

# Foodix



## What's In My Kitchen?

By,

Urvi Ponda  
Mahek Mehta  
Shreeya Trivedi  
Vrunda Chavda  
Shilpa Vadher

Guided by,  
Darshita Pathak

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

# FOODIX

Project report submitted in partial fulfillment of the requirement for the award  
of the Diploma in Computer Engineering

By

Urvi Ponda	206020307064
Mahek Mehta	206020307045
Shreeya Trivedi	206020307029
Vrunda Chavda	206020307050
Shilpa Vadher	206020307066



A.V. Parekh Technical Institute  
Computer Engineering Department  
(NBA Accredited)

(Affiliated to Gujarat Technological University)  
Academic Year: 2022-23

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**



**A V PAREKH TECHNICAL INSTITUTE**

*TAGORE ROAD, RAJKOT*

## **CERTIFICATE**

This is to certify that the project report entitled FOODIX being submitted by Mr./Ms. Ponda Urvi Jayeshbhai with 206020307064 in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him/her under my guidance and supervision.

**(Dr. Parvez K. Faruki)**  
**Head of Department**  
**Computer Engineering Department**

**Darshita Pathak**  
**Project Guide**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**



**A V PAREKH TECHNICAL INSTITUTE**

*TAGORE ROAD, RAJKOT*

## **CERTIFICATE**

This is to certify that the project report entitled FOODIX being submitted by Mr./Ms. Mehta Mahek Kamlesh with 206020307045 in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him/her under my guidance and supervision.

**(Dr. Parvez K. Faruki)**

**Head of Department**

**Computer Engineering Department**

**Darshita Pathak**

**Project Guide**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**



**A V PAREKH TECHNICAL INSTITUTE**

*TAGORE ROAD, RAJKOT*

## **CERTIFICATE**

This is to certify that the project report entitled FOODIX being submitted by Mr./Ms. Trivedi Shreeya Chetanhbhai with 206020307029 in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him/her under my guidance and supervision.

**(Dr. Parvez K. Faruki)**  
**Head of Department**  
**Computer Engineering Department**

**Darshita Pathak**  
**Project Guide**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**



**A V PAREKH TECHNICAL INSTITUTE**

*TAGORE ROAD, RAJKOT*

## **CERTIFICATE**

This is to certify that the project report entitled FOODIX being submitted by Mr./Ms. Chavda Vrunda Nilesbhai with 206020307050 in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him/her under my guidance and supervision.

**(Dr. Parvez K. Faruki)**

**Head of Department**

**Computer Engineering Department**

**Darshita Pathak**

**Project Guide**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**



**A V PAREKH TECHNICAL INSTITUTE**

*TAGORE ROAD, RAJKOT*

## **CERTIFICATE**

This is to certify that the project report entitled FOODIX being submitted by Mr./Ms. Vadher Shilpa Maheshbhai with 206020307066 in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him/her under my guidance and supervision.

**(Dr. Parvez K. Faruki)**  
**Head of Department**  
**Computer Engineering Department**

**Darshita Pathak**  
**Project Guide**

## **ACKNOWLEDGEMENT**

Primarily We would thank God for being able to complete this project with success, Then I would like to thank our project guide Ms. Darshita Pathak, whose valuable guidance has been the ones that helped us patch this project and make it full proof success her suggestions and her instructions has served as the major contributor towards the completion of the project.

We are also thankful to our head of department Dr. Parvez K. Faruki sir for providing us a platformto enhance our development skills and thorough guidance and valuable support at each stage.

Then We would like to thank our parents and friends who have helped us with their valuable suggestions and guidance that has been helped in various phases of the completion of the project. Last but not least I would like to thank my classmates who have helped us a lot.

# ABSTRACT

*There are a number of applications in Android store for Recipes Search but none of them support interface for creating, searching, saving, and sharing recipes all at once. Foodix is an Android application with image-based UI for searching, sharing, creating and saving recipes. This app provides flexibility to user to search variety of recipes from available recipes in the forum. Also, this is very handy application, which every user can search for recipes, save recipe as favorite, share recipe with friends on social media Facebook. This app is time saver providing recipes in few clicks. Through title search, Foodix app makes finding recipes easy. With recipes being added daily there will always be something new for user to crave. The project has been implemented using Android Studio, PHP, and MySQL.*

## Tools & Technology:

Android Application, MYSQL (Database), PHP, Python.

