

## **FOODBOOK: AN ONLINE RECIPE BOOK**

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

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**DAFFODIL INTERNATIONAL UNIVERSITY**

**DHAKA, BANGLADESH**

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## **APPROVAL**

This Project titled "**Foodbook: An Online Recipe Book**" submitted by Md. Toufiqul Hasan, ID No: 142-15-3493 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 B. Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 4 May 2019.

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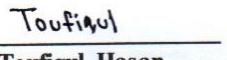
I hereby declare that, this project has been done by me under the supervision of **Samia Nawshin**, **Lecturer, Department of Computer Science and Engineering**, Daffodil International University. I am also declaring that neither this project nor any part of this project has been submitted *elsewhere for award of any degree or diploma.*

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I am really grateful and owe my profound indebtedness to **Samia Nawshin, Lecturer**, Department of CSE, Daffodil International University, Dhaka. Deep Knowledge & keen interest of my supervisor in the field of “*web application*” influenced me to carry out this project. Her endless patience, scholarly, guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior drafts and correcting them at all stage have made it possible to complete this project.

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I would like to thank my entire course mate in Daffodil International University, who took part in discussion while completing the course work.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

## **ABSTRACT**

This project title is ‘**FOODBOOK: AN ONLINE RECIPE BOOK**’ that has a web portal that will have the facility to share recipe. The purpose of the project is to allow the user to share their own recipe through this website easily. The website visitor can find many types of recipes easily through this website. The website will have many categories of the recipes like beef, chicken, desert, fish, kabab, noodle, pickle, salad etc. I’m planning to build up a website so that user can share their own recipe easily. The registered user will be able to share any kind of recipes and anyone can visit the site. After execution everything being equal, the framework is tried in various stages and it works effectively as a model.

## TABLE OF CONTENTS

<b>CONTENTS</b>	<b>PAGE</b>
Board of examiners	i
Declaration	ii
Acknowledgement	iii
Abstract	iv
 <b>CHAPTER</b>	
<b>CHAPTER 1: INTRODUCTION</b> <span style="float: right;"><b>1-3</b></span>	
1.1 Introduction	1
1.2 Motivation	1
1.3 Objectives	1-2
1.4 Expected outcome	2
1.5 Report layout	2-3
<b>CHAPTER 2: BACKGROUND</b> <span style="float: right;"><b>4-5</b></span>	
2.1 Introduction	4
2.2 Related Works	4
2.3 Comparative Studies	4
2.4 Scope of Problem	4
2.5 Challenges	5
<b>CHAPTER 3: REQUIREMENT SPECIFICATION</b> <span style="float: right;"><b>6-15</b></span>	
3.1 Business Process Modeling	6
3.2 General System Requirement	7
3.3 Use Case Model	8
3.4 Use case Description	9-13
3.5 Logical Data Model	14
3.5.1 E-R Diagram	14
3.6 Design Requirement	15

<b>CHAPTER 4: DESIGN SPECIFICATION</b>	<b>16-20</b>
4.1 Front-end Design	16-18
4.1.1 Home Page	16
4.1.2 Registration Page	17
4.1.3 Login Page	17
4.1.4 Admin Login Page	18
4.1.5 Admin Panel	18
4.2 Back-end	19
4.3 Interaction Design and UX	19
4.4 Implementation of Requirements	20
<b>CHAPTER 5: IMPLEMENTATION AND TESTING</b>	<b>21-23</b>
5.1 Implementation of Database	21
5.2 Implementation of Front-End Design	21
5.3 Implementation of Interaction	22
5.4 Testing Implementation	22
5.5 Test Results and Report	23
<b>CHAPTER 6: CONCLUSION AND FUTURE SCOPE</b>	<b>24</b>
6.1 Discussion and Conclusion	24
6.2 Scope for Further Development	24
<b>APPENDIX</b>	<b>25</b>
<b>REFERENCE</b>	<b>26</b>
<b>PLAGIARISM REPORT</b>	<b>27</b>

## **LIST OF FIGURES**

<b>FIGURES</b>	<b>PAGE</b>
Figure 3.1: Business Process Modeling of the System	6
Figure 3.2: Use Case Model of the System	8
Figure 3.3: E-R Diagram of the System	14
Figure 4.1: Home Page	16
Figure 4.2: Registration Page	17
Figure 4.3: Login Page	17
Figure 4.4: Admin Login Page	18
Figure 4.5: Admin Panel	18
Figure 4.6: Database tables in phpMyAdmin	19
Figure 4.7: UX Design of Interaction Design	19

## **LIST OF TABLES**

<b>TABLE</b>	<b>PAGE</b>
TABLE 3.1 USE CASE DESCRIPTION OF REGISTER	9
TABLE 3.2 USE CASE DESCRIPTION OF LOGIN	9
TABLE 3.3 USE CASE DESCRIPTION OF LOGOUT	10
TABLE 3.4 USE CASE DESCRIPTION OF ADD/REMOVE RECIPE	10
TABLE 3.5 USE CASE DESCRIPTION OF EDIT PROFILE	10
TABLE 3.6 USE CASE DESCRIPTION OF ADD/REMOVE FAVORITE	11
TABLE 3.7 USE CASE DESCRIPTION OF DELETE PROFILE	11
TABLE 3.8 USE CASE DESCRIPTION OF CHANGE SETTINGS	11
TABLE 3.9 USE CASE DESCRIPTION OF CONTROL USER	12
TABLE 3.10 USE CASE DESCRIPTION OF APPROVE RECIPE	12
TABLE 3.11 USE CASE DESCRIPTION OF ADD/REMOVE SLIDERS	12
TABLE 3.12 USE CASE DESCRIPTION OF ADD/REMOVE TIPS & TRICKS	13
TABLE 3.13 USE CASE DESCRIPTION OF ADD/REMOVE CATEGORIES	13
TABLE 3.14 USE CASE DESCRIPTION OF MAINTAIN NEWSLETTERS	13
TABLE 5.1: TEST CASE EVALUATION	22

# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 Introduction**

Food is one of the basic needs of all aged people. Always people want to eat the tasteful food items in all over the world. People want to learn the perfect recipes for delicious food. The system helps those people who want to learn the delicious and tasty food recipes. The website made scope for visitors to find what they want to learn. The visitor can see the recipes and give their comments, so that the learning method become easy to them.

People all over the world can visit the website. But they have to register first so they can fully access the website. I created an authentication system where there type of users can register and use the website. They are Admin, Registered User and Visitor. The authentication system consists of admin panel to maintain the whole website.

### **1.2 Motivation**

Everybody loves food. Somebody wants to learn how to make food. There are many recipe learning websites in the internet. Most of them are fully controlled by site admin. That's mean anyone cannot share their own recipe. So, most of the website became inactive and cannot update recipe every day. This thing motivates me to build a website where people all over the world can share their own recipe so that anyone who visit the website can learn the recipe. Visitor can also share the recipe in their social media's timeline. Visitor can also share their experience or FAQ in comment section so that the learning method become easy to them.

### **1.3 Objectives**

- Users can operate the website via computer/smartphones/tabs with the help of internet.
- Users can add information in the registration form.
- After adding information, visitors' profile automatically created.
- Develop a login facility to access and easily retrieve information.
- Provide an easier way to search many categories of recipes.

- Registered user can share any kind of recipes.
- Admin can maintain the whole website using the admin panel.
- Create a secured database which will hold all the information required for the system to run.

## **1.4 Expected Outcome**

This project is to develop a tool that will help people to find their expected recipes. In this system user can add/remove recipes, search recipes and tips & tricks. In this system only registered users can access their profile. Admin can delete their profiles for security and terms and condition proposes if any violation happens. Normal visitor can only see the recipes. This system can be assessed all over the world. Admin can control the whole website using the admin panel.

## **1.5 Report Layout**

### **Chapter 1: Introduction**

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

### **Chapter 2: Background**

I discuss about the background circumstances of my project. I 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 I 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**

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

## **CHAPTER 2**

### **BACKGROUND**

#### **2.1 Introduction**

“Foodbook” is very informative web-based application. The system features the necessary information about recipes and tips & tricks. Anyone who have an internet connected device can access the system. This project will help people to learn easily.

#### **2.2 Related Work**

There are many recipes sharing website in the internet. But most of them are fully controlled by the site admin so that none can share their own recipe. But in “Foodbook” people all over the world can share their own recipe. Registered user can fully access the website. Normal visitor can only see the recipe, tips & tricks page.

#### **2.3 Comparative Studies**

“Foodbook” is a web-based application for sharing any kind of recipes. There are many different web-based applications for sharing recipes. Using this application people can share their recipe very easily. But before sharing the recipe must register under website. Without registration people only visit the website but not to allow to share recipe. The website has an admin. The admin can control whole website using admin panel. Here is the comparison with another web-based recipe sharing website.

#### **2.4 Scope of Problem**

- It is hard to make a system that can be access by people all over world who want to share recipe.
- Maintaining the website’s minimum standard.
- Control the registered user.
- Maintaining up-to-date information about recipe.
- It is an open platform so many users may not interest to register their information.

## **2.5 Challenges**

- Configuring and integrating the CodeIgniter framework [1] with template.
- Connecting the Database.
- Making the security most secure.
- Effective features and beautiful design.
- Dynamic data passing channel creating.

# CHAPTER 3

## REQUIREMENT SPECIFICATION

### 3.1 Business Process Modeling

Business process modeling (BPM) can be derived directly from events logs using process mining tools. The business model objective is often to increase process speed or reduce cycle time. This stage is carried out to find out what type of features will be there in the proposed system. It helps to identify and gather user requirements properly through the analysis process.

