

FOODBUZZ ONLINE FOOD REVIEW & ORDER SYSTEM

BY

**AL AMIN OVI
ID: 142-15-4095**

**MAHBUB ALAM
ID: 142-15-3626**

**SAHIDUL ISLAM ABIR
ID: 142-15-4096**

This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering.

Supervised By

Ms. Subhenur Latif
Assistant Professor
Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

April 2018

APPROVAL

This Project titled “**FoodBuzz Online Food Review System,**” submitted by Al Amin Ovi, ID No: 142-15-4095, Sahidul Islam Abir, ID No: 142-15-4096 and Mahbub Alam, ID No: 142-15-3626 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 6th May 2018.

BOARD OF EXAMINERS

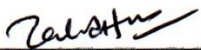
Dr. Syed Akhter Hossain
Professor and Head

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University



Chairman

Dr. Sheak Rashed Haider Noori
Associate Professor and Associate Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University



Internal Examiner

Md. Zahid Hasan
Assistant Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University



Internal Examiner

Dr. Mohammad Shorif Uddin
Professor
Department of Computer Science and Engineering
Jahangirnagar University

External Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Ms. Subhenur Latif, Assistant Professor**, Department of Computer Science and Engineering, Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



Ms. Subhenur Latif

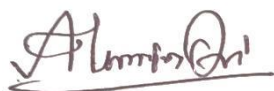
Assistant Professor

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University

Submitted by:



Al Amin Ovi

ID: 142-15-4095

Department of CSE

Daffodil International University



Mahbub Alam

ID: 142-15-3626

Department of CSE

Daffodil International University



Sahidul Islam Abir

ID: 142-15-4096

Department of CSE

Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty **ALLAH** for His divine blessing makes us possible to complete the final year project.

We really grateful and wish our profound our indebtedness to **Ms. Subhenur Latif, Assistant Professor**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of’ web development’ to carry out this project. Her endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to **Prof. Dr. Syed Akhter Hossain**; Head, Department of Computer Science and Engineering, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

“Foodbuzz” is a Restaurant review and offer based system which is a web based application system. It provides visitors to find their satisfied restaurant places with reviews. In this web based application we include restaurant lists, food offers, ordering food and reviews posting. In this web based application we wanted to give the users useful information about the Restaurant services in our country and also create a way to order the food in online.

TABLE OF CONTENT

CONTENTS	PAGE
Board of examiners	ii
Declaration	iii
Acknowledgement	iv
Abstract	v
Table of Content	vi-x
List of Figures	vi-x
List of Tables	x
CHAPTER 1: INTRODUCTIOIN	11-13
1.1 Introduction	11
1.2 Motivation of work	11
1.3 Objectives	12
1.4 Expected Outcome	12
1.5 Report Layout	13
CHAPTER 2: BACKGROUND	14-16
2.1 Introduction	13
2.2 Related Works	14
2.2.1 Foodpanda.com.bd	14-15
2.2.2 Foodiez.com.bd	15
2.3 Comparative Studies	16
2.4 Scope of the Problem	16

2.5 Challenges	16
CHAPTER 3: REQUIREMENT SPECIFICATION	17-26
3.1 Business Process Modeling	17
3.2 General System Requirement of “FoodBuzz”	18
3.3 Use Case Model	19
3.3.1 Use Case Model of the system	19
3.4 Use Case Description	20-23
3.5 Logical Data Model	24-25
3.4.1 E-R Diagram	24
3.4.2 Data Flow Diagram	25
3.5 Design Requirements	26
CHAPTER 4: DESIGN SPECIFICATION	27-33
4.1 Front-end Design	27-31
4.1.1 Home Page	27
4.1.2 Map	28
4.1.3 Features	28
4.1.4 Login	29
4.1.5 Registration	29
4.1.6 Restaurant List	30
4.1.7 Offer List	30
4.1.8 Admin Login	31
4.1.9 Admin Panel	31

4.2 Back-end Design	32
4.3 Interaction Design and UX	32
4.4 Implementation Requirements	33
CHAPTER 5: IMPLEMENTATION AND TESTING	34-37
5.1 Implementation of Database	34
5.2 Implementation of Front-End Design	35
5.3 Implementation of Interactions	35
5.4 Testing Implementation	35-36
5.5 Test Results and Reports	37
CHAPTER 6: CONCLUSION AND FUTURE SCOPE	38
6.1 Discussion and Conclusion	38
6.2 Scope for Future Developments	38
REFERENCE	39
APPENDIX	40
PLAGIARISM REPORT	41

LIST OF FIGURES

FIGURES	PAGE
Figure 2.1: Foodpanda.com.bd	15
Figure 2.2: Foodiez.com.bd	15
Figure 3.1: Business Process Modeling of the System	17
Figure 3.2: Use Case Diagram Model	19
Figure 3.3: E-R Diagram	24
Figure 3.4: Data Flow Diagram System	25
Figure 4.1: Home Page	27
Figure 4.2: Google Map	28
Figure 4.3: Features of Website	28
Figure 4.4: Login Form	29
Figure 4.5: Registration Form	29
Figure 4.6: Restaurant List	30
Figure 4.7: Offer List	30
Figure 4.8: Admin Login	31
Figure 4.9: Admin Panel	31
Figure 4.10: Database tables in Phpmyadmin	32
Figure 8.1: Plagiarism Report	41

LIST OF TABLES

TABLE	PAGE
TABLE 3.4.1: USE CASE DESCRIPTION OF REGISTER	20
TABLE 3.4.2: USE CASE DESCRIPTION OF LOGIN	20
TABLE 3.4.3: USE CASE DESCRIPTION OF POST REVIEW	21
TABLE 3.4.4: USE CASE DESCRIPTION OF VIEW OFFER & ORDER	21
TABLE 3.4.5: USE CASE DESCRIPTION OF POST OFFER	21
TABLE 3.4.6: USE CASE DESCRIPTION OF MANAGE ACCOUNT	22
TABLE 3.4.7: USE CASE DESCRIPTION OF MANAGE OFFER	22
TABLE 3.4.8: USE CASE DESCRIPTION OF MANAGE POST	22
TABLE 3.4.9: USE CASE DESCRIPTION OF UPDATE PROFILE	23
TABLE 3.4.10: USE CASE DESCRIPTION OF MANAGE POST	23
TABLE 3.4.11: USE CASE DESCRIPTION OF LOGOUT	23
TABLE 5.4.1: TEST CASE EVALUATION	36

CHAPTER 1

INTRODUCTION

1.1 Introduction

Food is one of the basic needs of a person. Always people want to find the tasteful food items in all over the world. Food is the basic needs of all aged people want to go the perfect places for delicious food. Our system helps those people who want to enjoy the delicious and tasty foods. In our website we made scope for visitors to find what they want and restaurants to do business. The visitor can see the top restaurants and see there reviews, see their offers, give order and posts reviews, so that the quality may well maintained.

A local or foreigner everyone can visit our website. But they have to register first and then they can fully access our website .We created an authentication system where there type of users can register and use our website, they are Admin, Visitors and Restaurant owners. Our authentication system consists of admin panel and Restaurant owner's offer panel to post and delete offers. Our system will be in two languages so the local and global both users can use this.

1.2 Motivation of Work

When looking to the available food and restaurant web-based system and forum. We can see the advanced features they provide. However, the review approaches are still not in the tradition and it is motivate us to include reviews from social media (Facebook) and other platform in our system. We think that's the easier and helpful for local and foreigners both.

Generally all of the local people can't understand English. Many web-based applications didn't also provide other than English language. This is why we think we have made the choice of Restaurant review and offer based system multi languages.

1.3 Objectives

- Users can operate it via computer/smartphones/tabs with the help of internet.
- Users can add information in the registration form.
- After adding information ,visitors profile automatically created
- Users can search their expected location on the Google map integrated in our website
- Restaurant Owner can post new offers and take orders from visitors.
- Visitors and Restaurant owners both can see the reviews.
- Customers can order food and post reviews.

1.4 Expected Outcome

This project is to develop a tool that will help people to find their expected Restaurant. In this system user can search restaurant and offers. In this system only users can access their profile. Admin can delete their profiles for security and terms and condition proposes if any occurrence happens. This system includes Bangla front so the local users reliably in this the website .Admin can control the databases and reply the comments of the forum.

1.5 Report Layout

Chapter 1: Introduction

In this chapter we have discussed about the motivation, objectives and the expected outcome of the project. Later followed by the report layout

Chapter 2: Background

We discuss about the background circumstances of our project. We also talk about the related work, comparison to other candidate systems, the scope of the problem and challenges of the project.