## ***Index***

<b>Title</b>	<b>PageNO.</b>
<b>1.0 Introduction</b> 1.1. Characteristics of Existing System 1.2. Overview of Proposed System with advantages. 1.3. Scope 1.4. Process Model – (Describe the process model with reason)	1
<b>2.0 System Requirement Specification</b> 2.1. User characteristics (Type of users who is dealing with the System and their roles) 2.2. Functional Requirements (Describe each module and its Functionalities) 2.3. Non-functional requirements	7
<b>3.0 System Analysis Modelling – User-based</b> 3.1. Feasibility Study of the New System – Here you have discussed the following feasibilities: Technical Feasibility, Time Feasibility, and Cost Feasibility 3.2. User-based modeling 3.2.1. Use case diagrams	16
<b>4.0 System Analysis and Design - Data Based</b> <b>4.1 Data Modelling</b> 4.1.1 Entity Relationship Diagram <b>4.2 Data Modelling</b> 4.2.1 Data Flow Diagram 4.2.1.1 Context Level Diagram (Level 0) 4.2.1.2 DFD-Level 1(for user) 4.2.1.3 DFD – Level 1(for chef) 4.2.1.4 DFD-Level 1(for admin) 4.2.1.5 DFD – Level 2(for user)	22
<b>5.0 Software and Hardware requirements</b>	32
<b>6.0 System Design – UML</b> <b>6.1 Input – Output Forms Design</b> <b>6.2 Graphical User Interface Design</b>	34
<b>7.0 Limitations of the system</b>	40
<b>8.0 Future Scope</b>	42
<b>9.0 References</b>	44
<b>10.0 Bibliography</b>	46
<b>11.0 System Interface design</b>	48

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

## **CHAPTER 1: -** **INTRODUCTION**

## **1.1 CHARACTERISTICS OF EXISTING SYSTEM**

1. As such in today's hectic life, most of the young people don't learn how to cook their meal. This app will be helping each user to make their own meal, with the ingredients available at their place.
2. This application can further be improvised and used for the people who are unable to hear with the help of videos of each recipe.
3. With help of integrated chat feature, users are able to chat with the chef and chef in turn can reply at their convenience.
4. The app provides simple interface and design. The user finds it more convenient to use as such the interface of the system is way too simple.

## **1.2 OVERVIEW OF PROPOSED SYSTEM WITH ADVANTAGES:**

1. This system is focusing on each and every person who have no idea about cooking their meal. This app will be having a login/signup page. After registering the user can get benefits the of this app.
2. The user will have to feed the ingredients available. The app, using Machine Learning concepts, will choose a recipe and will suggest to the user.
3. This system will also suggest the recipes based on daily usage. This app is user friendly, having video playing facility, user review system, communication between users and chef, suggesting the recipes and many more.
4. This system is implemented using Android, Java and Machine Learning concepts.