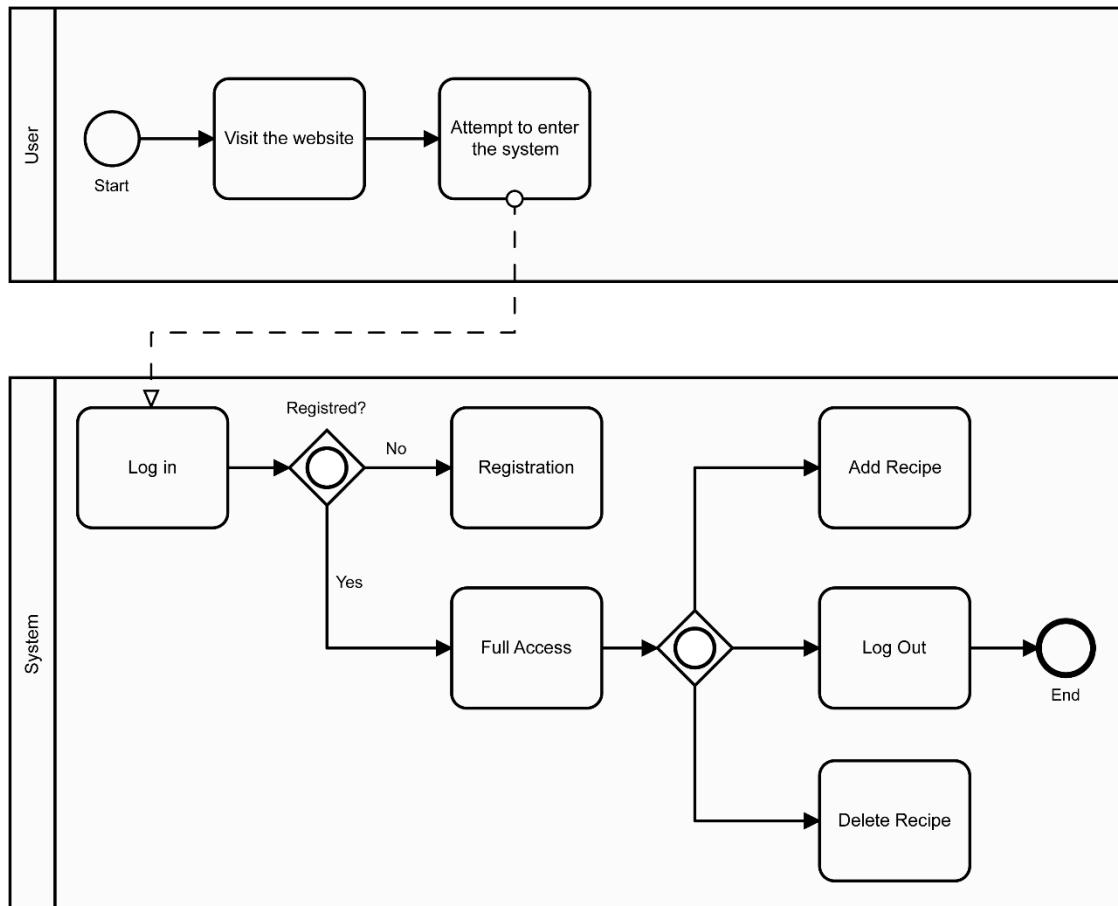


Figure 3.1: Business Process Modeling of the System

## **3.2 General System Requirement**

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

- Hardware
  - Computer or Laptop
  - Server
- Software
  - Windows Operating System
  - PhpStorm
  - WampServer
  - Atom
  - Browser
- Programming Language and Framework
  - HTML
  - CSS
  - JavaScript
  - MySQL
  - PHP
  - Bootstrap
  - CodeIgniter

### 3.3 Use Case Model

The following use case model diagram shows that how people are going to use this system and also give an idea about the relation between them. Here the people are Admin and Registered User and their relationship with the system.