Chapter 3: Requirement Specification

This chapter is all about the requirements like business process modeling, the requirement collection and analysis, the use case model of the project and their description, the logical relational database model and the design requirements.

Chapter 4: Design Specification

In this chapter we discussed all the designs of the project, front-end design, back-end design, interaction design and UX and the implementation requirements.

Chapter 5: Implementation and Testing

This chapter contains the implementation of database, front-end designs, interactions and the test results of the project.

Chapter 6: Conclusion and Future Scope

We discussed about the conclusion and the scope for further developments.

CHAPTER 2

BACKGROUND

2.1 Introduction

“FoodBuzz” is very informative web based application. In this system we can features the necessary information about restaurants and offers they provide. The local users and foreigners can gain their necessary information from here. This project will reduce money expense and save time.

2.2 Related Work

There are many restaurant web based application available in Bangladesh. The dominant players currently appear to be Foodiez.com.bd, foodpanda.com.bd and a few others [4] [5]. Here we will demonstrate some examples, and show their principles of work, and investigate the problems, weaknesses, and even features associated with them.

2.2.2 Foodpanda.com.bd

Foodpanda.com.bd is not only focused on online restaurant details and locations but also extend to deliver the food via home delivery service [4]. Developed home delivery services. In a new level this will help to the users and make them wanted to visit the website for this unique features. It’s also partnership with many food shop and restaurant. They delivered their food to their customers. Which is also effective in a business sense? All those features are capable to associate any other competitors [4].

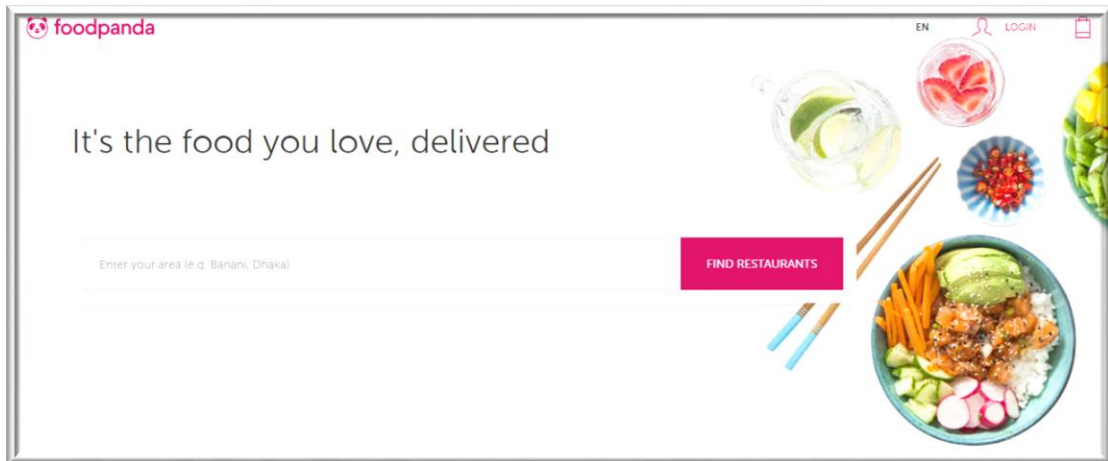


Fig 2.1: Foodpanda.com.bd [4]

2.2.3 Foodiez.com.bd

Foodiez is not only focused on online restaurant finder but also to extend to shows the customer the delicious food with low range money [5]. This will help the user to find their desirable restaurant where they willing to go. They also provide a section called “Around the world” where user can also see the global famous restaurants details.

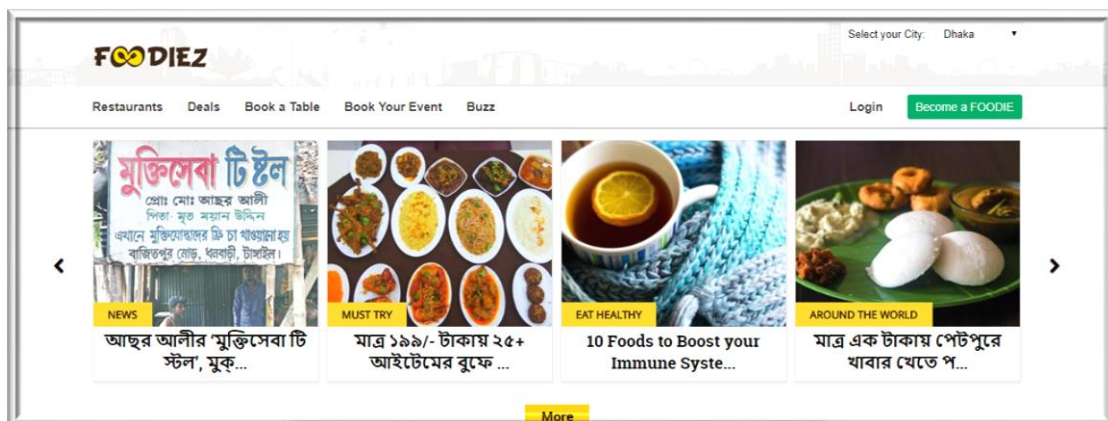


Fig 2.2: Foodiez.com.bd [5]

2.3 Comparative Studies

Our implemented software is different from the existing software's. Users can easily find restaurants and hotels details at the same place. The system also provides Facebook reviews. As people now a day depends on reviews feedback either they visit restaurant in that particular places. If any offers available it's also notified by the website.

Also there is an option, where especially foreigners can explore the bright side of our country's restaurants. Another advantage is dual languages available in English and Bangla so that local people can also find it user friendly.

2.4 Scope of problem

- It's hard to make a system that can place order for food from restaurant via our website.
- Maintaining the user rating and reviews
- Maintaining up-to-date information is
- It is an open platform so user always may not interest to register their information

2.5 Challenges

- Configuring and integrating the Laravel framework with template [3].
- Connecting the Database.
- Making the most secure security.
- Beautiful design and effective features.
- Dynamic data passing channel creating.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Business process modeling (BPM) in systems engineering is the activity of representing processes of an enterprise, so that the current process may be analyzed or improved. BPM is typically performed by business analysts, who provide expertise in the modeling discipline; by subject matter experts, who have specialized knowledge of the processes being modeled; or more commonly by a team comprising both. Alternatively, the process model can be derived directly from events' logs using process mining tools [7]. The business model objective is often to increase process speed or reduce cycle time.

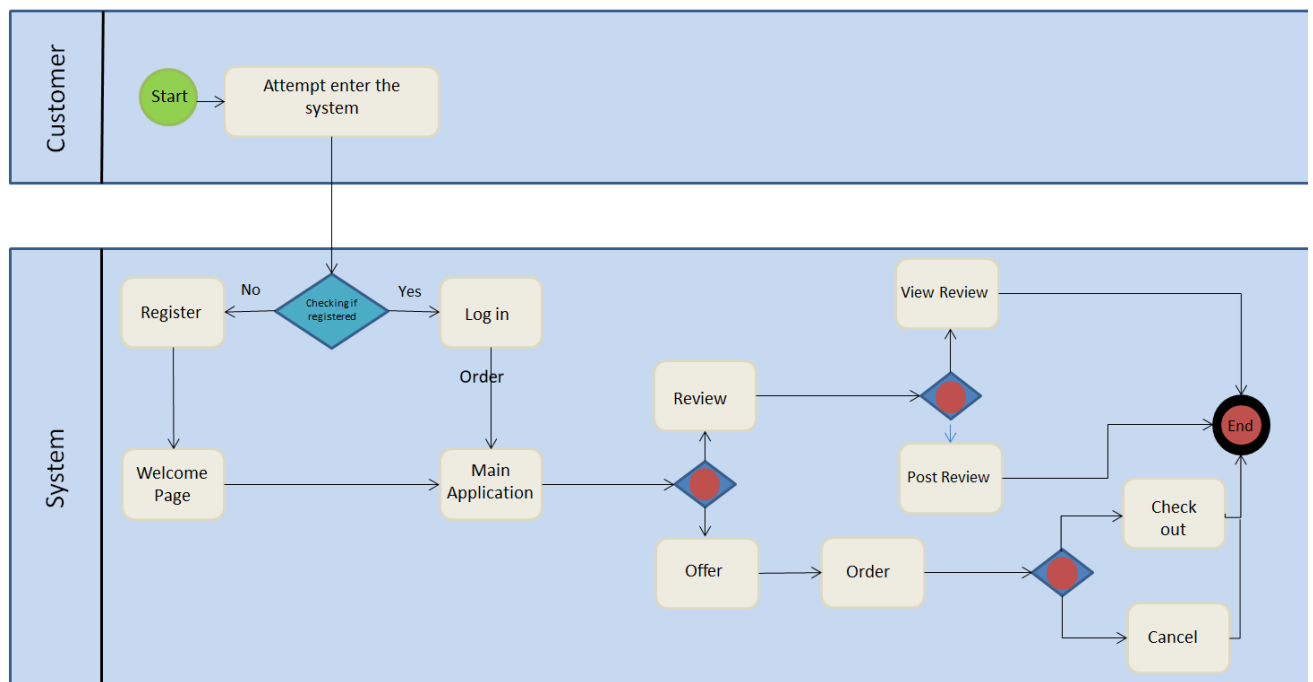


Fig 3.1: Business Process Modeling of the System

3.2 General System Requirement of “FoodBuzz”

There are some minimum requirements of both hardware and software to build our website. These requirements have to fulfill in order to run our project. A general list of hardware and software component is given below to get an idea about what we used to build our project-