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

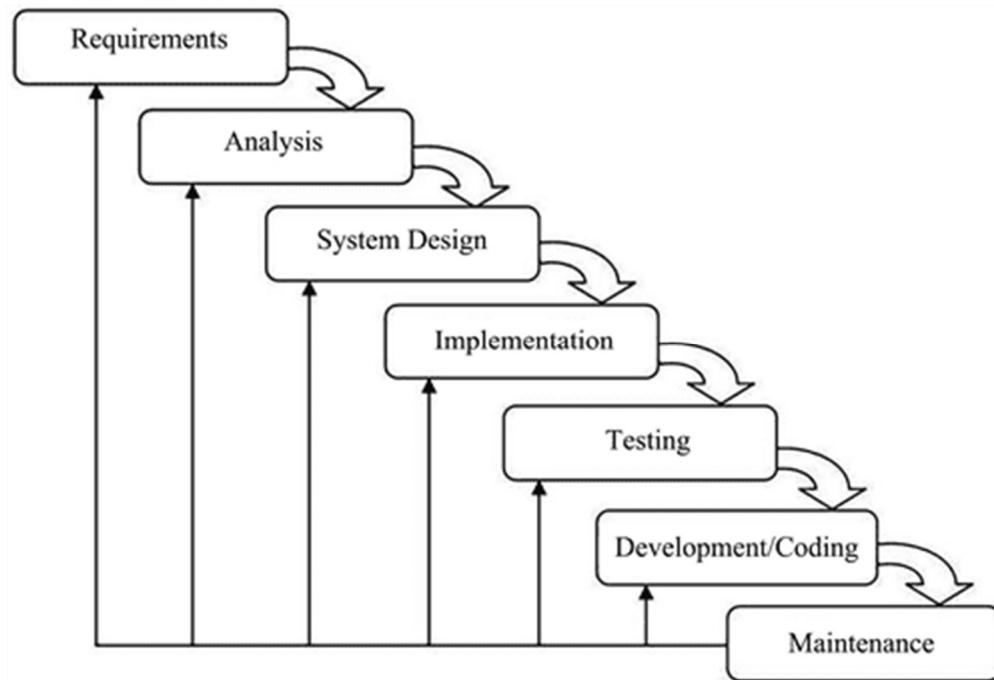
## **Advantages**

- It is trouble-free to use.
- can also be used by the specially-abled people.
- Is highly reliable.
- Best user Interface
- Generally used by the people who doesn't know how to cook.

### **1.3 SCOPE (SCOPE – LIST OF MODULES AND THEIR FUNCTION)**

- There are three modules of this system:
- 1. Admin: Admin can manage the application by managing the users' and chefs' login information. Also manages the feedback mechanism as well as the recipes being uploaded.
- 2. User: User can view the recipes as well as can purchase any special dishes uploaded by the chef for sell. User can also give the feedback of a particular recipe as well as for the system. User can also upload a snapshot of the recipe cooked by him/her.
- 3. Chef: Chef can upload the recipe cooked by them and also sell a particular dish prepared by them, thereby making another scope of profit for them.

## 1.4 PROCESS MODEL (DESCRIBE THE PROCESS MODEL WITH REASON)



[Figure: Process Model]

### Requirement analysis: –

This system is mainly used when people don't know how to cook. This system is also used when people don't know what to cook with the ingredients available with them. User can search the recipes by feeding the ingredients available in the system. This system is also used by the chefs in order to create a new scope of income.

### System design: -

The system design will include the login/sign in options. If user is already logged in then he/she can sign up. If a person is not logged in then he/she have to login first. After this, user will get a simple interface of this application where user can choose the recipes. Same process goes with the chef. But after logging in/signing in, he/she gets an interface where he/she can upload the recipes.

### **Implementation: -**

We can implement admin panel for security and also implement strong password security in all panel, user will get user interface and good facilities to easily use this application also we will provide relatively fast approach to search any recipes. It provides trouble free use.

### **Testing: -**

First of all, we build a database in MYSQL so we can arrange the user's data than we will develop our application in android studio so we can get data from users and save it in database.

### **Deployment: -**

The deployment phase involves making the software live in the production/real environment after tested thoroughly in the previous phase.

### **Maintenance**

Over a period of time, a software product may require some updation in order to remain functional in the real-world environment. The maintenance phase takes care of this activity by timely tuning of the software as per the requirements like more user traffic in application.

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

## **CHAPTER 2:-**

## **SYSTEM REQUIREMENT**

## **2.1 USER CHARACTERISTICS**

### **(Types of Users who is dealing with the System and their Roles)**

1. There are three types of users in the system
2. The admin who manages the system, the chef who provides the recipes and the users who views the recipes and can also upload the snapshot.

- **User**

1. Starts system
2. Views the recipe as well as uploads the snapshot or purchases a dish from the recipes uploaded by the chef for sell.
3. Update profile
4. Feedback

- **Admin**

1. Feedback-Response
2. Maintenance and update
3. Manages the recipes, users' and chefs' data.

- **Chef**

1. Starts system.
2. Uploads the recipe videos and content as well as the recipes for sell.
3. Converse with users.

## **2.2 FUNCTIONAL REQUIREMENTS (DESCRIBE EACH MODULE AND FUNCTIONALITIES)**

### **ADMIN:**

- **R.1: Registration / Login**

Input: Name, Email OR Phone, Password, Confirm Password

Output: Password verification page

Process: Processing the user information

- o R.1.1: Register in process

Process: All details are valid. Password matches with minimum requirements that can allow for register.

- **R.2: Manage Search**

Input: Handles the searched recipe

Output: Handles recipe searches successfully.

Process: If any error occurred, solves it.