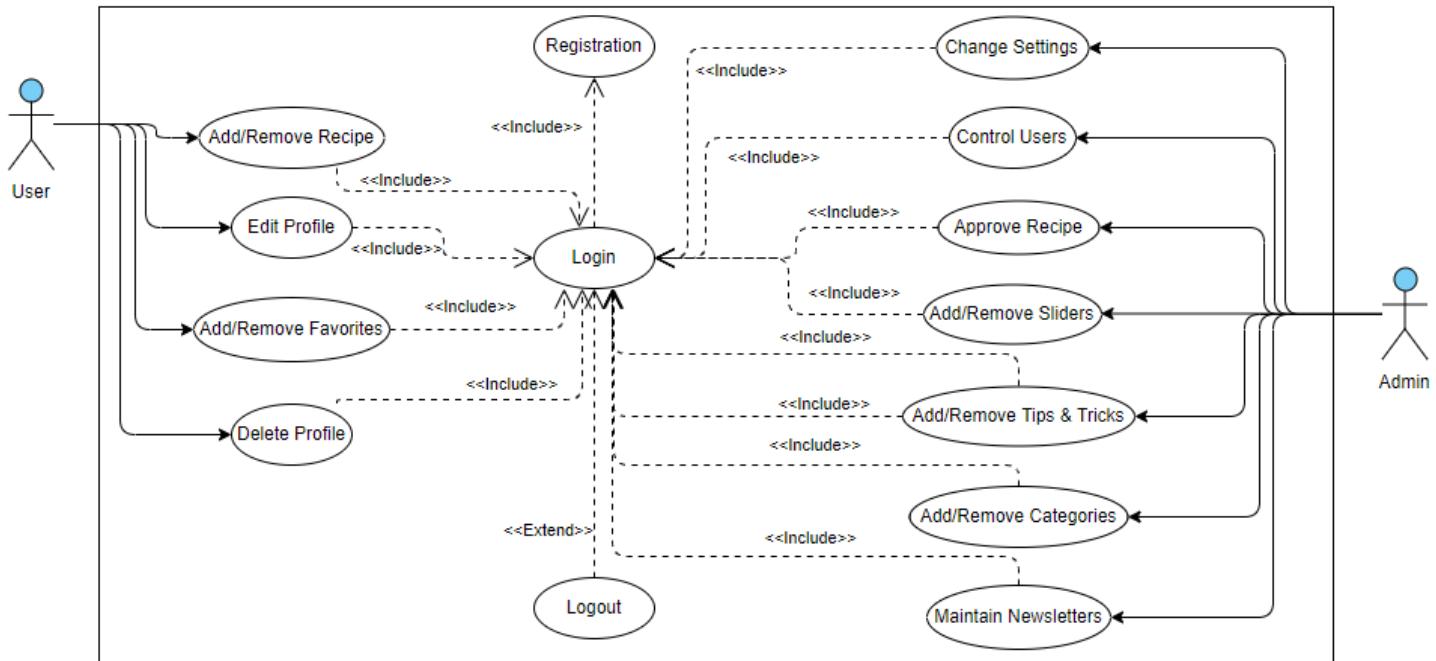


Figure 3.2: Use Case Model of the System

### **3.4 Use Case Description**

The description of the use case model of 3.3 (Figure 3.2) is given below. Every attribute will be discussed with a table containing “Primary Actor”, “Secondary Actor”, “Pre-condition”, “Scenario” and “Post-condition”. So that it could be understandable easily.

TABLE 3.1 USE CASE DESCRIPTION OF REGISTER

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

TABLE 3.2 USE CASE DESCRIPTION OF LOGIN

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

TABLE 3.3 USE CASE DESCRIPTION OF LOGOUT

<b>Use case</b>	<b>Logout</b>
Primary Actor	Admin, Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can logout</li> </ul>
Post-condition	Register successfully or failed

TABLE 3.4 USE CASE DESCRIPTION OF ADD/REMOVE RECIPE

<b>Use case</b>	<b>Add/Remove Recipe</b>
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Add Recipe</li> <li>• Remove Recipe</li> </ul>
Post-condition	Add/Remove recipe successfully or failed

TABLE 3.5 USE CASE DESCRIPTION OF EDIT PROFILE

<b>Use case</b>	<b>Edit Profile</b>
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can edit profile</li> </ul>
Post-condition	Edit Profile successfully or failed

TABLE 3.6 USE CASE DESCRIPTION OF ADD/REMOVE FAVORITE

<b>Use case</b>	<b>Add/Remove Favorite</b>
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Add Favorite</li> <li>• Remove Favorite</li> </ul>
Post-condition	Add/Remove Favorite successfully or failed

TABLE 3.7 USE CASE DESCRIPTION OF DELETE PROFILE

<b>Use case</b>	<b>Delete Profile</b>
Primary Actor	Users
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can delete profile</li> </ul>
Post-condition	Delete Profile successfully or failed

TABLE 3.8 USE CASE DESCRIPTION OF CHANGE SETTINGS

<b>Use case</b>	<b>Change Settings</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can change settings</li> </ul>
Post-condition	Change Settings successfully or failed

TABLE 3.9 USE CASE DESCRIPTION OF CONTROL USER

<b>Use case</b>	<b>Control User</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can control user</li> </ul>
Post-condition	Control User successfully or failed

TABLE 3.10 USE CASE DESCRIPTION OF APPROVE RECIPE

<b>Use case</b>	<b>Approve Recipe</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can approve recipe</li> </ul>
Post-condition	Approve Recipe successfully or failed

TABLE 3.11 USE CASE DESCRIPTION OF ADD/REMOVE SLIDERS

<b>Use case</b>	<b>Add/Remove Sliders</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can add sliders</li> <li>• Can remove sliders</li> </ul>
Post-condition	Add/Remove Sliders successfully or failed

TABLE 3.12 USE CASE DESCRIPTION OF ADD/REMOVE TIPS & TRICKS

<b>Use case</b>	<b>Add/Remove Tips &amp; Tricks</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can add tips &amp; tricks</li> <li>• Can remove tips &amp; tricks</li> </ul>
Post-condition	Add/Remove Tips & Tricks successfully or failed

TABLE 3.13 USE CASE DESCRIPTION OF ADD/REMOVE CATEGORIES

<b>Use case</b>	<b>Add/Remove Categories</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can add categories</li> <li>• Can remove categories</li> </ul>
Post-condition	Add/Remove Categories successfully or failed

TABLE 3.14 USE CASE DESCRIPTION OF MAINTAIN NEWSLETTERS

<b>Use case</b>	<b>Maintain Newsletters</b>
Primary Actor	Admin
Secondary Actor	Null
Pre-condition	Registered and logged in
Scenario	<ul style="list-style-type: none"> <li>• Can maintain newsletters</li> </ul>
Post-condition	Maintain Newsletters successfully or failed

## 3.5 Logical Data Model

### 3.5.1 E-R Diagram

The Entity-Relationship Diagram represents the logical data model. The logical data model represents the data processing. It used for data analysis and processing easily.

