Project Report on :

Online Food Ordering

Submitted for the partial fulfillment of Project in

Bachelor Of Computer Application
(Semester – VI)

-: Submitted To :-
Department Of IT Harivandana College, Rajkot.

-: Affiliated To :-
Saurashtra University, Rajkot

-: Submitted By :-
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Prof. Dharmendra Ambani (Lecturer & Project in charge)

ACKNOWLEGEMENT

- We are very thankful to the project coordinator of Prof. Harshad Fefar of Harivandana College, who has provided us a lot of support & guidance from the beginning to the end of the project development.

- A work of this nature would not have been possible without the encouragement and meticulous attention received from them. The faculties has also played a vital role in building up my project website, under their guidance and training it became much easier to develop a project.

- A work of this nature would not have been possible without encouragement and meticulous .

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1

INTRODUCTION

Project Summery

- My Project is basically Online Food Ordering App regarging like Many Food Website Type Zomato,Swiggy,Dunzo,etc..
- In This Application are Helpful for Small Kitchen. Like Many Indian Start-up zomato,swiggy are connected and typed up Big Restorant and big hotels. But in my System are uselly in This type.
- My Android Application Through Small Kitchen best Items Sellout. I developed Bridge(Website) and Connect User and Food Items Seller.
- The Android Application is developed in Android(Java), XML, Web Api's(PHP) and MySQL for the Database.
- After all the entries administrator can view orders of all customers which Type Dish ordered users .
- Administrator are checked which dish Currently most popular and Insert MenuItems and Perticular Category.
- Admin are check How many Dish available currently and in which dish are currently most popular.
- This Android Application maintains the data of the user and it's searching results for the order online products.

SCOPE

- **Language Scope :**
  - ✓ Language – XML , ANDROID(JAVA) , PHP, MYSQL
- **Project Scope :**
  - ✓ The scope of the project is defining what will and will not be supported by the application. This application will enable servers to manage accounts: products, fill out and submit order
  - ✓ After order complete user can check when they ordered product.admin can add products, category and manage it. Users also search his choices product in FoodOrdering Website. we currently provides only in Rajkot city.

PROJECT BOUNDRY :

- ✓ Require Xammp web server
- ✓ Require Android Studio

DURATION :

In 14 weeks my website will be completed.

Analysis : 2 weeks

Design : 2 weeks

Coding : 7 weeks

Testing : 3 weeks

2
LITERATURE

SURVEY

XML Overview :

- XML stands for eXtensible Markup Language.
- XML is a markup language much like HTML used to describe data. It is derived from Standard Generalized Markup Language(SMGL). Basically, the XML tags are not predefined in XML.
- We need to implement and define the tags in XML. XML tags define the data and used to store and organize data. It's easily scalable and simple to develop.
- In Android, the XML is used to implement UI-related data, and it's a lightweight markup language that doesn't make layout heavy. XML only contains tags, while implementing they need to be just invoked.
- Basically in Android XML is used to implement the UI-related data. So understanding the core part of the UI interface with respect to XML is important
- The User Interface for an Android App is built as the hierarchy of main **layouts, widgets**. The layouts are **ViewGroup** objects or containers that control how the child view should be positioned on the screen
- **Widgets** here are view objects, such as Buttons and text boxes

JAVA Overview :

- Java is one of the most popular and widely used programming languages.
- Java has been one of the most popular programming languages for many years
- Java is Object Oriented. However, it is not considered as pure object-oriented as it provides support for primitive data types (like int, char, etc)
- Java is used in all kinds of applications like Mobile Applications (Android is Java-based), desktop applications, web applications, client-server applications, enterprise applications, and many more

MYSQL Overview :

- **MYSQL DATABASE MANAGEMENT SYSTEM :**

  - ✓ MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by MySQL.
  - ✓ MySQL is a commercial company, founded by the MySQL developers. It is a second generation Open Source Company that unites Open Source values and methodology with a successful business model.
  - ✓ The MySQL Web site (http://www.mysql.com/) provides the latest information about MySQL software and MySQL.
  - ✓ The official way to pronounce “MySQL” is “My Ess Que Ell” (not “my sequel”), but we don't mind if you pronounce it as “my sequel” or in some other localized way.

- **MYSQL FEATURES :**
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ANDROID Overview :

- **Android** is the best-selling **Operating System** among various mobile platforms across the globe. Hundreds of millions of mobile devices are powered by **Android** in more than 190 countries of the world.
- It conquered around **75%** of the global market share by the end of 2020, and this trend is growing bigger every other day.
- Android is an open source and Linux-based operating system for mobile devices such as smartphones and tablet computers. Android was developed by the Open Handset Alliance, led by Google, and other companies.
- Android offers a unified approach to application development for mobile devices which means developers need only develop for Android, and their applications should be able to run on different devices powered by Android.
- The first beta version of the Android Software Development Kit (SDK) was released by Google in 2007 where as the first commercial version, Android 1.0, was released in September 2008.

✓ Why Android Development?

* Cost-Effective Platform:

  - Easy access to tools and systems to Android developers.

  - The end devices and hardware are relatively less expensive.

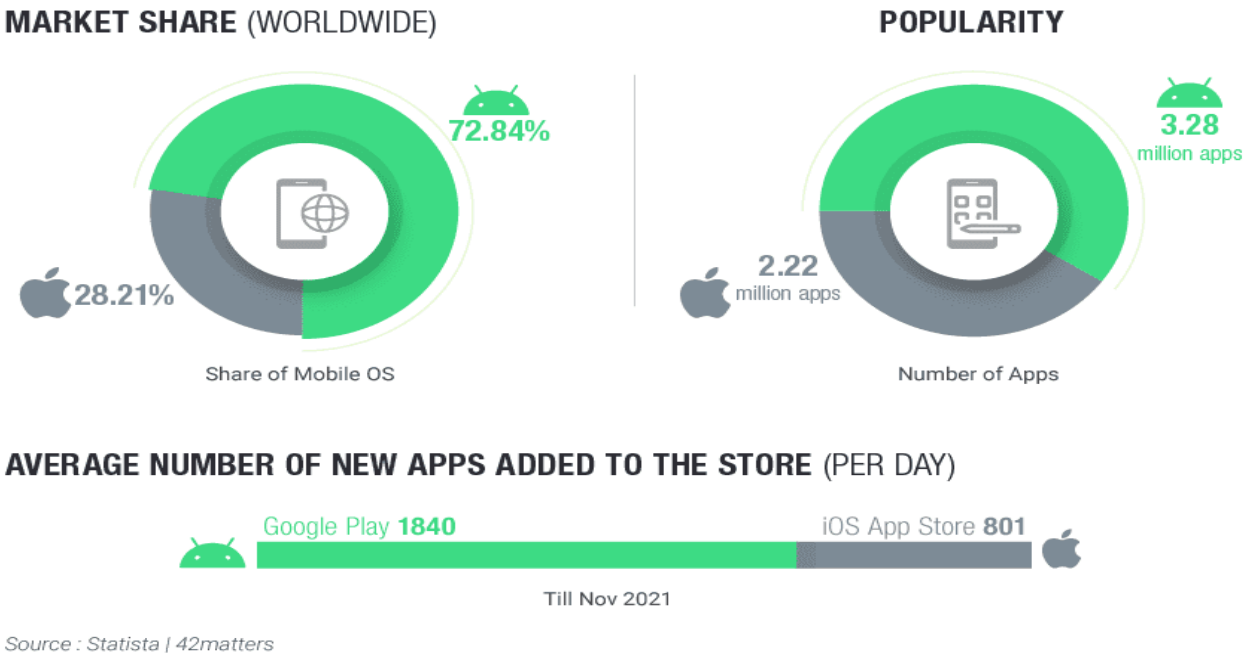
  - Rare compatibility issues with every updated OS version.

* Quick and Easy to Develop:

- The availability of the easy working model makes it so quick to develop apps.

Benefits of Android App Development

Android Ecosystem



Analysis :

- When I started My Project First of all I had seen Food Ordering Application Like *Zomato*, Swiggy, *Dunzo* ,*etc*.. . And seen their Facility which they provide.
  .
- Then I collected the Information about How Actual food ordering Application Order system work and hardware product Application then I collect information which i want for my Application

I have given following facilities in My Application.