- **R.3: Manage Ingredients**

Input: Handles all the ingredients (database)

Output: Handles ingredients successfully.

Process: If any error occurred, solves it.

- **R.4: Manage Recipe**

Input: Manage the recipes

Output: Successfully manage the recipes.

Process: Inserts the link as well as the of new recipes added.

- **R.5: Manage Category**

Input: Manage different categories like soup, sweet, spicy recipes, diet & Healthy recipe.

Output: Managed category successfully.

Process: If any error occurred, solves it.

- **R.6: Manage Videos**

Input: Manage the videos of recipes

Output: The video of the recipe manages successfully.

Process: If any error occurred, solves it, like video not being played or somehow the video is deleted.

- **R.7: Manage Interaction**

Input: It manages the interaction between the user and chef

Output: Manages the interaction successfully.

Process: Sends and receives the messages (between user and chef).

- **R.8: Manage FAQs:**

Input: User enters the question.

Output: Chef answers those frequently asked question.

Process: The answer being uploaded on the system.

- **R.9: Manage Feedback & Review**

Input: Admin can view feedback from others about the system (if fault found) as well as the recipes.

Output: The user gave the feedback successfully.

Process: The feedback sent to admin and actions being taken on it.

- **R.10: Logout**

Input: Click on Logout

Output: Admin will be log out from the app

Process: Query fired on database to drop a name of a user.

**USER:**

• **R.1: User Registration / Login**

Input: Name, Email OR Phone, Password, Confirm Password

Output: Password verification page

Process: Processing the user information

- R.1.1: Register in process

Process: All details are valid. Password matches with minimum requirements that can allow for register.

• **R.2: View search**

Input: Recipe name, ingredients name

Output: It will show the searched recipe with ingredients.

Process:

- R.1.2: Search Recipe name
- R.1.2: Search ingredients name

• **R.3: View Recipe**

Input: Recipe name

Output: Show recipes and recipe suggestions.

Process: Processes the ingredients fed by the user and based on that recipes are suggested

• **R.4: View category**

Input: Search for soup, sweet, spicy recipes, diet & Healthy recipe.

Output: Viewed category successfully.

Process: The recipe being searched according to the category entered.

• **R.5: View videos**

Input: Open the link given below the recipe.

Output: The video of the particular recipe opens successfully.

Process: The video being played.

• **R.6: View Tips**

Input: User clicks on view tips.

Output: User views the tips.

Process: The tips section being open.

- **R.7: Interaction with Chef**

Input: User can ask their recipes or cooking queries to the chef.

Output: Chef solves the user's query.

Process: Send and receive the message.

- **R.8: View FAQs**

Input: User views or adds any question in FAQs.

Output: Viewed or added the question.

Process: Opening the FAQ section.

- **R.9: View & Give Feedback**

Input: Users can view feedback from others and can also give feedback about recipes and application.

Output: The user gave the feedback successfully.

Process: The feedback being uploaded on the system

- **R.12: Upload Snapshots of the dish cooked by user**

Input: Picture is being clicked as well as hashtags are being added.

Output: Snapshot uploaded successfully.

Process: Snapshot uploading in progress.

- **R.11: Logout**

Input: Click on Logout

Output: User will be log out from the app

Process: Query fired on database to drop a name of a user.

**CHEF:**

• **R.1: Register / Login**

Input: Name, Email OR Phone, Password, Confirm Password

Output: Password verification page

Process: The chef gets redirected to the validation page.

○ R.1.1: Register in process

Process: All details are valid. Password matches with minimum requirements that can allow for register.

• **R.2: Search**

Input: The chef can also search as well as update his own recipe.

Output: The recipe found as well as updated successfully.

Process: The recipe being found from the database.

• **R.3: Interaction with User**

Input: User asks any query or give system feedback.

Output: The necessary service is provided by the admin.

Process: The problem stated by user being detected and solved.

• **R.4: Add Recipe**

Input: Chef adds new recipes.

Output: New recipe added successfully.

Process: Recipe being added in the database.

• **R.5: View Category**

Input: Chef can view as well as add different categories.

Output: Chef successfully viewed / added categories.

Process: The recipe being searched according to the category entered

• **R.6: Giving tips**

Input: Tips for a particular recipe added.

Output: Tips for the recipe is shown in the system.