- Hardware
 - Computer or Laptop
 - Server
- Software
 - Windows Operating System (Windows 10).
 - PhpStorm
 - Xampp Control Panel.
 - Sublime text 3.
 - Browser (Firefox, Chrome)
- Programming Language and Framework.
 - Html
 - CSS
 - JavaScript
 - MySQL
 - PHP
 - Bootstrap 4
 - Laravel 5

3.3 Use Case Model

The following use case model diagram shows that how many users are going to use the system and also give an idea about the relation between these users in the system. Here the users are Admin, visitors and restaurant owners and their relationship with the system.

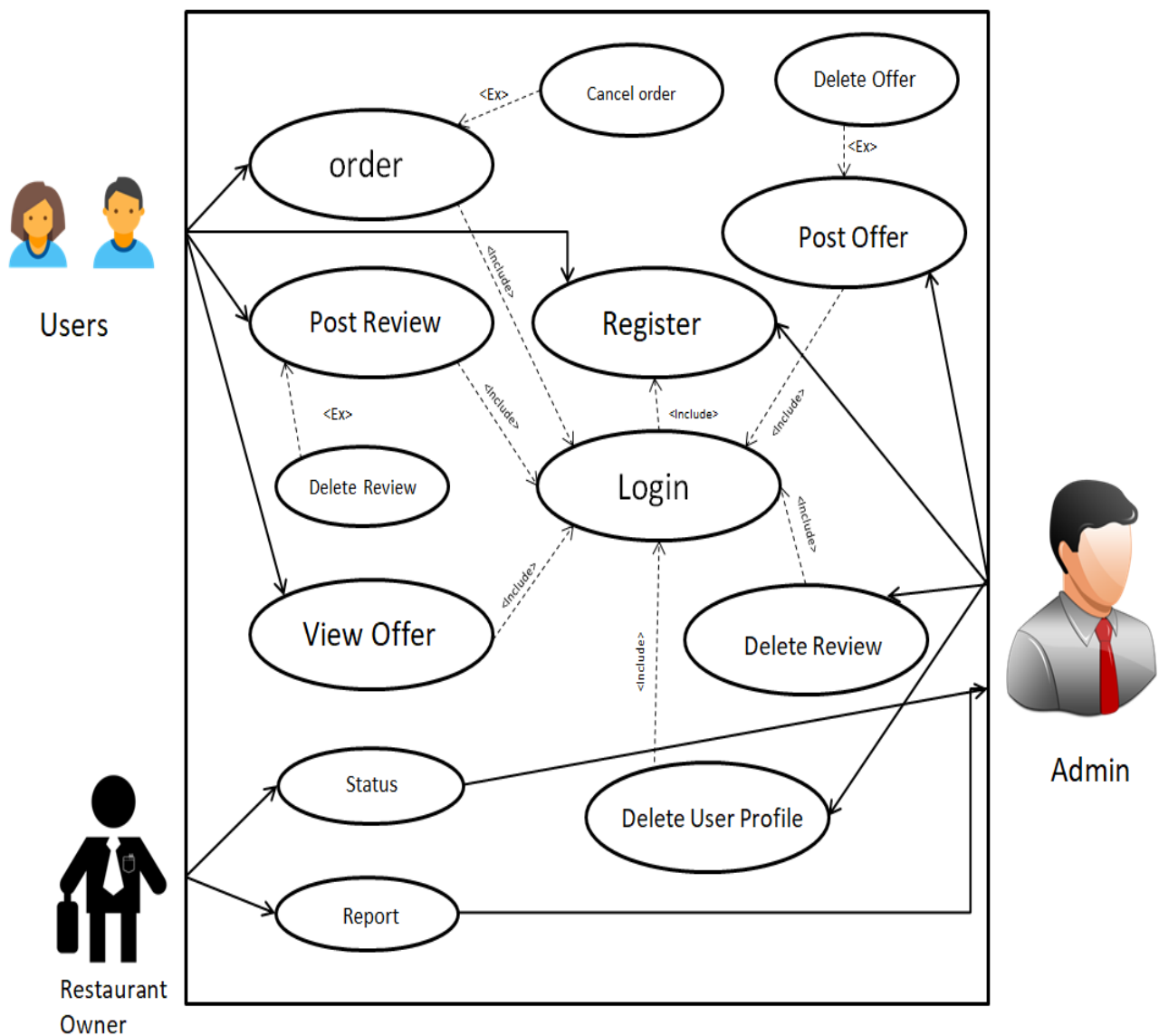


Fig 3.2: Use Case Model of the System (FoodBuzz)

3.4 Use Case Description

The description of the use case model of 3.3 (Figure 3.3.1) is given below. Every attribute will be discuss with a table containing “Primary Actor”, “Secondary Actor”, “Pre-condition”, ”Scenario” and “Post-condition”. So that it could be understandable by all.

TABLE 3.4.1 USE CASE DESCRIPTION OF REGISTER

Use case	Register
Primary Actor	Admin, Users
Secondary Actor	Null
Pre-condition	Null
Scenario	<ul style="list-style-type: none"> • Enter Name • Enter Username • Enter Email • Enter Password
Post-condition	Register successfully or failed

TABLE 3.4.2 USE CASE DESCRIPTION OF LOGIN

Use case	Login
Primary Actor	Admin, Users
Secondary Actor	Null
Pre-condition	Null
Scenario	<ul style="list-style-type: none"> • Enter Email/User name • Enter Password
Post-condition	Register successfully or failed

TABLE 3.4.3 USE CASE DESCRIPTION OF POST REVIEW

Use case	Post Review
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> • Enter Restaurant Name • Enter Description • Enter Rating • Enter Picture • Delete Post
Post-condition	Review posted successfully or failed

TABLE 3.4.4 USE CASE DESCRIPTION OF VIEW OFFER & ORDER

Use case	View Offer & Order
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> • Can Restaurant's Offers • Can Order foods • Can give a feed back
Post-condition	Ordered food successfully or failed

TABLE 3.4.5 USE CASE DESCRIPTION OF POST OFFER

Use case	Post Offer
Primary Actor	Amin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> • Can Post Offers
Post-condition	Offer posted successfully or failed

TABLE 3.4.6 USE CASE DESCRIPTION OF MANAGE ACCOUNT

Use case	Manage Account
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Check Accounts • Can Delete Block
Post-condition	Account blocked successfully.

TABLE 3.4.7 USE CASE DESCRIPTION OF MANAGE OFFER

Use case	Manage Offer
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Check Offers • Can Delete Offers
Post-condition	Offer deleted successfully.

TABLE 3.4.8 USE CASE DESCRIPTION OF MANAGE POST

Use case	Manage Review
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Check Post • Can Delete Post
Post-condition	Post deleted successfully.

TABLE 3.4.9 USE CASE DESCRIPTION OF UPDATE PROFILE

Use case	Update Profile
Primary Actor	Admin, Visitor, Restaurant Owner
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Update Image • Can Update Name • Can Update Information
Post-condition	Profile updated successfully or failed

TABLE 3.4.10 USE CASE DESCRIPTION OF MANAGE POST

Use case	Manage Post
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Delete Profile
Post-condition	Profile deleted successfully.