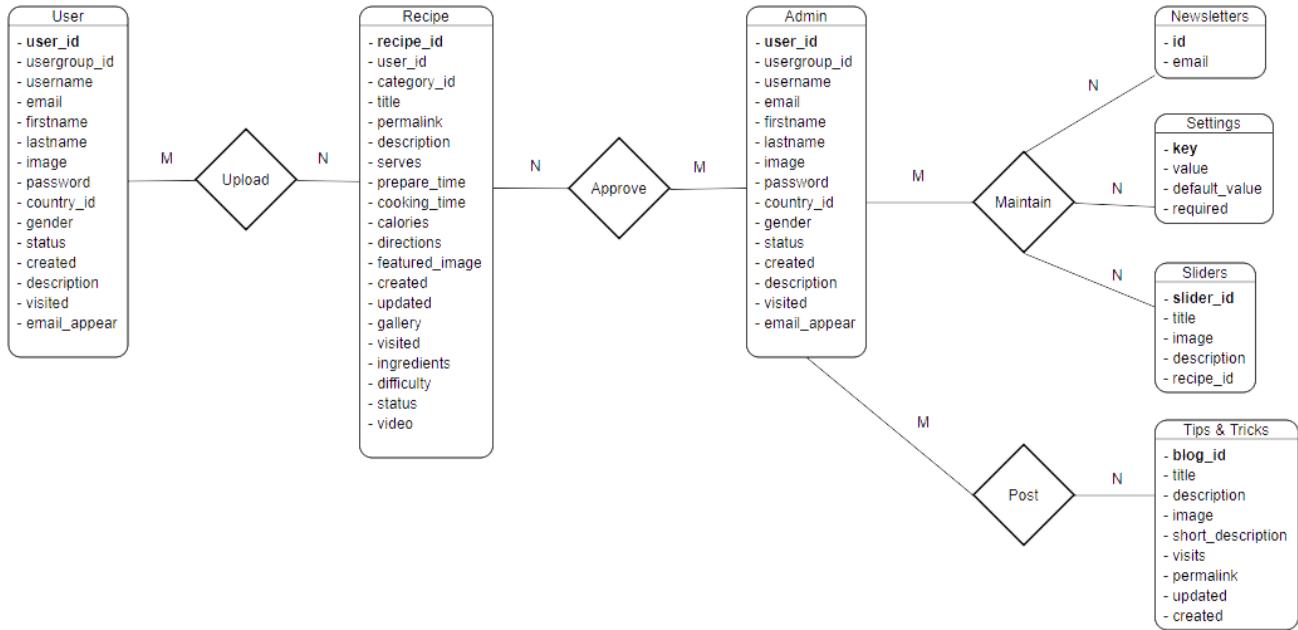


Figure 3.3: E-R Diagram of the System

### **3.6 Design Requirement**

- This system will have three type of user such as admin, registered user and visitor.
- Visitors can only visit the website.
- To use the full system, need to register first.
- Registered user can add or remove recipe.
- Registered user can edit their profile.
- Registered user can add or remove favorites.
- Registered user can also delete their profile too.
- Admin can change settings.
- Admin can control the user.
- Admin can approve recipe.
- Admin can add or remove sliders.
- Admin can add or remove tips & tricks.
- Admin can add or remove categories.
- Admin can maintain newsletters.
- Everyone can logout their account.

# CHAPTER 4

## DESIGN SPECIFICATION

### 4.1 Front-end Design

Front-end design is the main attraction of any website. It should be user-friendly. This website has a beautiful front-end design. This website is also user-friendly.