❖ Application Side :

- Listed Food dish Horizontal & Vertical
- My Cart
- Sorting Categories
- Search Dish
- Shop, About & Contact Us
- Food Rating
- Buy Now

❖ Admin Side :

- Dashboard
- Add Categories
- Add MenuItem
- All Tables
- Categoty Table With Edit and Delete Record Functionality
- MenuItem Table With Edit and Delete Functionality
- User Cart Details Table with Delete Record Functionality
- Admin Details Table With Delete Record Functionality

`

3
PROJECT

MANAGEMENT

Project Planning and Scheduling ~~**Project Planning and Scheduling**~~

- **3.1.1) Project Development Approach**
  - **Software Development Process : Waterfall Model**

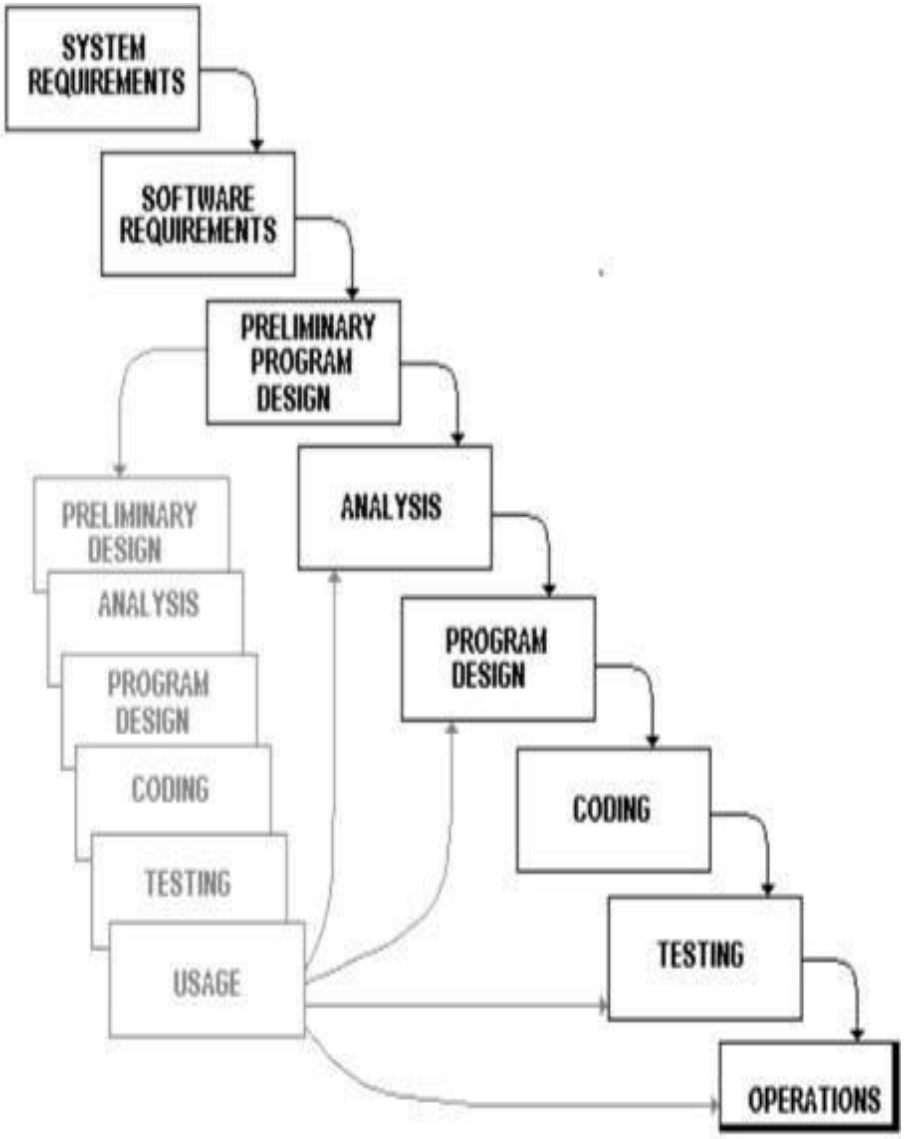
In the waterfall model, a project progresses through an orderly sequence of steps from the initial software concept through system testing. The project holds a review at the end of each phase to determine whether it is ready to advance to the next phase - from requirements analysis to architectural design. If the review determines that the project isn't ready to move to the next phase, it stays in the current phase until it is ready.

The waterfall model is document driven, which means that the main work products that are carried from phase to phase are documents. In the pure waterfall model, the phases are also discontinuous - they do not overlap. The following shows how the pure waterfall lifecycle model progresses.

The pure waterfall model performs well for product cycles in which you have a stable product definition and when you're working with well- understood technical methodologies. In such cases, the waterfall model helps you to find errors in the early, low-cost stages of a project. It provides the requirement stability that developers crave. If you're building a well-defined maintenance release of an existing product or porting an existing product to a new plat. Form, a waterfall lifecycle might be the right choice for rapid development.

The pure waterfall model helps to minimize planning overhead because you can do all the planning up front. It doesn't provide

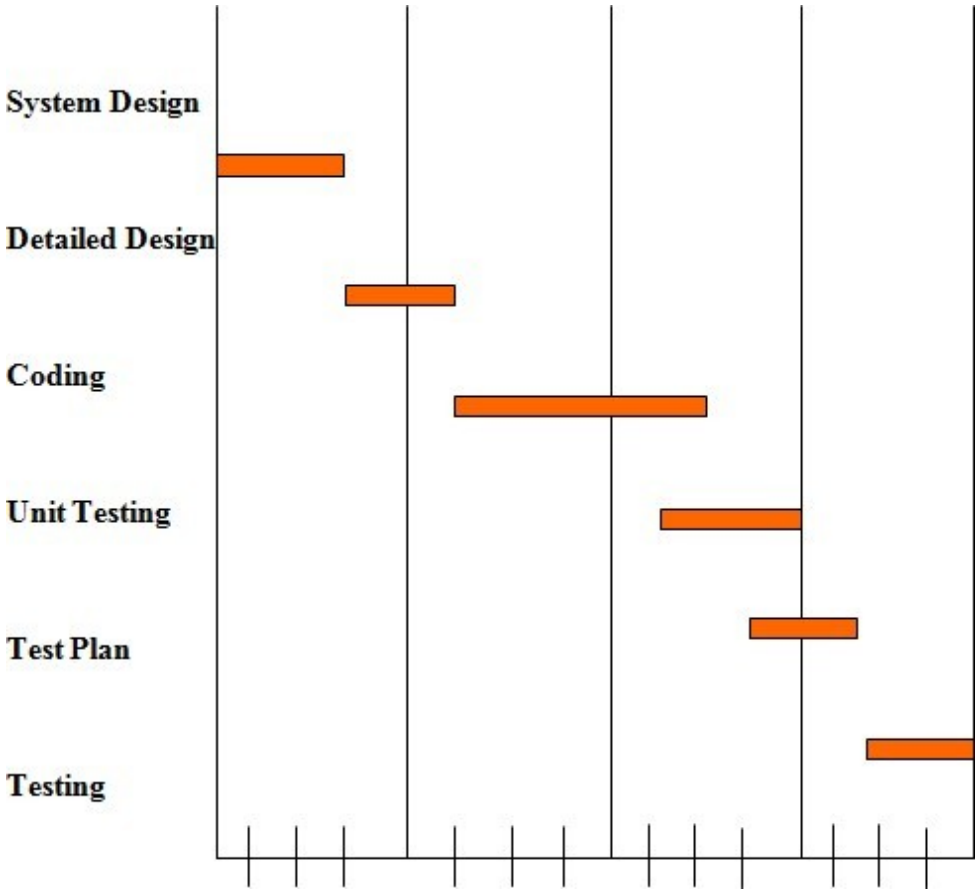
tangible results in the form of software until the end of the lifecycle, but, to someone who is familiar with it, the documentation it generates provides meaningful progress throughout the lifecycle.


SYSTEM REQUIREMENTS
SOFTWARE REQUIREMENTS
PRELIMINARY PROGRAM DESIGN
ANALYSIS
PROGRAM DESIGN
CODING
TESTING
OPERATIONS
PRELIMINARY DESIGN
ANALYSIS
PROGRAM DESIGN
CODING
TESTING
USAGE

3.1.2) Project Plan :

System Analysis	Duration	Resource Requirement
System Design and Documentation	2 WEEKS	All
Actual Development	2 WEEKS	All
Unit Testing	1 WEEKS	All
Integrated of System	1 WEEKS	All
Test case preparation	2 WEEKS	All
System Testing	2 WEEKS	All
Bug Fixing	1 WEEKS	All

Schedule Representation :


System Design
Detailed Design
Coding
Unit Testing
Test Plan
Testing

4

Requirements Specification

HARDWARE REQUIREMENTS :

- Intel i3 7th generation And Above
- Minimum 1 TB Hard disk
- Minimum 8 GB RAM
- Mouse, Keyboard ➢ 4x CR-ROM drive OR USB port