TABLE 3.4.11 USE CASE DESCRIPTION OF LOGOUT

Use case	Logout
Primary Actor	Admin, Visitor, Restaurant Owner
Secondary Actor	Null
Pre-condition	logged in
Scenario	<ul style="list-style-type: none"> • Can Logout
Post-condition	Logout successfully or failed

3.5 Logical Data Model

3.5.1 E-R Diagram

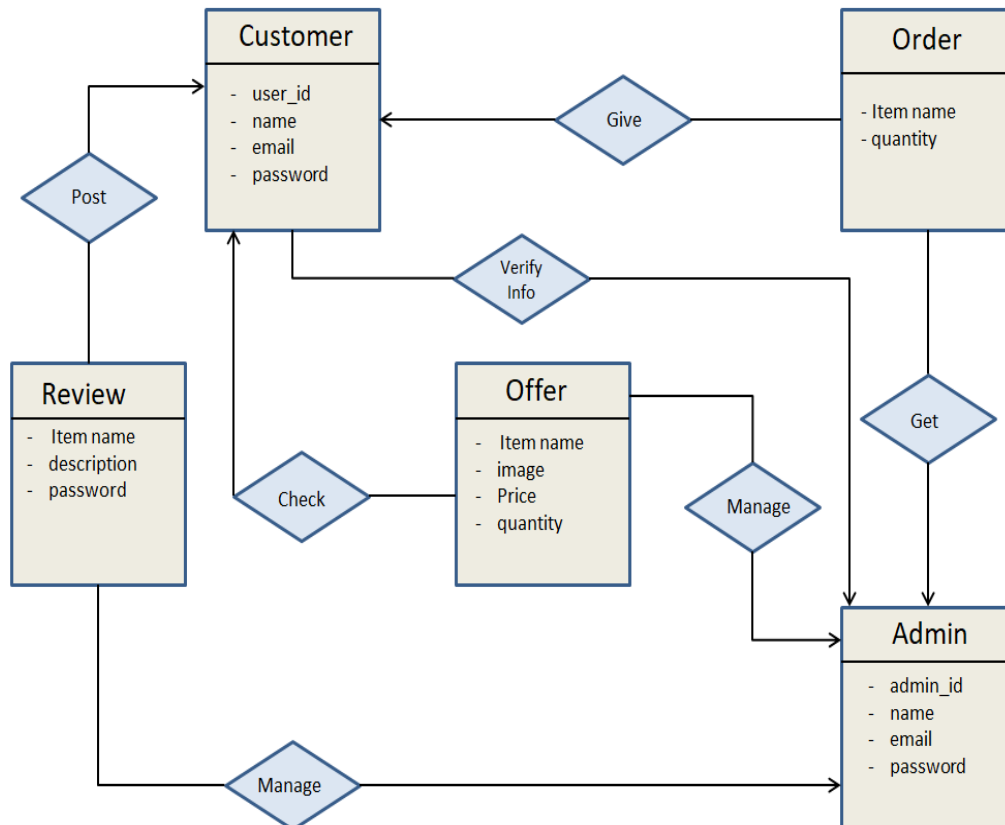


Fig 3.3: E-R Diagram of System (FoodBuzz)

3.5.2 Data Flow Diagram

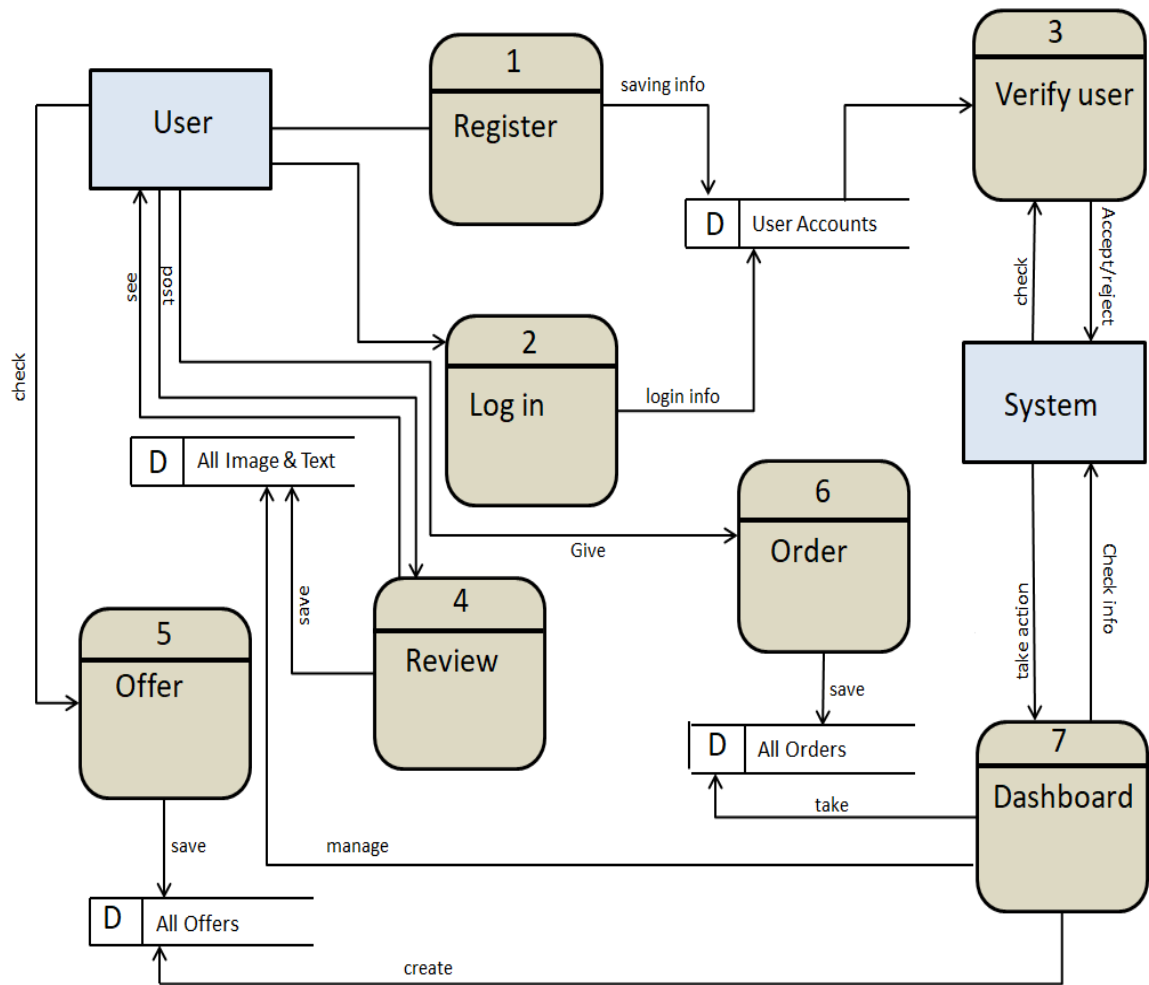


Fig 3.4: Data Flow Diagram System (FoodBuzz)

3.6 Design Requirement

- This system will have three type of user such as admin, visitor, restaurant owner
- Visitors and Restaurant owners will register and setup their profiles.
- Visitors can search restaurants.
- Visitors can see reviews about the restaurant.
- Visitors can see offers of restaurants.
- Visitor can order foods.
- Visitor can post reviews and give ratings.
- Restaurant owners can post offers
- Restaurant owners can delete offers
- Restaurant owners can take orders.
- Admin can manager and block account
- Admin can add restaurant reviews.
- Admin can delete review post and offer post
- Admin can delete profiles.
- Everyone can logout their account.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

Front-end design is the representation of a web application or software. This is the way of interaction way between the users and the servers. Front-end design is known as a client-side development. In the most aspect of a website development the most important part is to design the front-end. We created a front-end design for the users to co-operate with the website easily.

4.1.1 Home Page

In the home page there are menu bar, website name & logo, feature restaurant, map, search bar, sing in etc. the whole website is trying to make as responsive as it can be to view many devices.

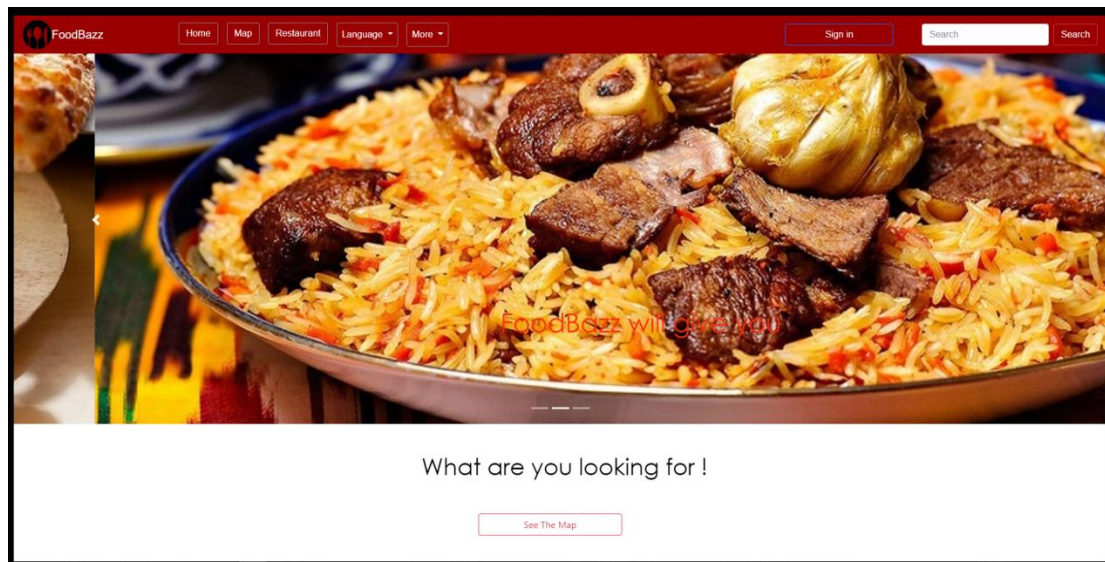


Fig 4.1: Home Page

4.1.2 Map

Map is a helpful tool to search many places.