Process: Tips being added.

• **R.7: Upload Videos**

Input: Chef adds a link to the video below the recipe.

Output: Video uploaded successfully.

Process: The video being uploaded on the system.

- **R.8: View & Give Feedback & Review**

Input: Chef can view feedback from others and can also give feedback about application and Management.

Output: The chef gave the feedback successfully.

Process: The feedback being uploaded on the system.

- **R.9: Contact Us**

Input: It gives a reference to the admin or provide email-id for contact.

Output: Chef successfully provides Contact details.

Process: The chef contacting the management.

- **R.10: FAQ section**

Input: Chef views frequently asked questions.

Output: Answer added successfully.

Process: Chef answers those question.

- **R.11: Logout**

Input: Click on Logout

Output: Chef will be log out from the app

Process: The query being fired to drop a user from the database.

## **2.3 NON - FUNCTIONAL REQUIREMENTS: -**

Non-functional requirements are characteristics or attributes of the system that can judge its operation. The following points clarify them:

### 1. Usability:

- The application shall be easy to use and intuitive.
- The application shall have a user-friendly interface.
- GUI shall be simple and clear.

### 2. Performance:

- The application shall be fast and robust when loading.
- The program shall not allow more than 10 min/year of failure.

### 3. Reliability Requirements:

- The application shall not produce an incorrect output.

### 4. Portability Requirements:

- The software shall work in all different platforms.

### 5. Space Requirements:

- The application shall have enough memory space in order to store high amount of data.

### 6. Safety Requirements:

- The application shall be protected from any external danger or attacks.

### 7. Security Requirements:

- Users who create an account with Foodix will be expected to verify their account using an email address that they will provide upon account creation. It is assumed that only the user will have access to their account, or anyone the user gives access to. It is possible that a user's password could be stolen and their account compromised, however Foodix does not store any critical data.

**CHAPTER 3: -**  
**SYSTEM ANALYSIS**  
**MODELING**  
**USER-BASED**

### **3.1 FEASIBILITY STUDY OF THE NEW SYSTEM**

Feasibility analysis begins once the goals are defined. It starts by generating broad possible solutions, which are possible to indicate what the new system should look like. This is where creativity and imagination are used. Analysts must think up new ways of doing things- generate new ideas. There is no need to go into the detailed system operation yet. The solution should provide enough information to make reasonable estimates about project costs and give users an indication of how the new system will fit into the organization. It is important not to exert considerable effort at this stage only to find out that the project is not worthwhile or that there is a need to significantly change the original goal. The feasibility of a new system means ensuring that the new system, which we are going to implement, is efficient and affordable. There are various types of feasibility to be determined.

#### **TECHNICAL FEASIBILITY: -**

The technical requirement for the system is economic and it does not use any other additional hardware and software. The technical evaluation must also assess whether the existing systems can be upgraded to use the new technology and whether the organization has the expertise to use it. Install all upgrades framework into the android package supported windows-based application. This application depends on the MySQL for the creation of database as well as Android is used for the application development. Enter the ingredients and find the easiest recipe.

#### **COST FEASIBILITY: -**

The development of this application is highly economically feasible. The only thing to be done is making an environment where anyone can get their home cooked food using the ingredients available. It is cost-effective because user doesn't have to purchase the food from restaurants as the recipes with the ingredients available is being provided. The system is also time effective because the recipes are hardly for 5 to 10 minutes.

**Cost Estimation:** - Rs.70,470

### **OPERATIONAL FEASIBILITY:** -

The system working is quite easy to use and simple but attractive interface. User requires no special training for operating the system. Technical performance includes whether the user is being provided with the recipes when he/she is searching, in no time gap.