#### 4.1.1 Home Page

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

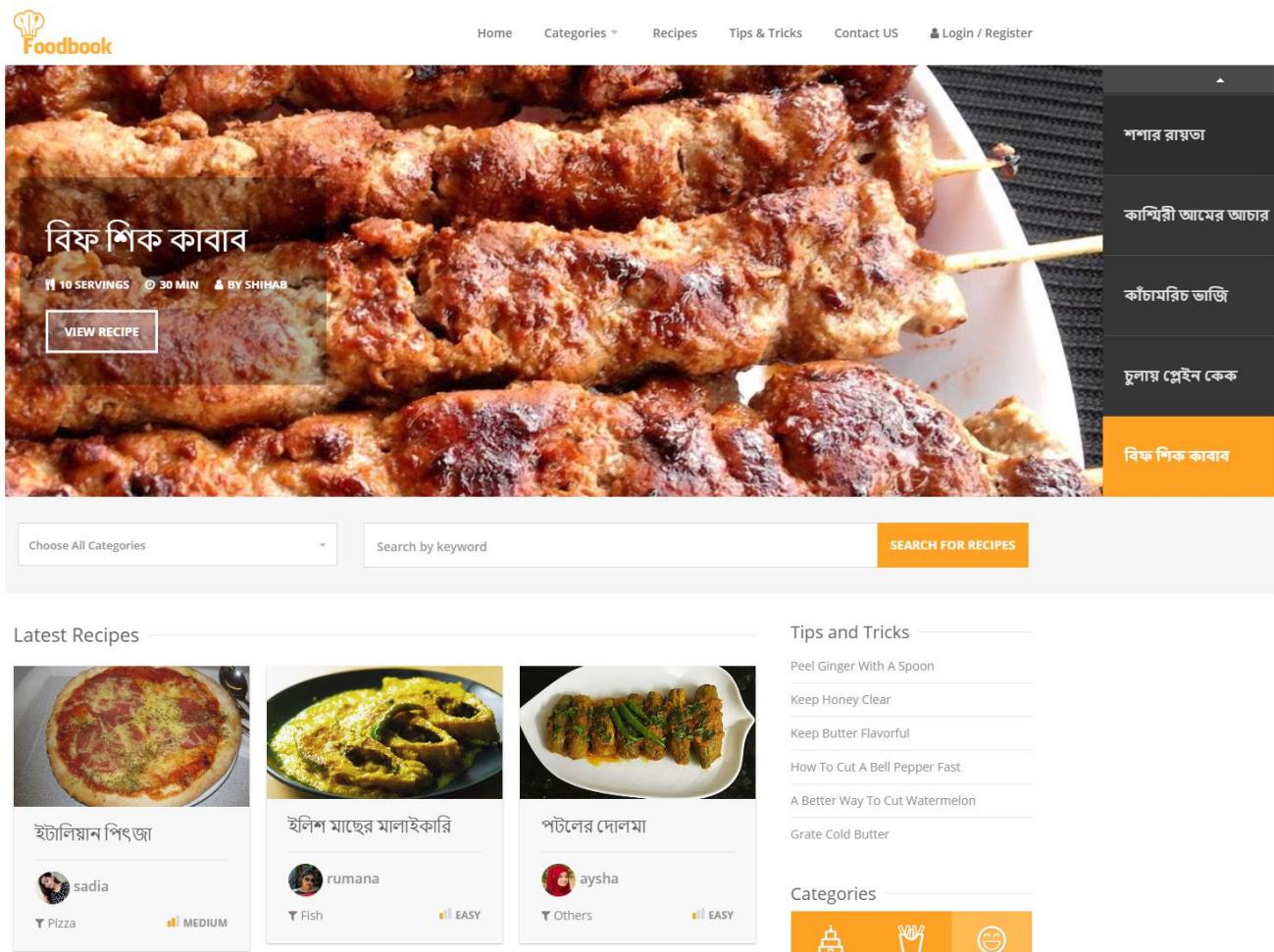
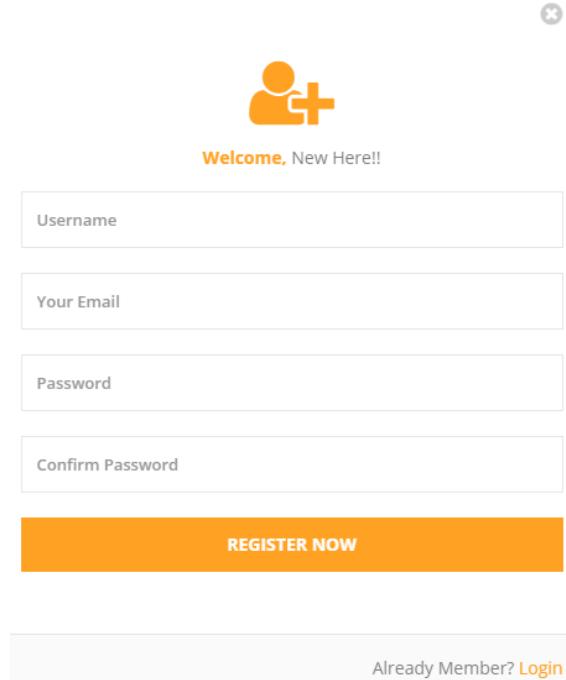


Figure 4.1: Home Page

#### 4.1.2 Registration Page

Here is the picture of registration page. It includes username, email, password, confirm password.



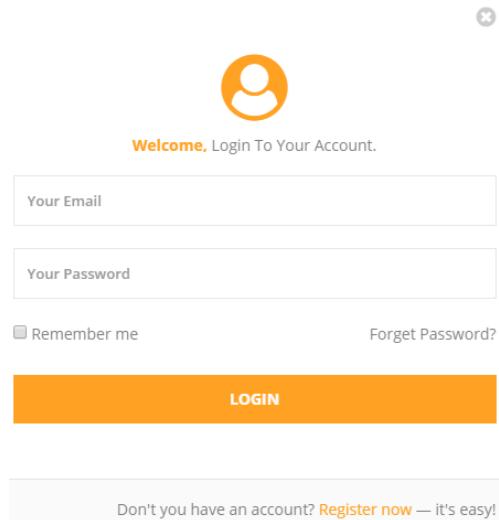
The screenshot shows a registration form with the following elements:

- A yellow user icon with a plus sign.
- The text "Welcome, New Here!"
- Four input fields labeled "Username", "Your Email", "Password", and "Confirm Password".
- A large orange "REGISTER NOW" button.
- A link "Already Member? [Login](#)" at the bottom.

Figure 4.2: Registration Page

#### 4.1.3 Login Page

Here is the picture of login page. It includes email and password.



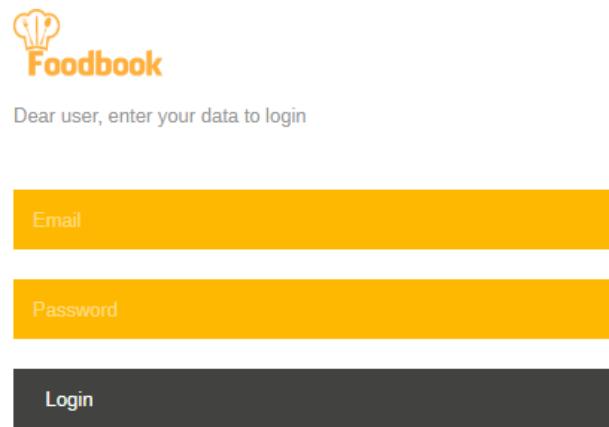
The screenshot shows a login form with the following elements:

- A yellow user icon.
- The text "Welcome, Login To Your Account."
- Two input fields labeled "Your Email" and "Your Password".
- Checkboxes for "Remember me" and "Forget Password?".
- A large orange "LOGIN" button.
- A link "Don't you have an account? [Register now](#) — it's easy!" at the bottom.