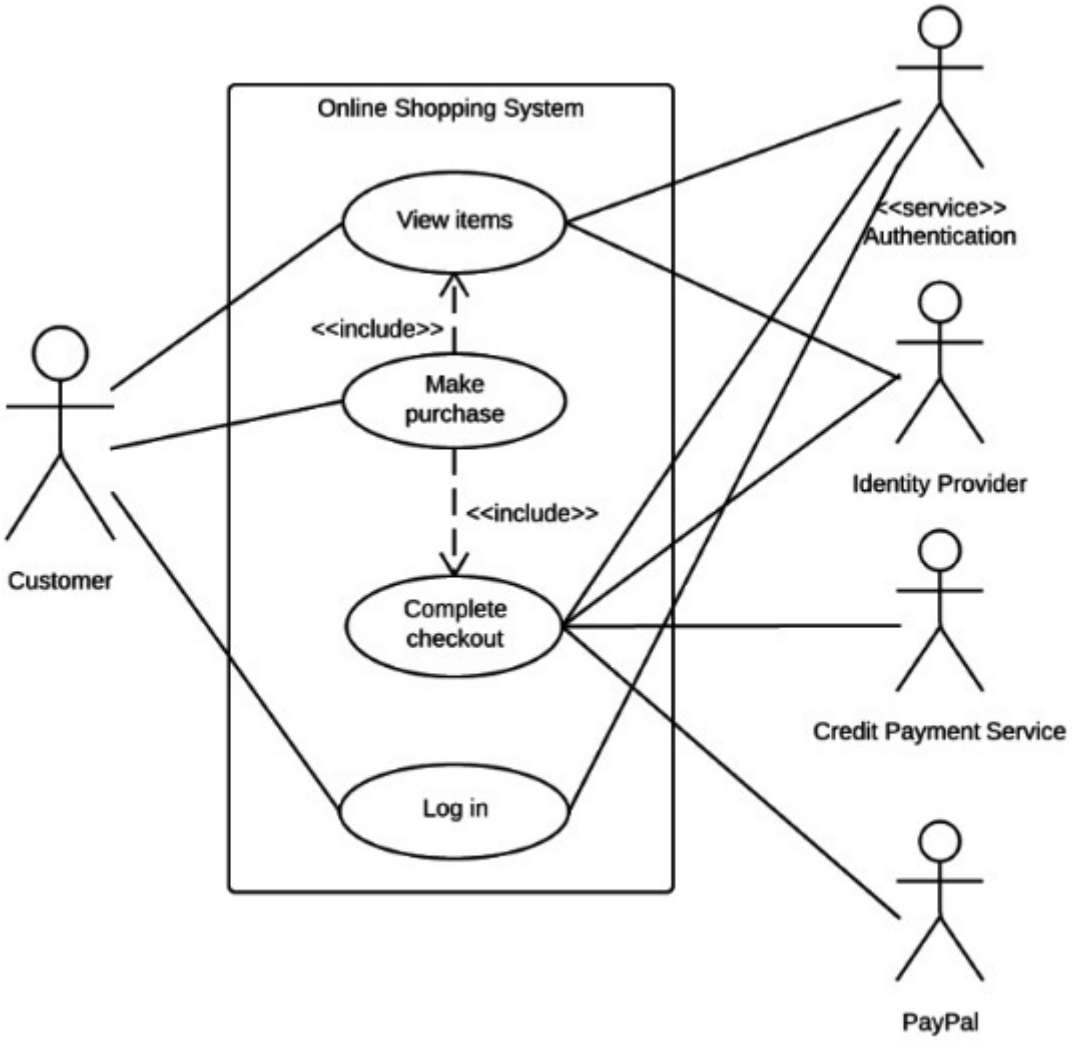
SOFTWARE REQUIREMENTS :

- Ubuntu 18.04LTS, Window 10 ,7
- Mozilla Fire Fox & Google Chrome latest version
- Xamp web server latest version or wamp server
- Android 7.0.2
- PHP 5.6.3
- MySQL 5.5.32
- Microsoft word

5
SYSTEM
DESIGN

Basic Flow of System

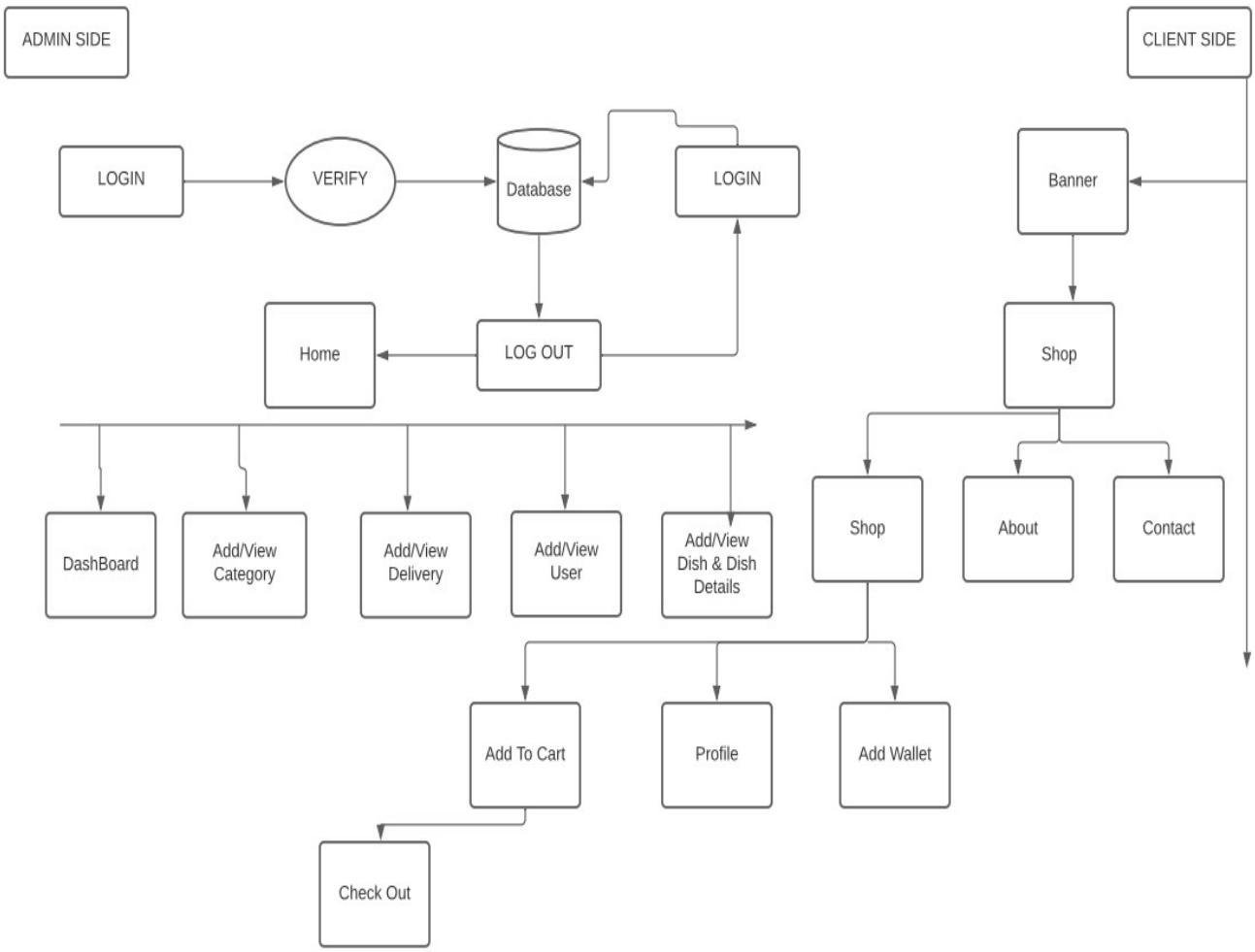
- **UML Use Case Diagram**



➢ 5.1.2) Data Flow Diagram

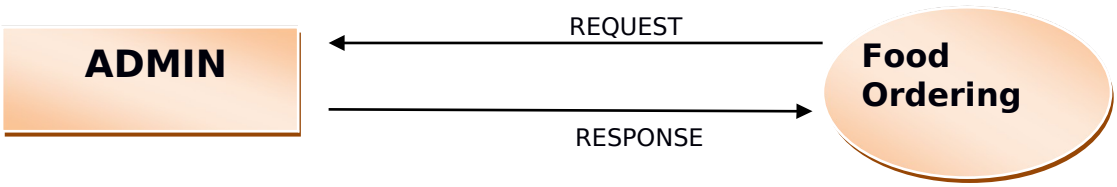
- **What is a Data Flow Diagrams(DFD)?**

✓ Data flow diagrams are commonly used for understanding the system and can be effectively used for analysis. When you are designing an application system, you must first consider the flow of the data into the out of it. A DFD shows the flow of the data through a system. DFD does not show decision or timing of events.



System Procedural Design

- **5.2.1) Context Level Diagram :**



6

IMPLEMENTATION

- **Add To Cart**

Table Name			addcart
Description			Cart details
Primary Key			ID
Field Name	Type	Size	Constraints
ID	Integer	11	Not Null
user_id	integer	255	Not Null
quantity	integer	255	Not Null
total_price	integer	255	Not Null
food_name	text	-	Not Null
food_img	text	-	Not Null
date	timestamp	-	-

❖ Admin

Table Name		admin		
Description		This table is used to stored data show dynamically in front page		
Primary Key		id		
Key	Field Name	Type	Size	Constraints
*	id	Integer	11	Not Null
	name	Varchar	255	Not Null
	email	Varchar	255	Not Null
	password	Varchar	255	Not Null
	time	Varchar	255	Not Null
	status	Varchar	255	Not Null

❖ Category

Table Name		Cat		
Description		This table is used to maintain and store the information related tto your Category		
Primary Key		id		
Key	Field Name	Type	Size	Constraints
*	id	Integer	11	Not Null
	name	text	-	Not Null
	img	text	-	Not Null
	date	timestamp	-	-
	status	int	255	Not Null