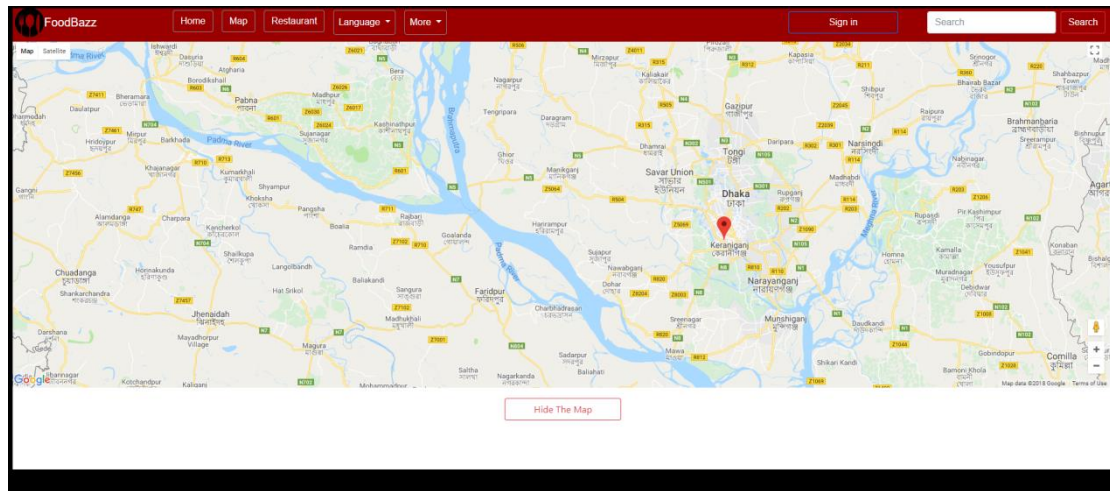


Fig 4.2: Google Map

4.1.3 Features

Features of the website are restaurant list, offers and review posting

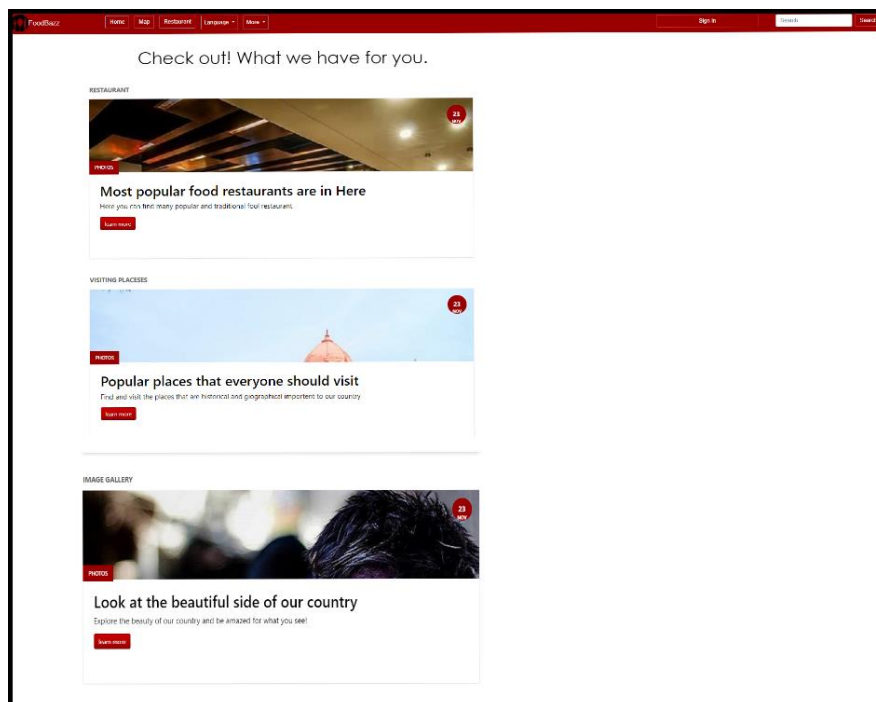
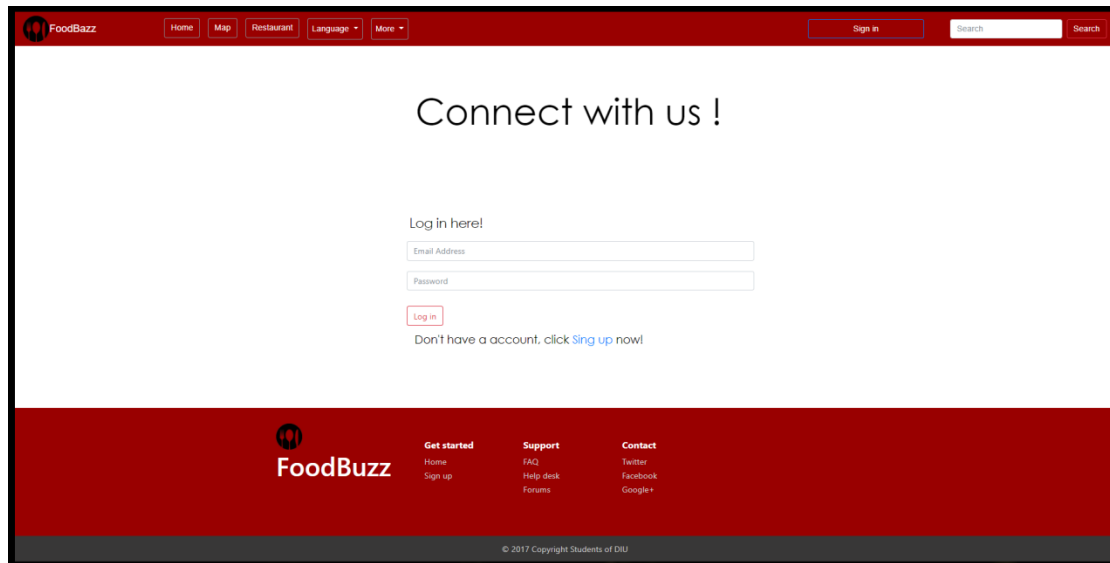


Fig 4.3: Features of website

4.1.4 Login

User can log in through the log in page

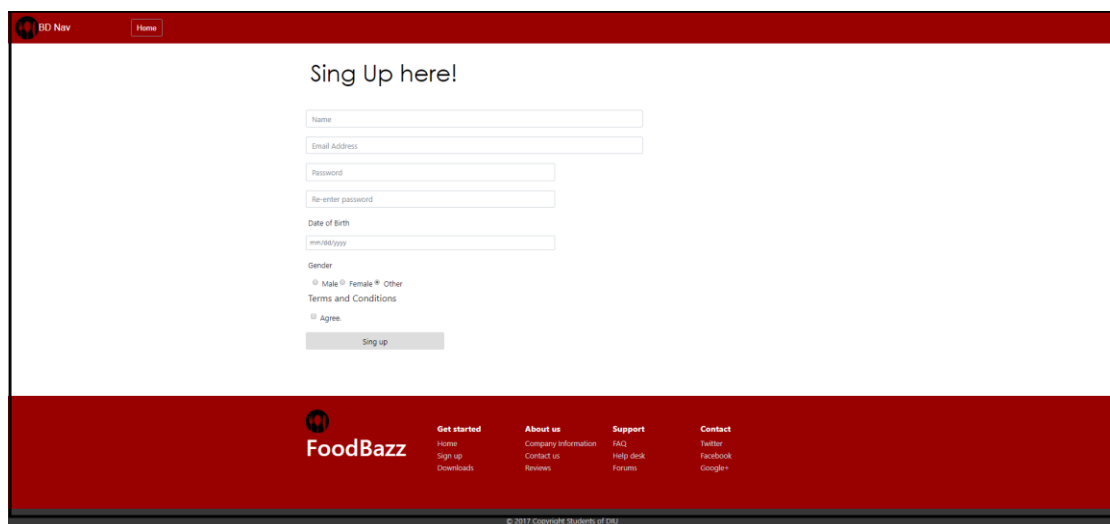


The screenshot shows the login page of the FoodBazz website. At the top, there is a navigation bar with the FoodBazz logo, links for Home, Map, Restaurant, Language, and More, a Sign in button, and a search bar. The main content area features the heading "Connect with us !" and a "Log in here!" section. This section contains input fields for "Email Address" and "Password", a "Log in" button, and a link for "Don't have an account, click [sing up](#) now!". The footer includes the FoodBazz logo, a "Get started" section with links for Home and Sign up, a "Support" section with links for FAQ, Help desk, and Forums, and a "Contact" section with links for Twitter, Facebook, and Google+. A copyright notice "© 2017 Copyright Students of DIU" is located at the bottom center.