Figure 4.3: Login Page

#### 4.1.4 Admin Login Page

Here is the picture of admin login page. It includes email and password.

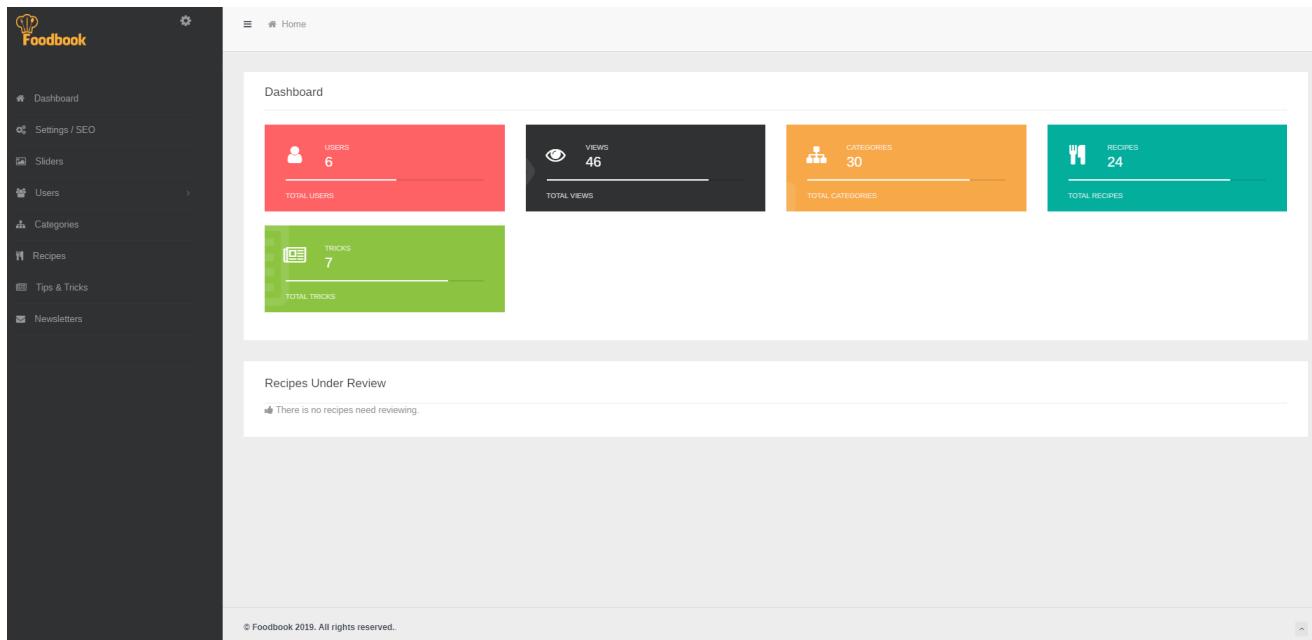


The image shows the admin login page for a website named 'Foodbook'. At the top is the 'Foodbook' logo, which consists of a yellow crown icon above the word 'Foodbook' in a bold, black, sans-serif font. Below the logo is a message: 'Dear user, enter your data to login'. There are two input fields: one for 'Email' and one for 'Password', both with a light gray background and black text. Below these fields is a dark gray button labeled 'Login' in white text.

Figure 4.4: Admin Login Page

#### 4.1.5 Admin Panel

Here is the picture of admin panel page. From here an admin can maintain the whole site.



The image shows the admin panel for the 'Foodbook' website. On the left is a dark sidebar menu with the 'Foodbook' logo at the top. The menu items include: Dashboard, Settings / SEO, Sliders, Users, Categories, Recipes, Tips & Tricks, and Newsletters. The main content area is titled 'Dashboard' and features four colored cards: red (Users: 6, TOTAL USERS), dark gray (Views: 46, TOTAL VIEWS), orange (Categories: 30, TOTAL CATEGORIES), and teal (Recipes: 24, TOTAL RECIPES). Below the dashboard is a section titled 'Recipes Under Review' with a note: 'There is no recipes need reviewing.' At the bottom of the page is a footer with the text: '© Foodbook 2019. All rights reserved.'

Figure 4.5: 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. I developed “Foodbook” using CodeIgniter [1] which is a PHP framework containing all the aspects that is discussed above and also MySQL provides me the logical things and hosting.

Table	Action	Rows	Type	Collation	Size	Overhead
blog	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	6	InnoDB	utf8_general_ci	16 Kib	-
categories	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	30	InnoDB	utf8_general_ci	16 Kib	-
countries	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	239	MyISAM	latin1_swedish_ci	15.5 Kib	-
icons	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	64	MyISAM	utf8_general_ci	4.5 Kib	-
newsletters	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	15	MyISAM	utf8_general_ci	2.4 Kib	-
recipes	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	46	InnoDB	utf8_general_ci	112 Kib	-
settings	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	26	InnoDB	utf8_general_ci	16 Kib	-
sliders	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	5	InnoDB	utf8_general_ci	16 Kib	-
usergroups	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	2	InnoDB	utf8_general_ci	16 Kib	-
users	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	18	InnoDB	utf8_general_ci	16 Kib	-
10 tables	Sum	451	MyISAM	utf8_general_ci	230.5 Kib	0 B

Figure 4.6: Database tables in phpMyAdmin

## 4.3 Interaction Design and UX

This website was designed using Bootstrap [3], JavaScript [4], jQuery [5]. This component helps me 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. I design it with keep in mind that, successful interactive design uses technology and principles of good communication to create desired user experiences.