❖ ItemDetails

Table Name		itemmenu		
Description		This table is used to maintain and store the information related itemmenu		
Primary Key		id		
Key	Field Name	Type	Size	Constraints
*	id	Integer	255	Not Null
	name	text	-	Not Null
	img	text	-	Not Null
	description	text	-	Not Null
	price	integer	255	Not Null
	rating	varchar	255	Not Null
	delivery	text	-	Not Null

	type	text	-	Not Null
	date	timestamp	-	Not Null
	status	integer	255	Not Null

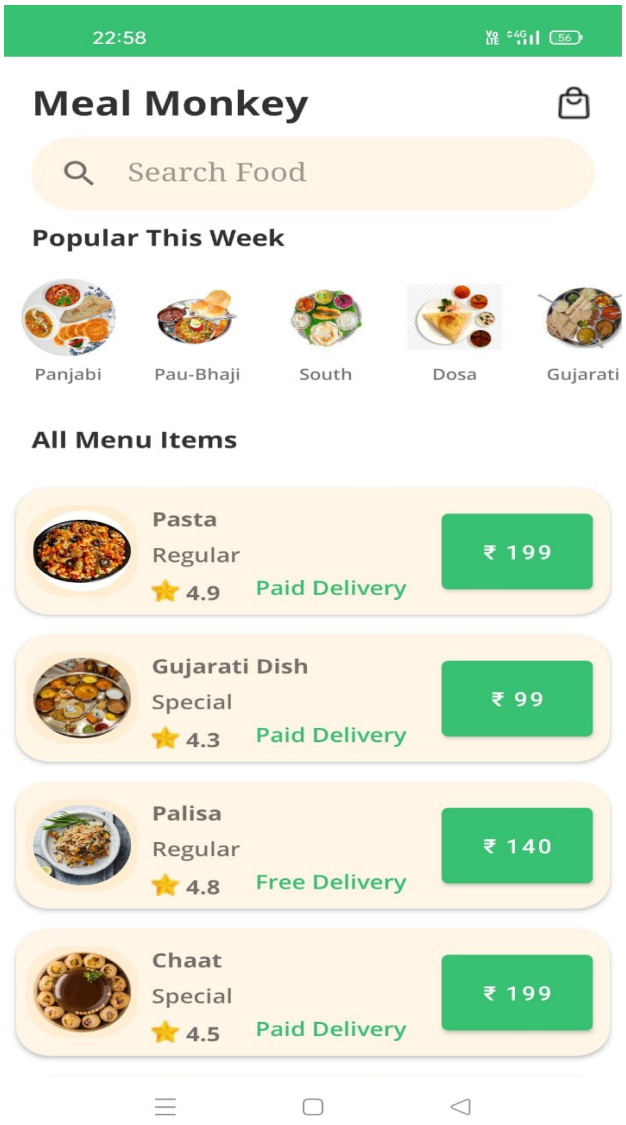
User_Details

Table Name		user_detail		
Description		This table is used to maintain and store the information related to user_detail		
Primary Key		id		
Key	Field Name	Type	Size	Constraints
*	id	Integer	11	Not Null
	name	Varchar	255	Not Null
	email	varchar	255	Not Null
	phone	varchar	255	Not Null
	address	varchar	255	Not Null
	date	varchar	255	Not Null
	status	Integer	255	Not Null