Fig 4.4: Login

4.1.5 Registration

Users have to registration first to use the website



The screenshot shows the registration page of the FoodBazz website. At the top, there is a navigation bar with the FoodBazz logo, a Home button, and a search bar. The main content area features the heading "Sing Up here!". The registration form includes input fields for "Name", "Email Address", "Password", "Re-enter password", and "Date of Birth". Below these fields, there are radio buttons for "Gender" (Male, Female, Other) and a checkbox for "Agree" to the "Terms and Conditions". A "Sing up" button is located at the bottom of the form. The footer includes the FoodBazz logo, a "Get started" section with links for Home, Sign up, and Downloads, an "About us" section with links for Company information, Contact us, and Reviews, a "Support" section with links for FAQ, Help desk, and Forums, and a "Contact" section with links for Twitter, Facebook, and Google+. A copyright notice "© 2017 Copyright Students of DIU" is located at the bottom center.

Fig 4.5: Registration Form

4.1.6 Restaurant List

Here we can see a restaurant in the restaurant list

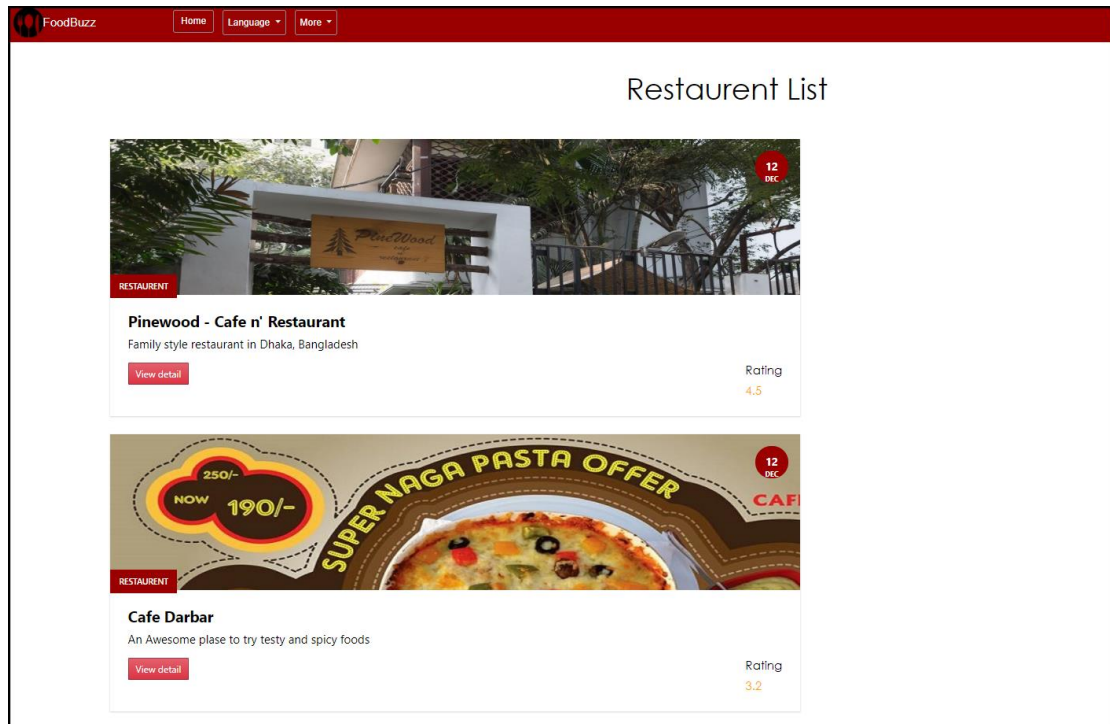


Fig 4.6: Restaurant List

4.1.7 Offer List

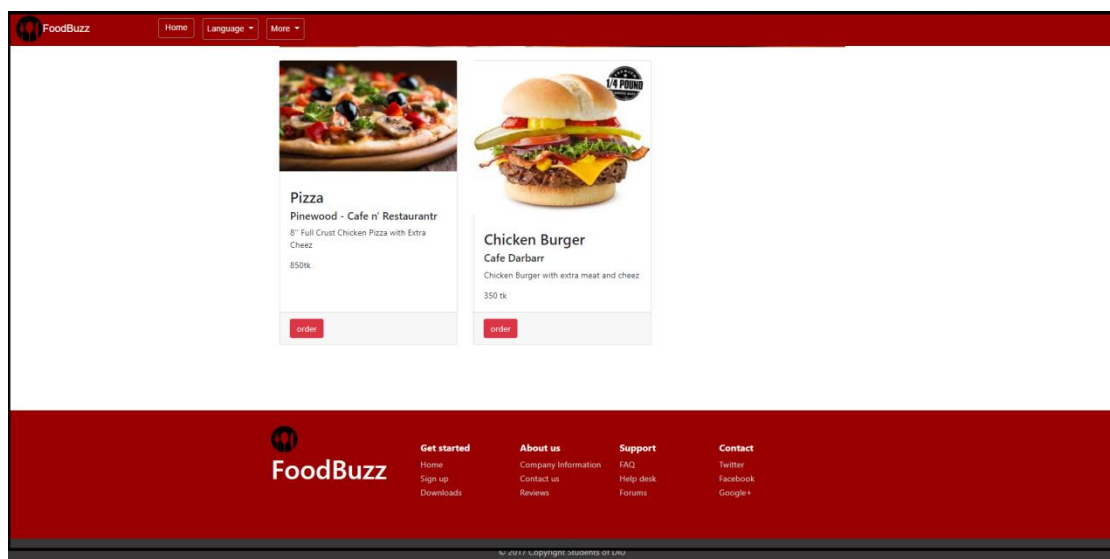


Fig 4.7: Offer List

4.1.8 Admin Login

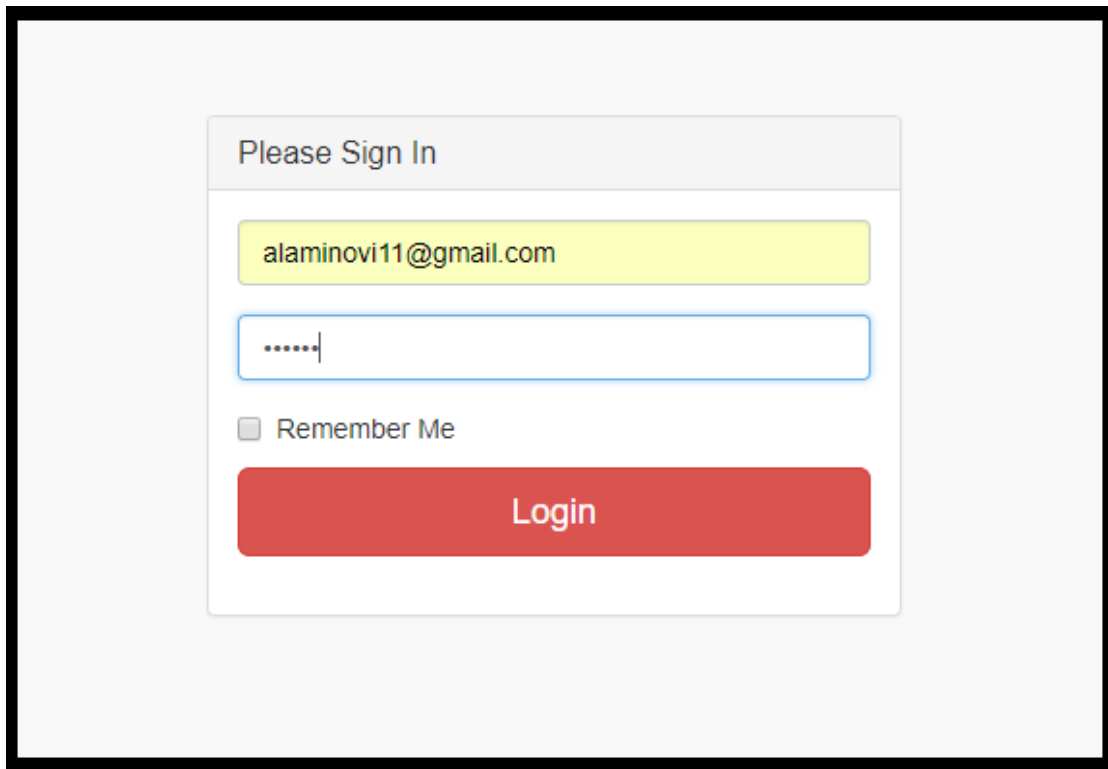


Fig 4.8: Admin Login

4.1.9 Admin Panel

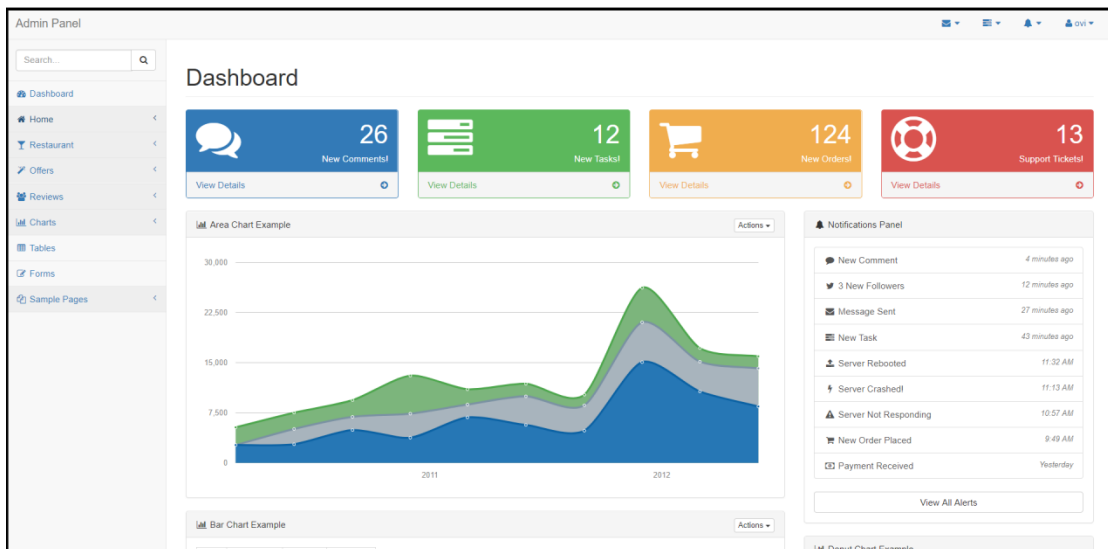


Fig 4.9: Admin Panel

4.2 Back-end

The logical part happens in the back-end of a website. It is the most important and critical part of a website. The whole systems functionality depends on it. Usually back-ends refers server site. In back-end there are many issues to tackle such as the scripting language or the server site language, database management system, security, authentication, authorization, data passing, data validation, data backup etc. We developed “Restaurant review and offer system” using Laravel which is a PHP framework containing all the aspects that is discussed above and also MySQL provides us the logical things and hosting [3].

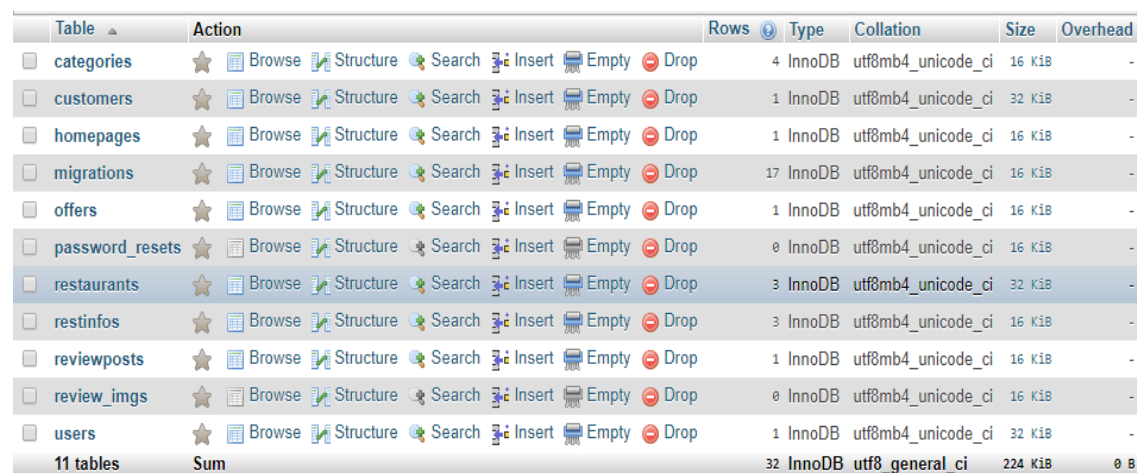
A screenshot of the Phpmysqladmin interface showing a list of database tables. The table has columns for 'Table', 'Action', 'Rows', 'Type', 'Collation', 'Size', and 'Overhead'. The 'Table' column lists various tables like 'categories', 'customers', 'homepages', 'migrations', 'offers', 'password_resets', 'restaurants', 'restinfos', 'reviewposts', 'review_imgs', and 'users'. The 'Rows' column shows the number of rows in each table, ranging from 0 to 17. The 'Type' column shows 'InnoDB' for all tables. The 'Collation' column shows 'utf8mb4_unicode_ci' for most tables and 'utf8_general_ci' for the 'Sum' row. The 'Size' column shows the size of each table in KiB, ranging from 16 to 32. The 'Overhead' column shows '0 B' for all tables.

Table	Action	Rows	Type	Collation	Size	Overhead
categories	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	16 KiB	-
customers	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32 KiB	-
homepages	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	16 KiB	-
migrations	Browse Structure Search Insert Empty Drop	17	InnoDB	utf8mb4_unicode_ci	16 KiB	-