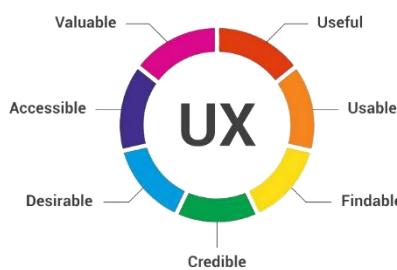


Figure 4.7: UX Design of Interaction Design [5]

## **4.4 Implementation of Requirements**

- The UI design had to integrate in the CodeIgniter [1] which is a PHP frame work.
- 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 [3], JavaScript [4], jQuery [5] are needed.

## CHAPTER 5

### IMPLEMENTATION AND TESTING

#### **5.1 Implementation of Database**

Because of php I 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 10 tables in the database.

**blog:** Tips & tricks post stored here.

**categories:** Recipes categories stored here.

**countries:** Countries all information stored here.

**icons:** Icons are stored here.

**newsletters:** Who want to receive email updates on new recipes, their email address stored here.

**recipes:** All recipes information stored here.

**settings:** All kinds of settings information stored here.

**sliders:** Sliders information stored here.

**usergroups:** User group such as normal user and admin defined here.

**users:** All registered users information stored here.

#### **5.2 Implementation of Front-End Design**

It's very difficult and challenging to create a simple UI design for the users, I try to make as simple as possible. Nowadays, there are many devices like smart phones, tablets, desktop, etc. This website is responsive to these devices, so that the users can visit this website with different devices. I made this website's interface with the help of HTML, CSS, JavaScript [4], jQuery [5] and Bootstrap [3] framework technology. There are some factors of implementing the front-end design is given below.

- There are three types of user Admin, Registered Users and Visitors.
- 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.
- User can also delete their profile.

### **5.3 Implementation of Interaction**

In order to make this web application system (Foodbook) interactive I make the UI responsive and use buttons, icons, text and many more. The system design of this web is user friendly. Both admin and registered user will able to use the features as long 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

<b>Test Case</b>	<b>Test Inputs</b>	<b>Expected Outcome</b>	<b>Obtain Outcome</b>	<b>Pass/Fail</b>	<b>Tested On</b>
1.Login	Login via various devices	Successfully login	Successfully login	Pass	01-03-2019
2.Registration	Username password	Show restriction to Fill all the fields	Fields must be filled by data	Pass	01-03-2019
3.Password	Incorrect Password or empty filed	Warn the incorrect Password or field is empty	Show warring	Pass	01-03-2019
4.Profile Settings	View profile Update profile	Show update profile information	Show and update information successfully	Pass	01-03-2019
5.Create Recipe Post	Input all information about recipe	Recipe post has been created	Recipe post created successfully	Pass	01-03-2019
6.Create tips & tricks post	Input all information about tips & tricks	Tips & tricks post has been created	Tips & tricks post created successfully	Pass	01-03-2019
7. Newsletter	Input email address in newsletter	Email should be stored in database's newsletter table	Successfully email stored in database's newsletter table	Pass	01-03-2019

## 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 or not ready for implementation. It is an archive that records information got from an assessment try. 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 I 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 help who want to learn cooking. This system will also help people to save their time and reduce complexity for learning. 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 recipe approve notifications to the author.
- System features will upgrade day by day for better experience.
- New feature will be added based on user feedback.
- System will be implemented by new UI if needed.
- 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.

## **APPENDIX**

### **PROJECT REFLECTION**

From Spring-2017 semester I had started my journey to make a system, where users can share their own recipe so that others can learn them and it will save valuable times as well. I followed the model to implement and monitor the system, with the all hard work and spending a lot of time finally I was able to reach my goal at last. So, I believe that “FOODBOOK: AN ONLINE RECIPE BOOK” will be a positive and effective thing for both the recipe author and the learner. I will be continuously upgrading the system as early as possible.

## **REFERENCES**

[1]Material Resource for Designing, available at [online]<<<https://codeigniter.com/>>>,last accessed on 01.04.2019

[2]Material Resource for Designing, available at [online]<<<https://getbootstrap.com/>>>,last accessed on 01.04.2019

[3]Material Resource for Designing, available at [online]<<<https://www.javascript.com/>>>,last accessed on 01.04.2019

[4]Material Resource for Designing, available at [online]<<<https://jquery.com/>>>,last accessed on 01.03.2019

[5]The 7 Factor that Influence User Experience, available at [online]<<<https://www.interaction-design.org/literature/article/the-7-factors-that-influence-user-experience/>>>, last accessed on 01.04.2019

# PLAGIARISM REPORT

## Foodbook: An Online Recipe Book

### ORIGINALITY REPORT



### PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	12%
2	strongqa.com Internet Source	2%
3	idevie.com Internet Source	1%
4	en.wikipedia.org Internet Source	1%
5	Submitted to CTI Education Group Student Paper	1%
6	ntl.bts.gov Internet Source	<1%