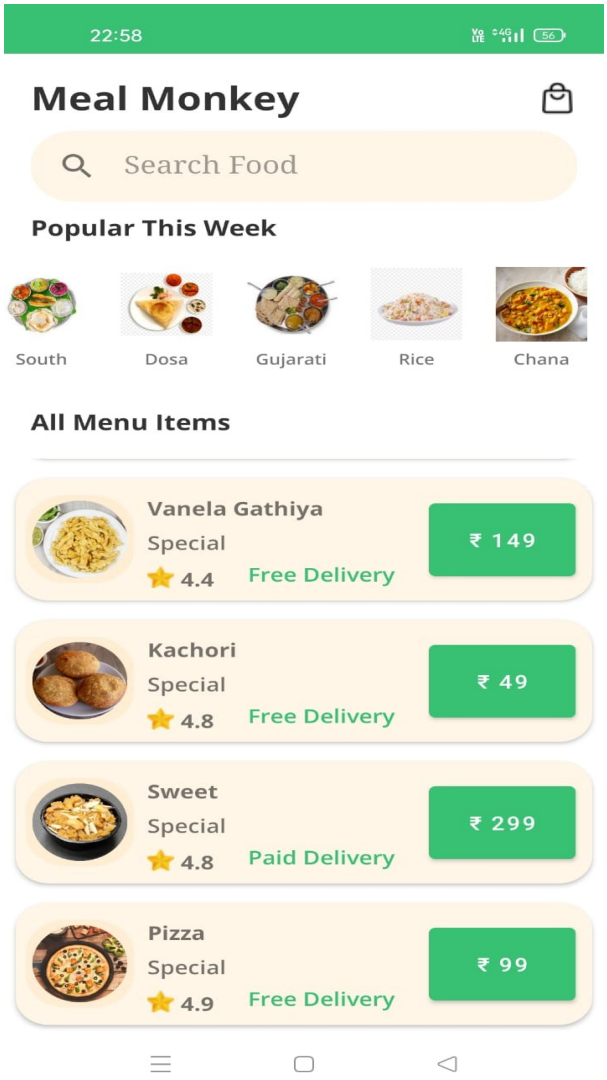
Application Layout

- **Splash Activity**

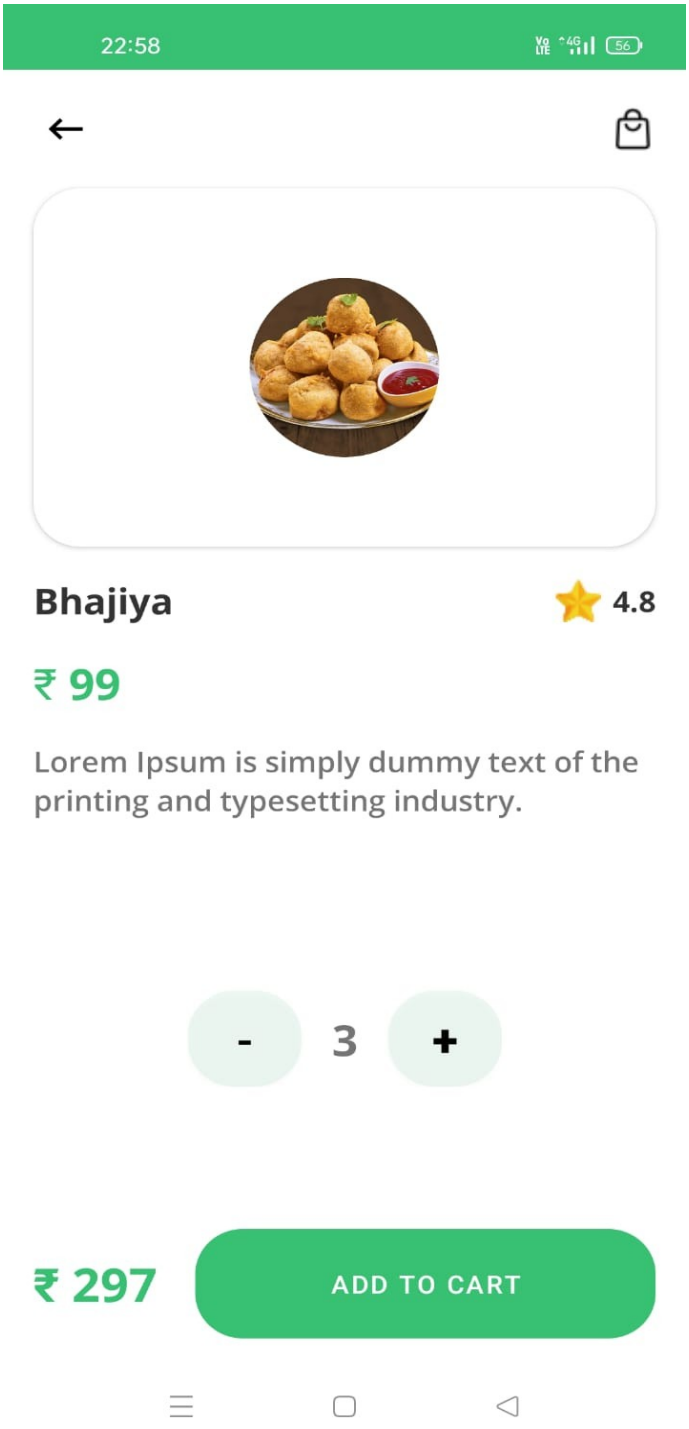
- **Home Activity 1**



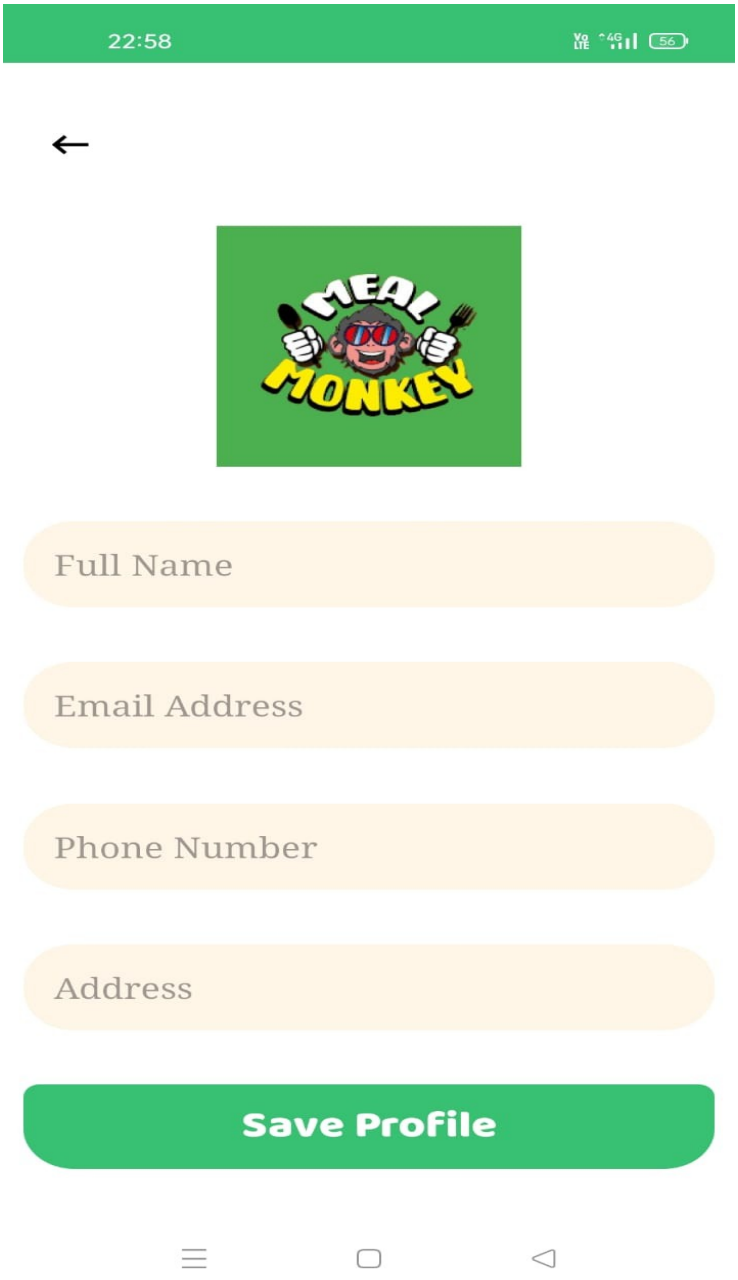
- **Home Activity 2**



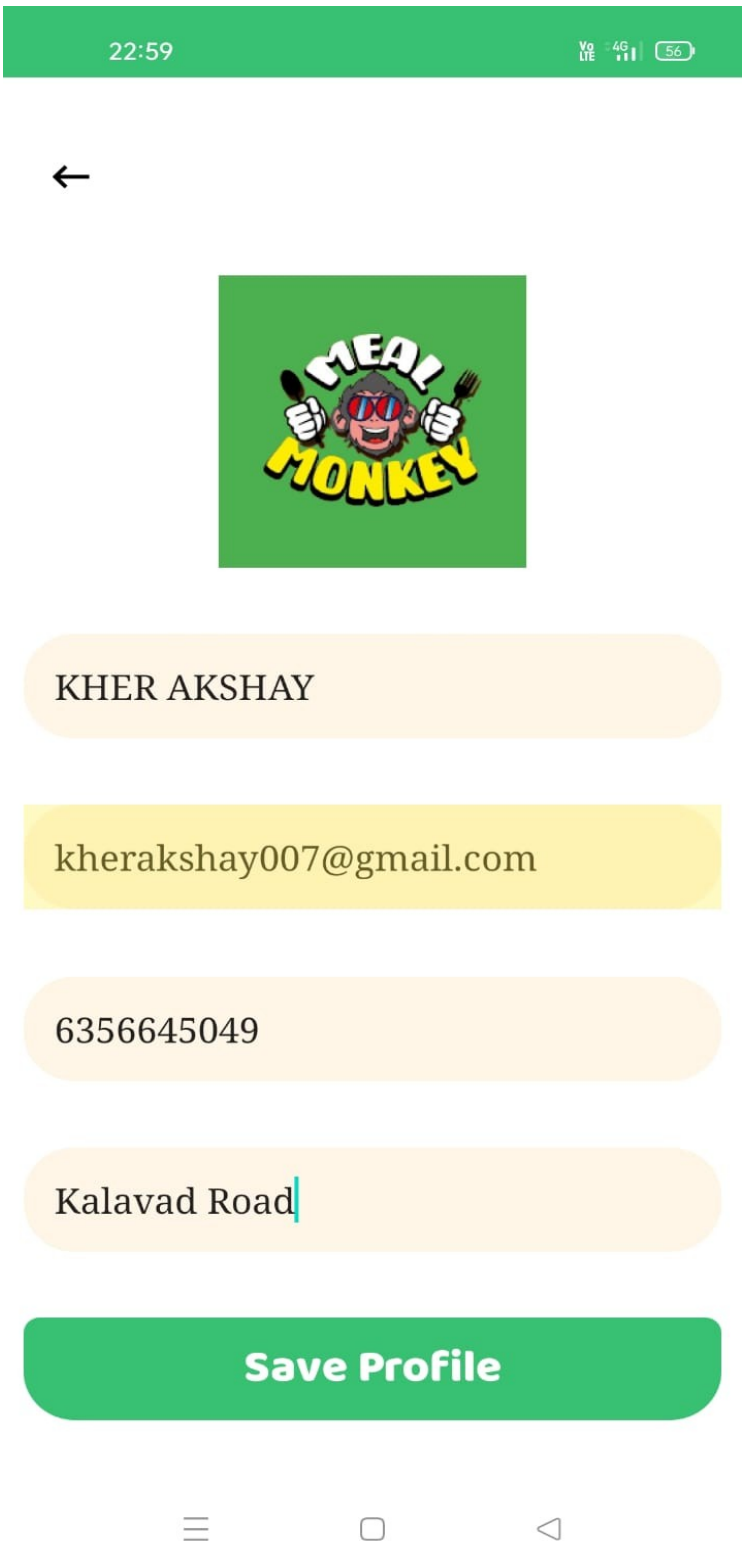
Add To Cart Activity



User Empty Form Activity

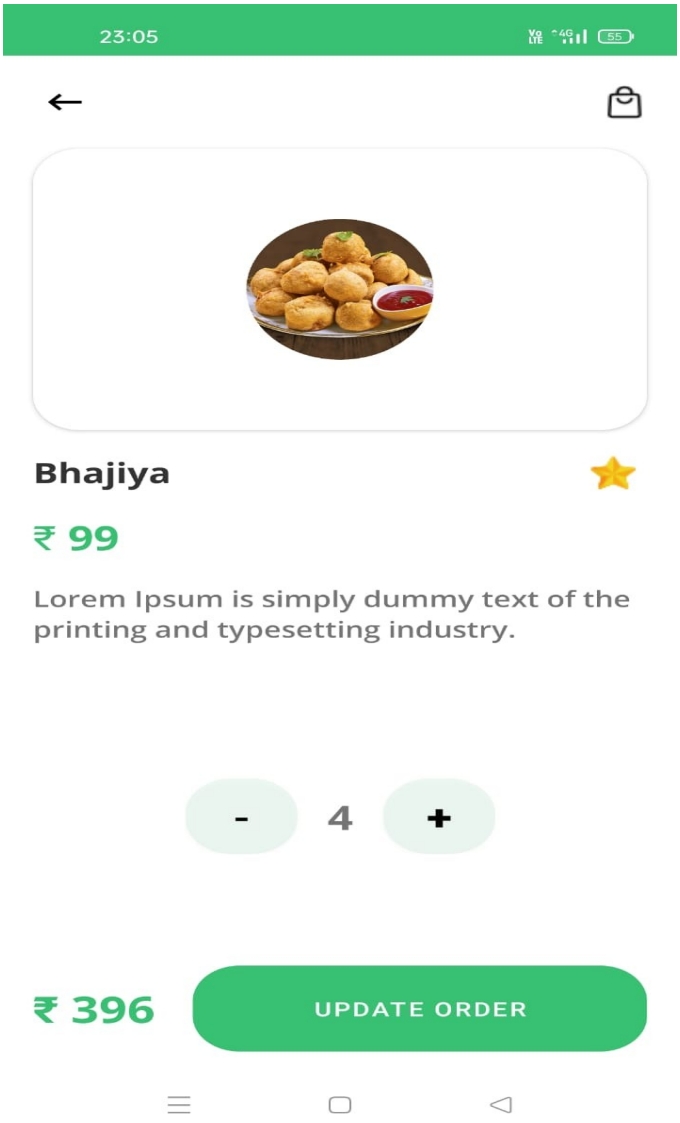


User Fillup Form Activity

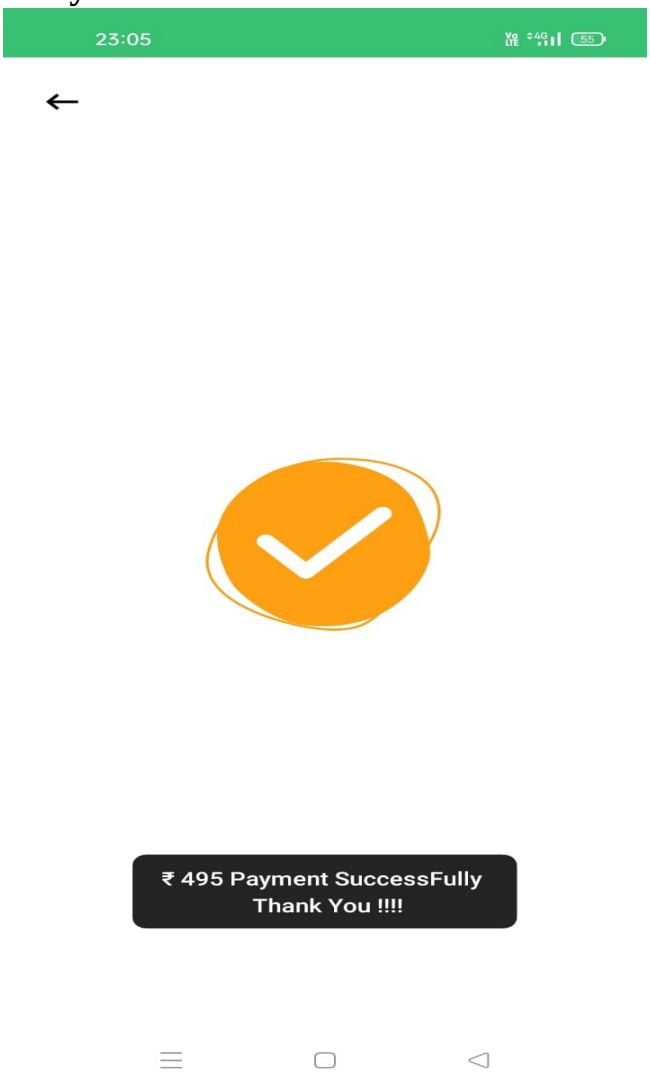


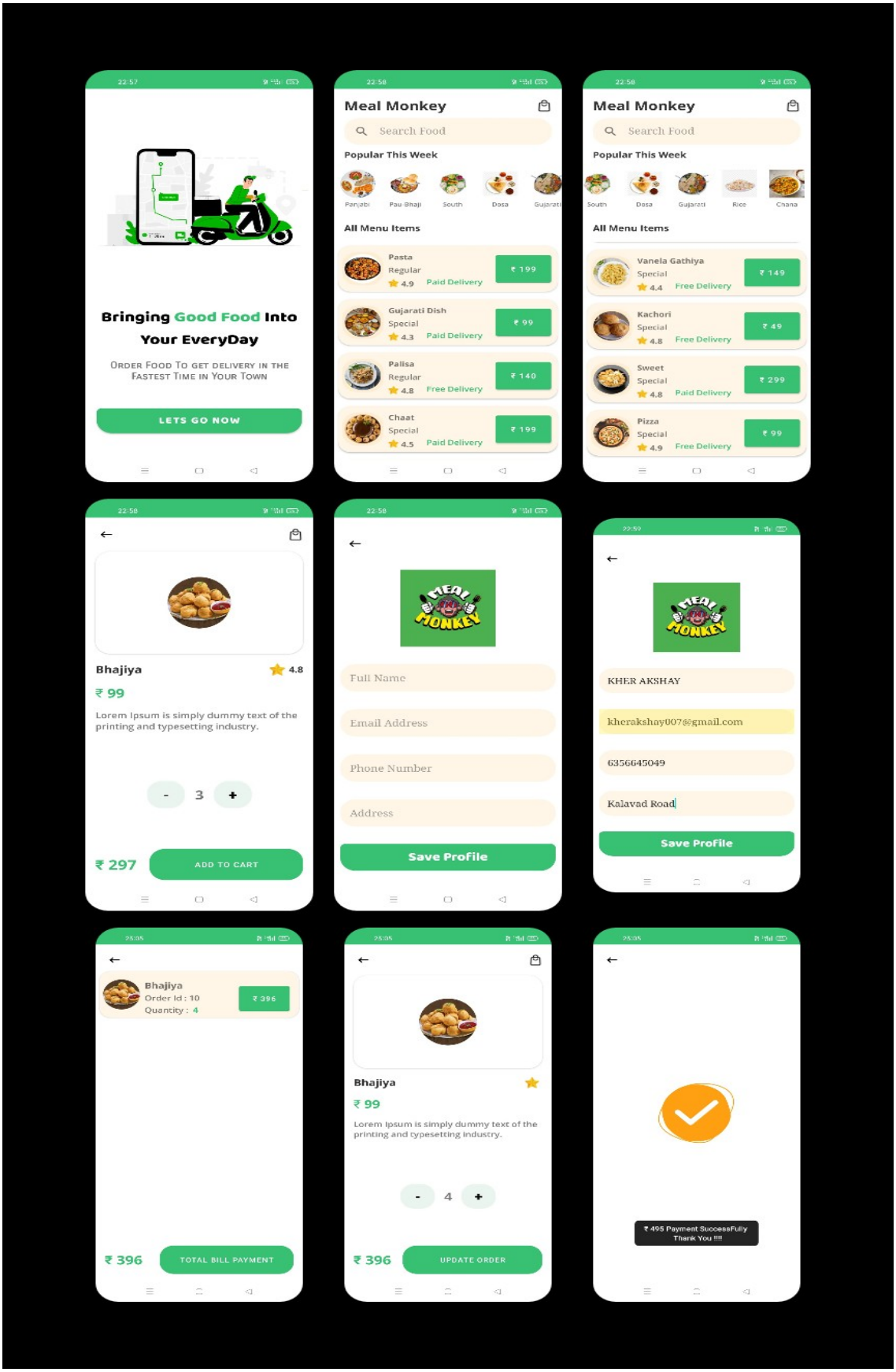
Total Bill Payment Activity

Update Activity



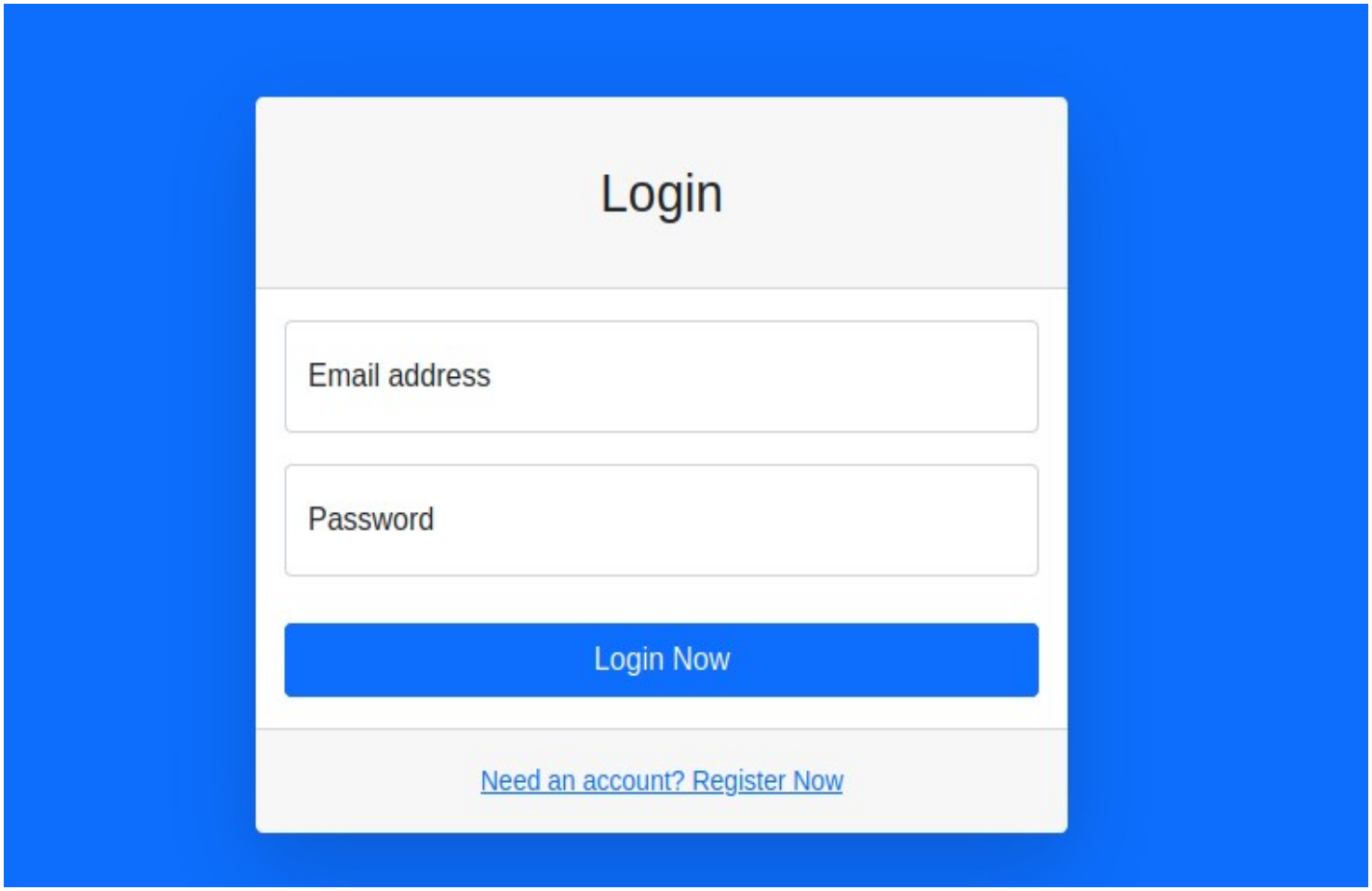
Order Success Activity