offers	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	16 KiB	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 KiB	-
restaurants	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	32 KiB	-
restinfos	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 KiB	-
reviewposts	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	16 KiB	-
review_imgs	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 KiB	-
users	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32 KiB	-
11 tables	Sum	32	InnoDB	utf8_general_ci	224 KiB	0 B

Fig 4.10: Database tables in Phpmysqladmin

4.3 Interaction Design and UX

We designed our website using the bootstrap 4 framework, jQuery and font awesome [1]. These component two help us to design a responsive and better visual experience with user friendly environment. The user experience is getting better due to the process of enhancing user satisfaction with the website and pleasure provided in the interaction with the website. The designs focus on creating engaging web interaction with logical and thought out behaviors and action. We design it with keep in mind that, successful interactive design uses technology and principles of good communication to create desired user experiences.

4.4 Implementation of Requirements

- The UI design had to integrate in the Laravel which is a PHP frame work [3].
- Database should be in MySQL.
- Hosting a platform should be in Linux based sever.
- Schedule wise backup from server.
- Unauthorized attach needed to prevent with maximum attach limits.
- Invalid data input should display error message.
- For specific design jQuery needed to be implemented.
- In front end design bootstrap, jQuery are needed [1].

CHAPTER 5

IMPLIMENTATION AND TESTING

5.1 Implementation of Database

Because of php we made different type of table which describe about the content's attribute and the data type. In this process SQL query needed to preform actions. In the model the data can check whether user has the permission to input the data directly in the database. There are 12 tables in the database.

Admin: Admin details.

Admin_panel: Admin manage table.

Visitor: Visitor's whole information saved.

Restaurant_owner: Restaurant owner's whole information saved.

Restaurant_owner_panel: Restaurant owner's restaurant's food offer managing table.

Restaurant_list: Restaurant list manage table.

Restaurant_detail: Restaurant detail manage table.

Offer_list: Offer list manage table.

Offer_detail: Offer detail manage table.

Order: Order manage table

Review: Review manage table

Review_post: Review posting manage table

5.2 Implementation of Front-End Design

It's very difficult and challenging to create a simple UI design for the users, we try to make as simple as possible. Nowadays, there are many devices like smart phones, tablets, desktop, etc. We have made our website to responsive to many devices like these, so that the users can visit our website with different devices. We made our website's interface with the help of HTML, CSS, Java Script, JQuery and Bootstrap framework technology [1]. There are some factors of implementing the front-end design is given below.