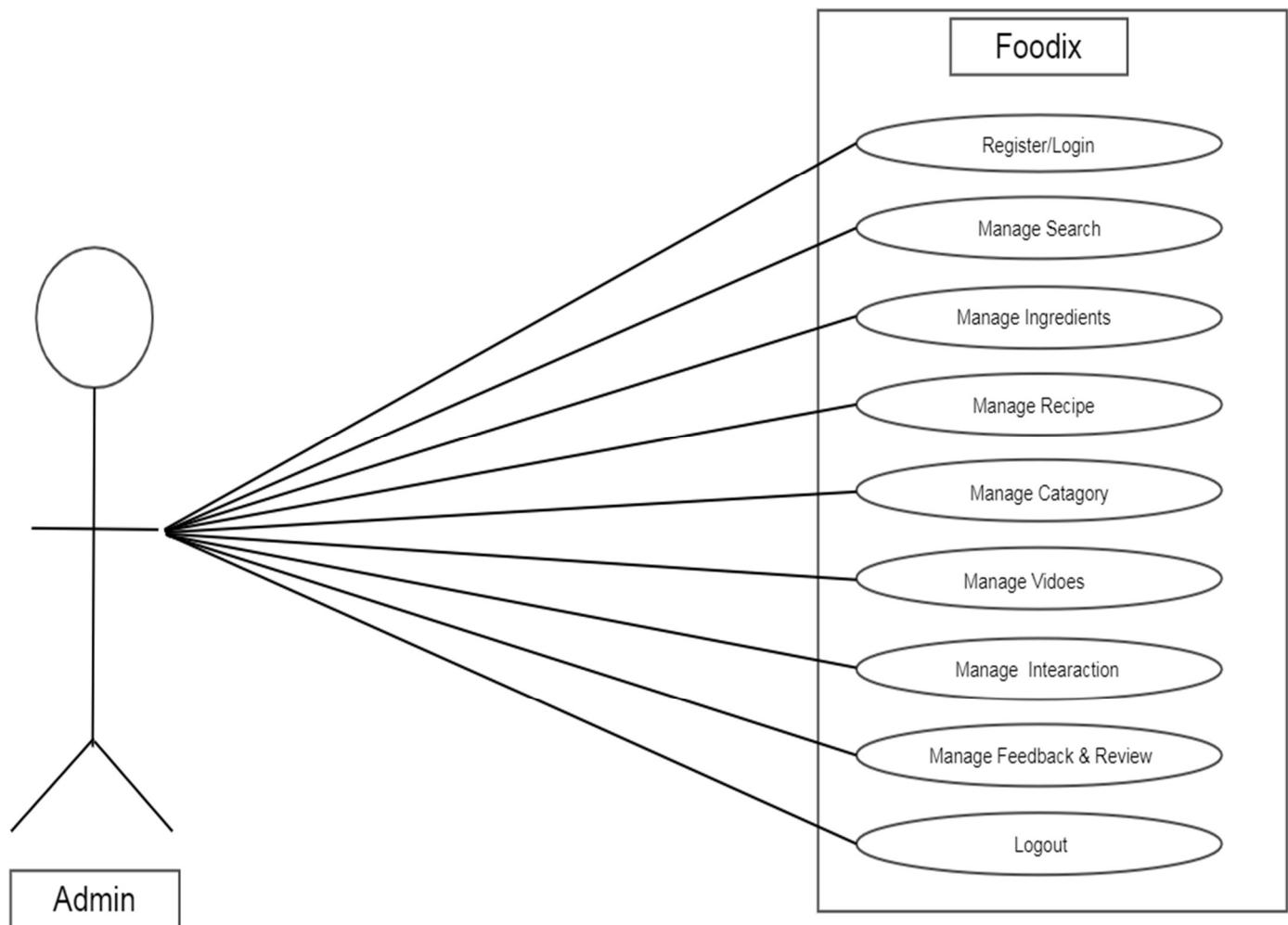
### **TIME FEASIBILITY:** -

1. First 6 months: - Create the Project Report
2. Second 6 months: - Create the Android Application and PHP Admin Module.