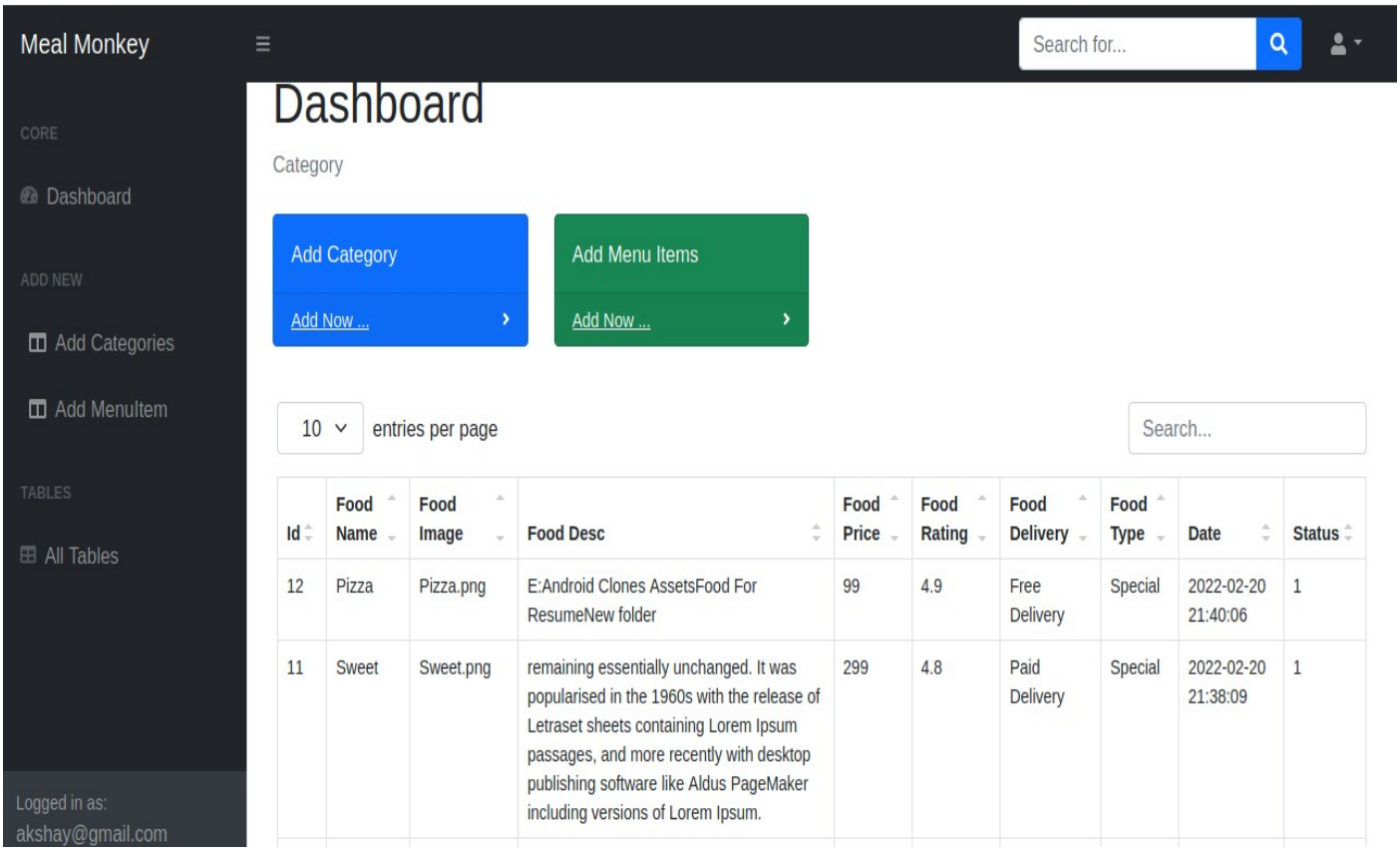

Bringing Good Food Into Your EveryDay
Order Food To get delivery in the Fastest Time in Your Town
LETS GO NOW
Meal Monkey
Search Food
Popular This Week
Panjabi
Pau Bhaji
South
Dosa
Gujarati
All Menu Items
Pasta
Regular
4.9
Paid Delivery
₹ 199
Gujarati Dish
Special
4.3
Paid Delivery
₹ 99
Palisa
Regular
4.8
Free Delivery
₹ 140
Chaat
Special
4.5
Paid Delivery
₹ 199
Meal Monkey
Search Food
Popular This Week
South
Dosa
Gujarati
Rice
Chana
All Menu Items
Vanela Gathiya
Special
4.4
Free Delivery
₹ 149
Kachori
Special
4.8
Free Delivery
₹ 49
Sweet
Special
4.8
Paid Delivery
₹ 299
Pizza
Special
4.9
Free Delivery
₹ 99
Bhajiya
4.8
₹ 99
Lorem Ipsum is simply dummy text of the printing and typesetting industry.
-
3
+
₹ 297
ADD TO CART
Full Name
Email Address
Phone Number
Address
Save Profile
KHER AKSHAY
kherakshay007@gmail.com
6356645049
Kalavad Road
Save Profile
Bhajiya
Order Id : 10
Quantity : 4
₹ 396
₹ 396
TOTAL BILL PAYMENT
Bhajiya
₹ 99
Lorem Ipsum is simply dummy text of the printing and typesetting industry.
-
4
+
₹ 396
UPDATE ORDER
₹ 495 Payment SuccessFully
Thank You !!!!

