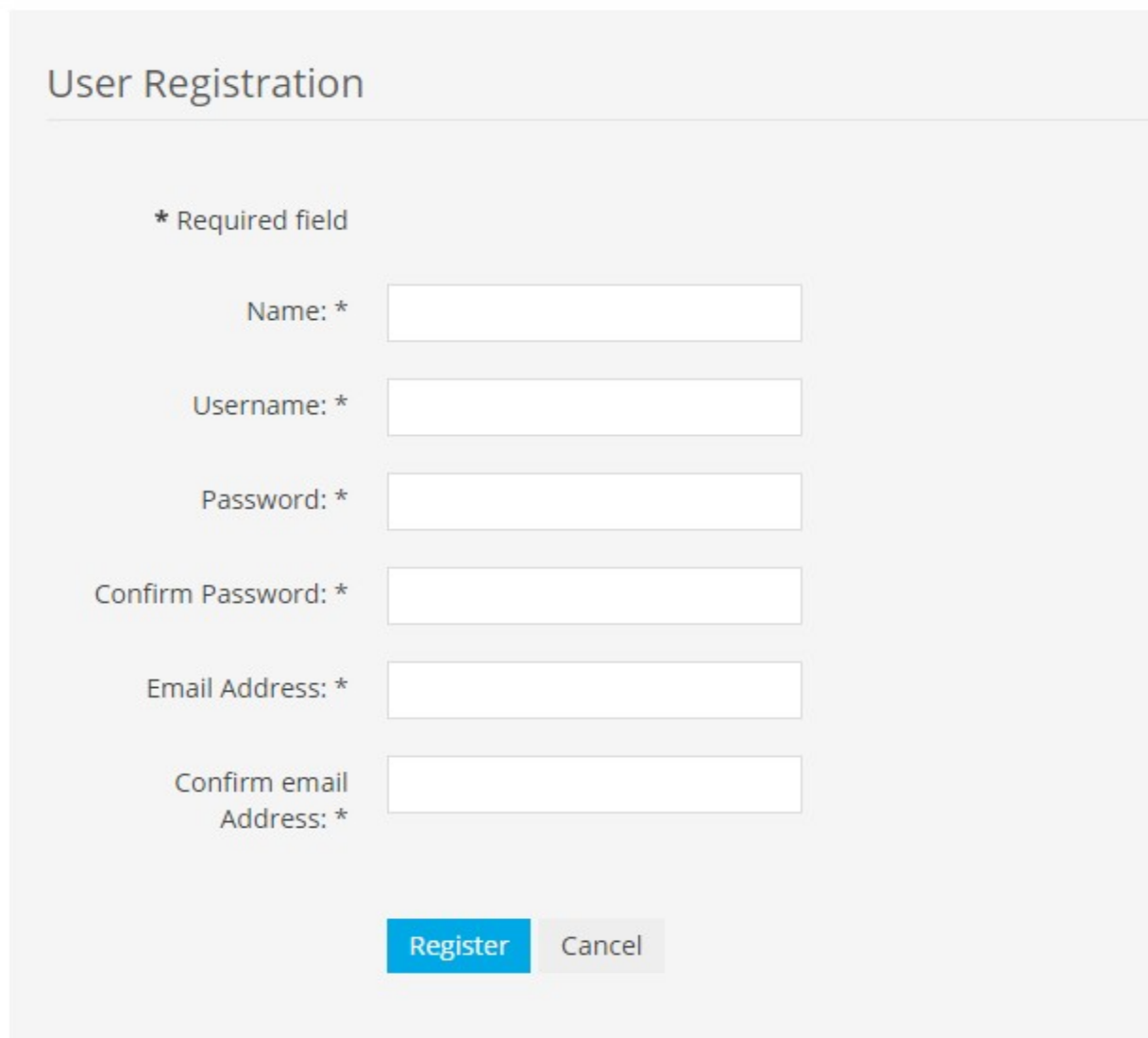
2.11 Restaurant Partnerships:

Restaurant partners are carefully selected based on various criteria, such as food quality, delivery capabilities, and popularity. The platform aims to offer a diverse range of dining choices and ensure that only reputable and reliable establishments are featured. Partnering with the platform brings several potential benefits for restaurants, including increased visibility among a wider customer base, access to advanced marketing tools, and reduced marketing costs. This can help restaurants attract more customers and grow their business. Restaurant partners receive ongoing support and assistance from the platform, including training on how to use the system effectively and implement successful marketing strategies.

2.12 User Registration and Profile:

User registration offers several advantages, including the ability to save delivery information for future orders, track order history, and receive personalized recommendations based on previous orders and preferences. Registration also allows users to easily manage their accounts and payment details.

The plat form on the websites and mobile app will look like the below figure



The image shows a user registration form with a light gray background. At the top left, the title "User Registration" is displayed in a dark gray font. Below the title, a legend indicates that an asterisk (*) denotes a required field. The form contains six input fields, each preceded by a label and an asterisk: "Name: *", "Username: *", "Password: *", "Confirm Password: *", "Email Address: *", and "Confirm email Address: *". The input fields are white with thin gray borders. At the bottom of the form, there are two buttons: a blue "Register" button and a gray "Cancel" button.

User Registration

* Required field

Name: *

Username: *

Password: *

Confirm Password: *

Email Address: *

Confirm email Address: *

2.13 Menu Browsing and Selection:

The platform offers an intuitive and user-friendly interface for browsing menus. Users can easily search for specific dishes or restaurants, apply filters based on dietary preferences and sort the results based on various factors such as rating, price, or distance. This makes it easy for users to find exactly what they are looking for and explore new dining option reviews.