## 3.2 USER-BASED MODELING

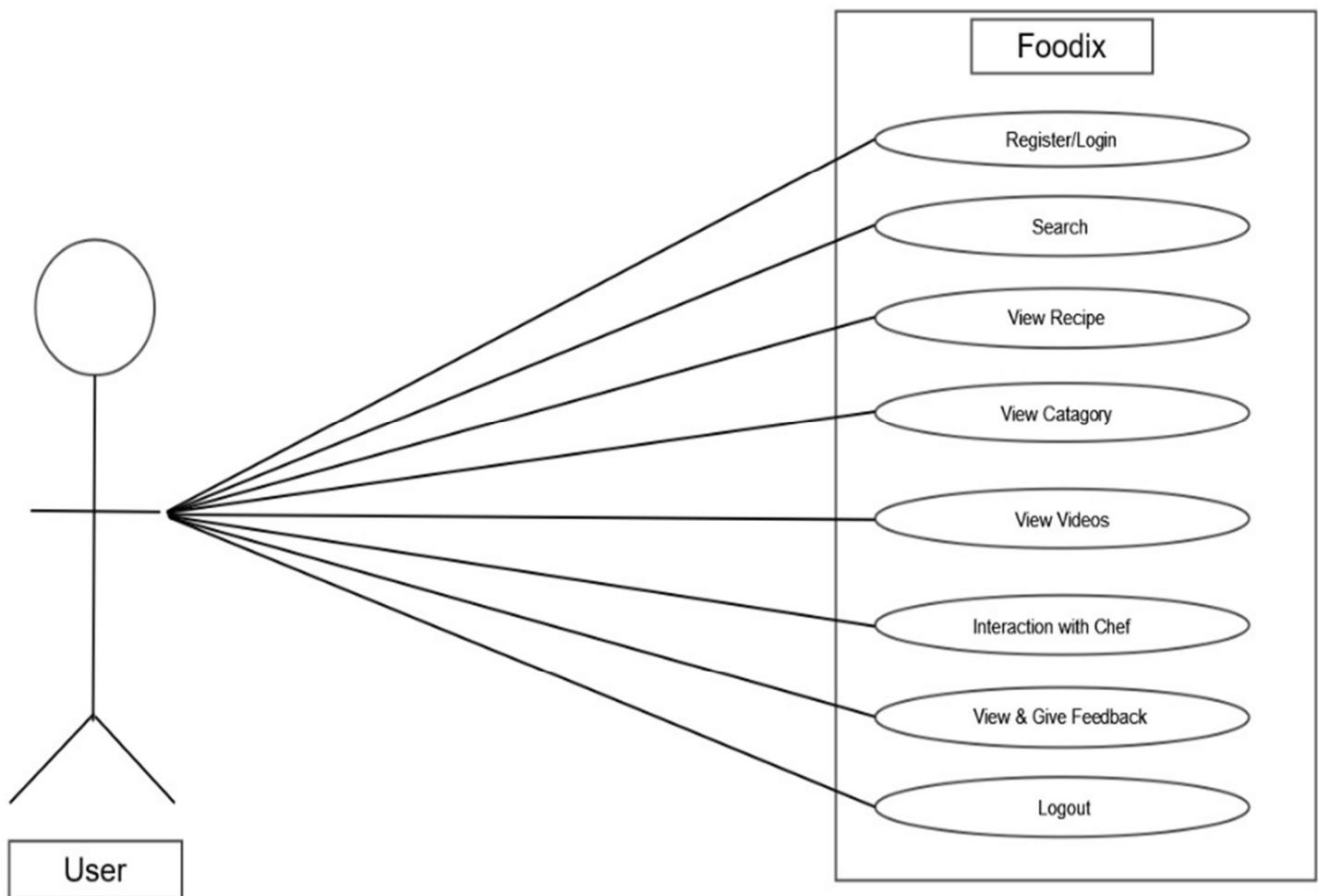
### 3.2.1 Use-Case Diagram: -

Admin:



[Figure: USE-CASE OF ADMIN]