- There are three types of user Admin, Visitor, Restaurant owner.
- Every type of user must be registered by filling up the required information field.
- User can login using registered email and password
- User can reset and by filling up the form of forget password.
- For updating user profile, user must enter the password for the security.

5.3 Implementation of Interaction

In order to make our web application system (FoodBuzz) interactive we make the UI responsive and use buttons, icons, text, headlines many more. The system design of our web is user friendly. Both visitors and restaurant owns will able to use the features as loge as they are logged in.

5.4 Testing Implementation

Testing implementation is process of testing upcoming implementation of a system, where tester or system architect will see cases and specification, is it implemented or have limitations.

TABLE 5.1: TEST CASE EVALUATION

Test Case	Test Inputs	Expected Outcome	Obtained Outcome	Pass/Fail	Tested On
1. Login	Login via Various devices	Successfully login	Successfully login	pass	29-04-2018
2.Registration	Username password	Show restriction to Fill all the fields	Fields must be filled by data	Pass	29-04-2018
3. Password	Incorrect Password or empty filed	Warn the incorrect Password or field is empty	Show warring	Pass	29-04-2018
4.Profile settings	View profile Update profile	Show update profile information	Show and update information successfully	Pass	29-04-2018
5.Create Restaurant list	Input Restaurant information	Restaurant List post has been created.	Restaurant post created successfully	Pass	29-04-2018
6.Offer	Input Offer information	Offer post has been created	Offer post created successfully	Pass	29-04-2018
7.Order	In Order information	Order has been confirmed	Order confirmed successfully	Pass	29-04-2018
8.Review	In Review Information	Review has been posted	post successfully	Pass	29-04-2018

5.5 Test Results and Report

Test report is wanted to reflect testing results in a formal way, which gives a scope to estimate testing results speedily. It is a paper that records data obtained from an evaluation experiment in an organized manner, describes the environmental or operating conditions, and shows the compare of test results with test objectives. Test report is very important and it is needed to know that the system is ready/ not ready for implementation? It is a document that records data obtained from an evaluation experiment. We need to run through many types of testing.

There are many types of testing:

- Functionality
- Regression
- Security
- Performance
- Scalability
- Usability
- System interoperability
- Localization
- Disaster recovery
- Installation/ upgrade

If the system passes through all these types of testing it is finally ready to launch so at the End we can carry out the results as the benefits of usability testing.

- Good Quality of Website.
- System is easier to use.
- Website is more readily accepted by users.
- Easy to use for the new users.
- Better UI for interaction.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion:

The system will build up communication between Visitors and restaurants. This Offer section helps both the users and restaurants owner finding the correct place to eat and owners get benefited from this. It will save time and reduce complexity. The system will be come with more upgrades and new feature in future. It will be upgraded with its web interface layout.

6.2 Scope for Further Development

- Send notifications for both visitors and restaurant owners.
- System features will upgrade day by day for better experience
- New feature will be added based on user feedback
- System will implemented by new UI if needed
- Map location we be more advance.
- Artificial Intelligence enhancement will be implemented to make the system fast and more durable.
- Security will be more updated.
- Both Android base and IOS base platform will be included.

REFERENCES

- [1] Material Resource for Designing, available at [online] << <https://getbootstrap.com/>>>, last accessed 01.04.2018
- [2] Documentation and instruction, available at [online]<< <https://www.w3schools.com/>>>, last accessed 01.04.2018
- [3] Material Resource and Documentation for back-end, available at [online]<< <https://laravel.com/>>>, last accessed 01.04.2018
- [4] Foodpanda.com.bd, available at [online]<<<https://www.foodpanda.com.bd/>>>, last accessed 01.04.2018
- [5] Foodiez.com.bd , available at [online]<<<http://www.foodiez.com.bd/>>>, last accessed 01.04.2018
- [6] Online food ordering, internet<<https://en.wikipedia.org/wiki/Online_food_ordering>> last accessed 01.04.2018
- [7] Marlon Dumas, Fundamentals of Business Process Management, Springer Heidelberg New York Dordrecht London, Vol.2.0, 15, September 2013

APPENDIX

PROJECT REFLECTION:

From Summer-2017 semester we had started our journey to make a system, where users can find their desire foods and restaurants owner can promote their restaurants and it will save valuable times as well. We followed the model to implement and monitor our system, with the all hard work and spending a lot of time finally we were able to reach our goal at last. So we believe that our “FoodBuzz food review online System” will be a positive and effective thing for both the users and restaurant owner the students. And we will be continuously upgrading our system as early as possible.

PLAGIARISM REPORT

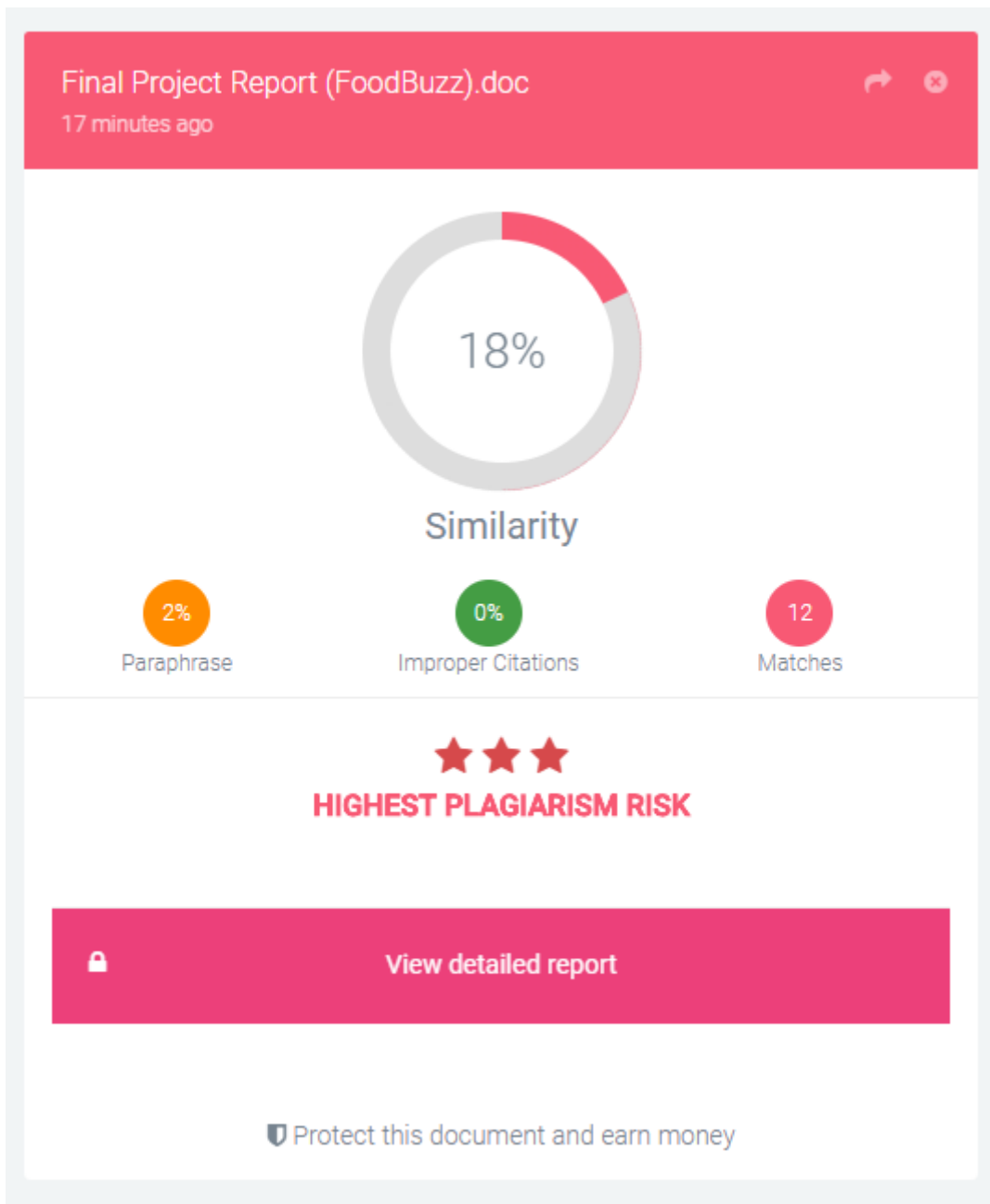


Fig 8.1: Plagiarism Report