All Foods



Alpha Pizza

\$16.00

It has survived not only five centuries, but also the leap into electronic typesetting, remaining es



Alpha Red Pizza

\$15.00

It has survived not only five centuries, but also the leap into electronic typesetting, remaining es



Alpha Red Pizza

\$24.00

It has survived not only five centuries, but also the leap into electronic typesetting, remaining es



American Big Burger

\$6.50

Quisque malesuada placerat nisl. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices po



Bacon Roll

\$3.50

Sed lectus. Phasellus accumsan cursus velit. Phasellus magna. Nullam dictum felis eu pede mollis pret



Birayni

\$9.99

Biryani is a mixed rice dish originating among the Muslims of the Indian subcontinent. It is made wi



Bread Vietnam

\$7.00

In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Vivamus quis mi. Praesent ac sem ege



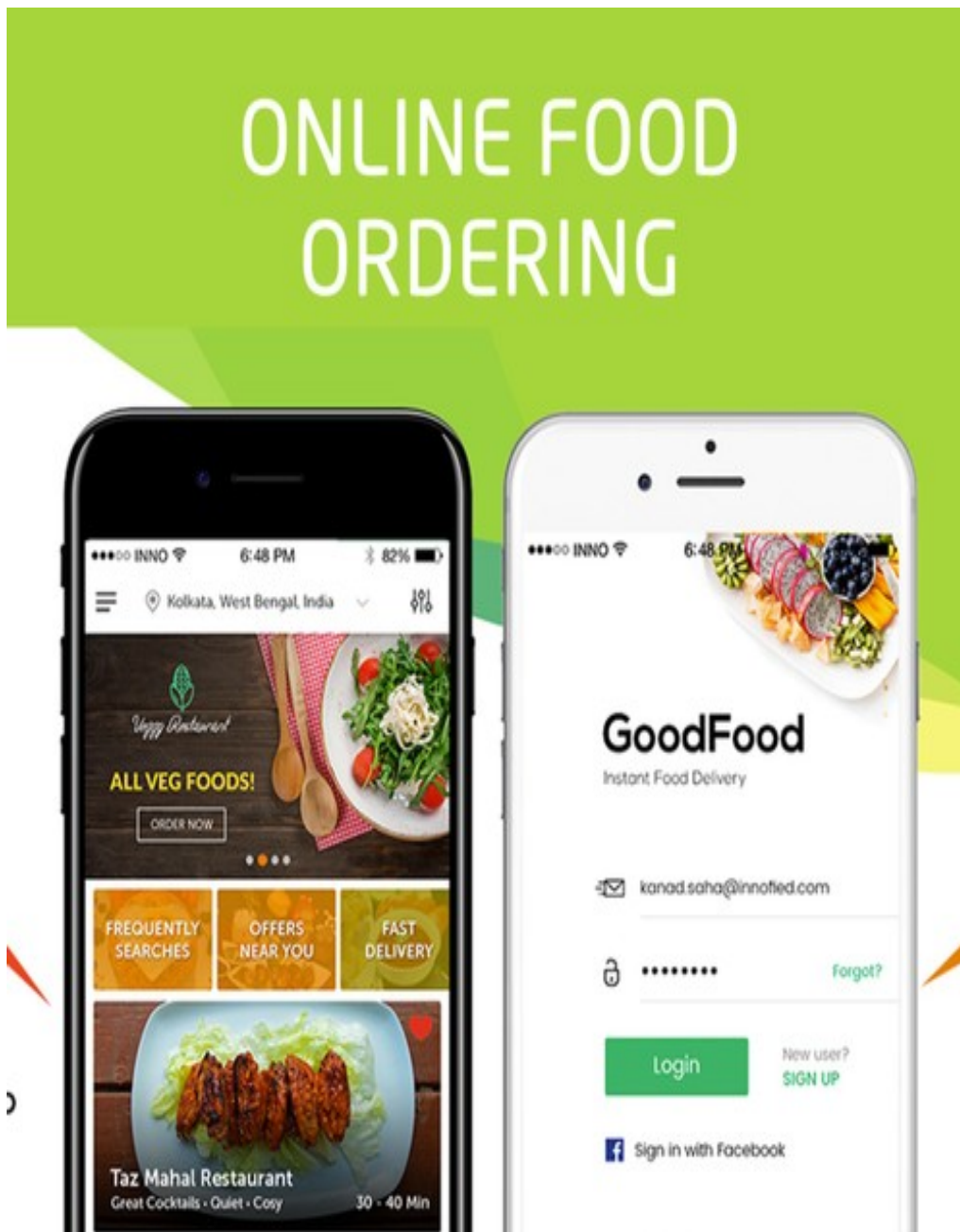
Chicken Burger

\$6.00

A chicken sandwich is a sandwich that typically consists of boneless, skinless chicken breast served

2.2 Mobile app development

A mobile app are used for a different user preferences and provide different platforms. It allows users to access services. Email marketing can also be used to communicate with users, sharing personalized recommendations based on their preferences. For users, the system would provide a convenient way to browse and order from a wide variety of local restaurants, with options for customization and special dietary preferences.



Chapter 3

Conclusion

In terms of the overall food delivery ecosystem, the system would contribute to the growth of the local economy by connecting users with local restaurants. It would create job opportunities for delivery personnel and boost the overall food industry in the capital city. By promoting transparency and fostering trust with the implementation of security measures, users and restaurant partners would feel confident in participating in the system. Overall, the proposed online food ordering and payment system aims to provide a user-friendly, secure, and mutually beneficial solution for all stakeholders involved.