Admin Panel

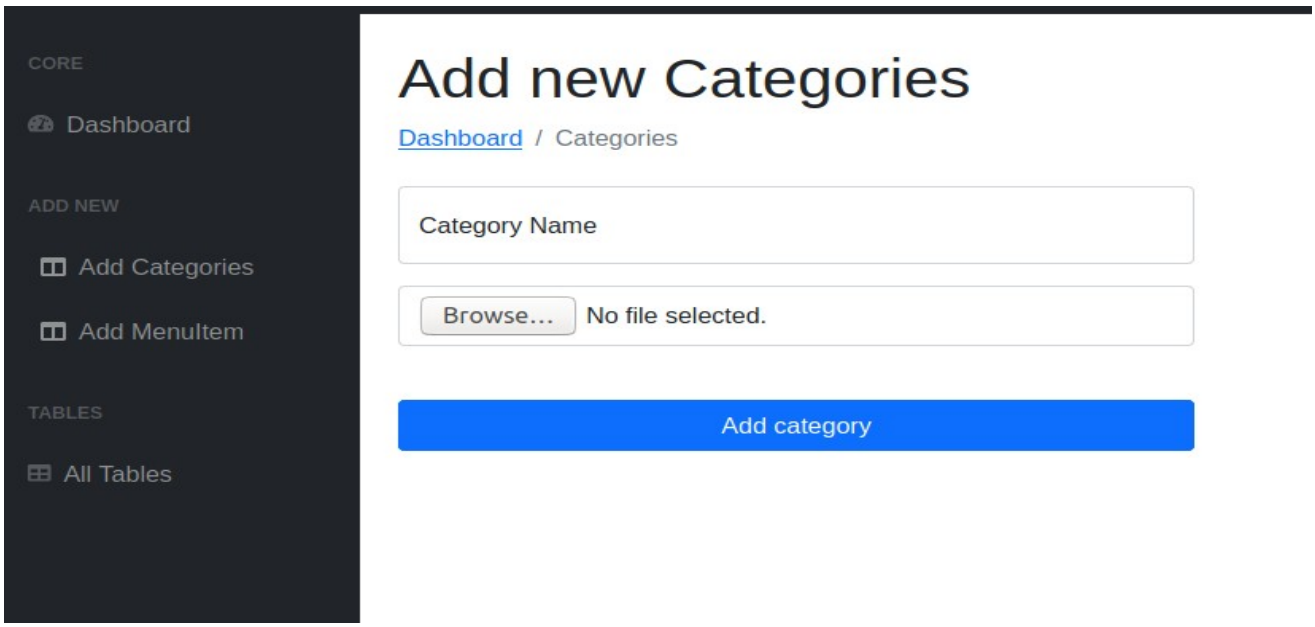
Login Page



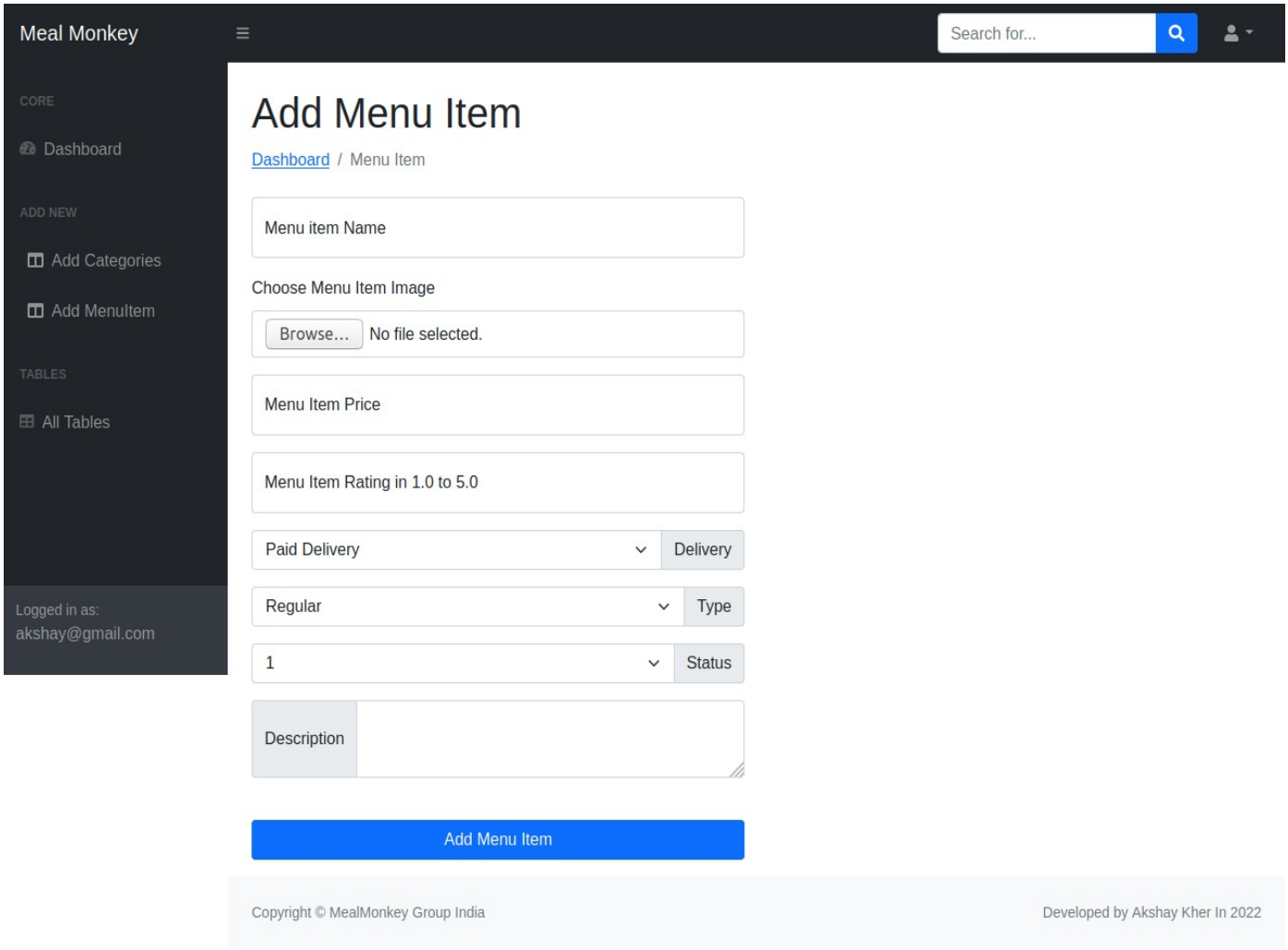
DashBoard



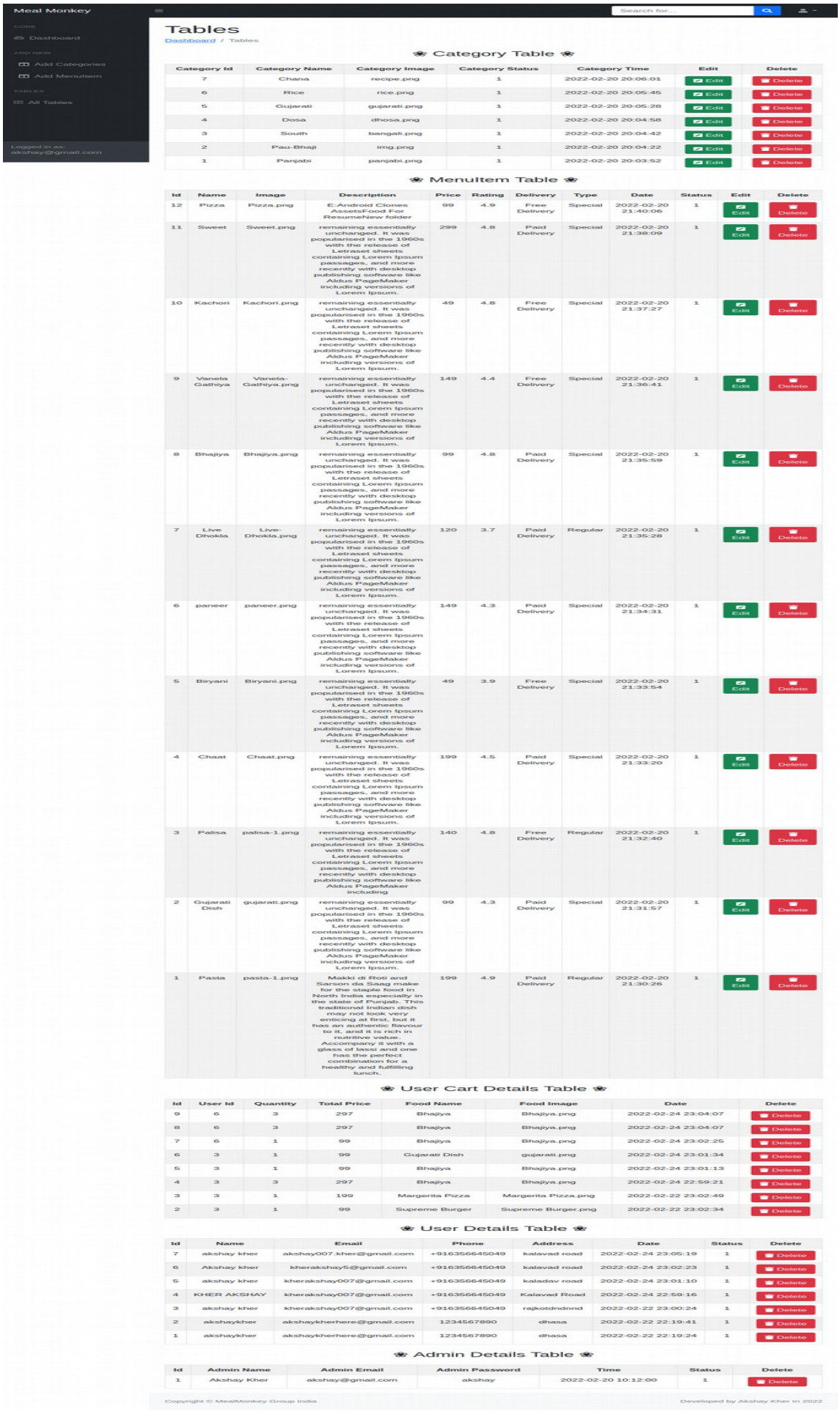
Add Categories



Add menuItem



MealMonkey FoodOrdering



7
TESTING

TESTING

- ✓ Testing is one of the important steps in system development. Software Testing also provides an objective, independent view of the software to allow the business to appreciate and understand the risks at implementation of the software. Test techniques include, but are not limited to, the process of executing a program or application with the intent of finding software bugs.
- ✓ Software Testing can also be stated as the process of validating and verifying that a software program/application/product:
- ✓ Meets the business and technical requirements that guided its design and development.
- ✓ Works as expected; and
- ✓ Can be implemented with the same characteristics.

➢ Software Testing, depending on the testing method employed can be implemented at any time in the development process. However, most of the test effort occurs after the requirements have been defined and the coding process has been completed. As such, the methodology of the test is governed by the Software Development methodology adopted.

TESTING LEVELS :

- Tests are frequently grouped by where they are added in the software development process, or by the level of specificity of the test.

Unit Testing :

- ✓ Unit Testing refers to tests that verify the functionality of a specific section of code, usually at the function level. In an object-oriented environment, this is usually at the class level, and the minimal unit tests include the constructors and destructors.

- ✓ These types of tests are usually written by developers as they work on code (white-box style), to ensure that the specific function is working as expected. One function might have multiple tests, to catch corner cases or other branches in the code. Unit testing alone cannot verify the functionality of a piece of software, but rather is used to assure that the building blocks the software uses work independently of each other.Unit testing is also called Component Testing.

Integration Testing :

- ✓ Integration Testing is any type of software testing that seeks to verify the interfaces between components against a software design. Software components may be integrated in an iterative way or all together ("big bang"). Normally the former is considered a better

practice since it allows interface issues to be localized more quickly and fixed.

- ✓ Integration Testing works to expose defects in the interfaces and interaction between integrated components (modules). Progressively larger groups of tested software components corresponding to elements of the architectural design are integrated and tested until the software works as a system.

System Testing :

- ✓ System Testing tests a completely integrated system to verify that it meets its requirements.

TYPES OF TESTING :

Functional Testing :

- ✓ It is an approach to testing where the tests are derived from the program or component specification. The system is a black box whose behavior can only be determined by studying its inputs and the related outputs.

Structural Testing :

- ✓ Structural testing is an approach to testing where the tests are derived from knowledge of the software„s structure and implementation. This approach is

sometimes called _white-box testing„ to distinguish from black –box testing.

8
FUTURE
WORK

- We have done analysis of this entire system till now, and in future we will develop this system as per our analysis.

- In future this application will became very user-friendly..

- In This App are daily basis use And future i will change some Design part and more.

- We will covert this App into Cross-plateform app management so that any user can access our app anywhere through their mobiles
- Currently Payment System not available but we will add this in future
- Add Google Map for Tracking User his Order And Delivery Boy Track User Location And Safely Delivery.

9
CONCLUSION

- I have developed *"Online Food Odering " App* in order to overcome the difficulties in managing the existing manual system. The Application has been designed effectively keeping in mind, the possible future enhancement and additional functionality; it has been designed to run in an efficient way.

- The Application is designed to be very user-friendly and interactive manner so that the user cannot find any difficulty while browsing the website. Thereby the proposed website, which is an economically, technically and operationally feasible system has overcome the deficiency that was present in the manual system.

10
REFERENCES

- This project was impossible to be a success without the support and help from the experience guide; the books and mainly the internet really prove it for us the

- “Information Highway”. Everything was really easy to find out on the internet. Spacaliy Thanks for StackOverFlow .

WEBSITE :

www.w3school.com

www.zomato.com/

www.swiggy.com/

www.dunzo.com/

https://stackoverflow.com/

Last But Not List

1. Github (Source Code) Link : **shorturl.at/csuJS**