**User:**

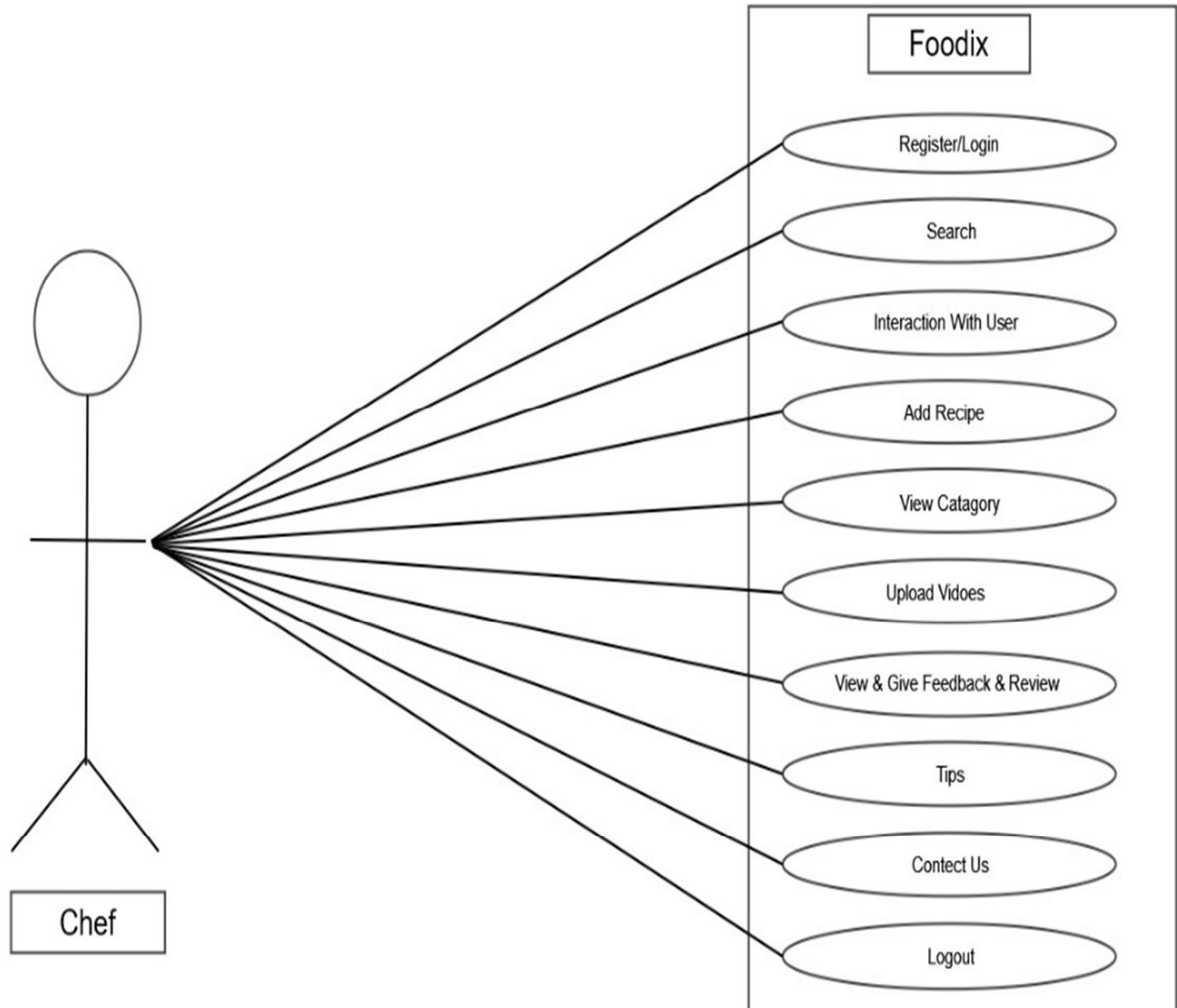


[Figure: USE CASE OF USER]

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

**Foodix**

**Chef:**



[Figure: USE CASE OF CHEF]

**CHAPTER 4: -**  
**SYSTEM ANALYSIS**  
**AND DESIGN –**  
**DATA BASED**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

Foodix

## 4.1 DATA MODELING

### 4.1.1 Data Dictionary (List of Database Tables included in system)

## Database for Foodix

**Table name: User\_Login\_info**

**Attributes:**

<u>user-id</u>	user-name	password	First-name	Middle-name
Last-name	Contact-no	Email-id	DOB	address
taste	Preferred-recipe	Fav-dish		

**Table name: Recipe\_info**

**Attributes:**

<u>rep-id</u>	rep-name	ingredients	steps	video
time	Nutrition-info	Tips & trick	image	cat-id

**Table name: Catagory\_info**

**Attributes:**

<u>cat-id</u>	cat-name			
---------------	----------	--	--	--

**Table name: Communication\_info**

**Attributes:**

<u>com-id</u>	user-id	chef-id	question	answer
---------------	---------	---------	----------	--------

**Table name: Feedback\_info**

**Attributes:**

<u>f-id</u>	user-id/chef- id	ratings	Review of user	Review of chef	positive/negative
-------------	------------------	---------	----------------	----------------	-------------------

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

**Table name: Admin\_Login\_info**

**Attributes:**

<b>admin-id</b>	<b>admin-name</b>	<b>password</b>	<b>First-name</b>	<b>Middle-name</b>
<b>last-name</b>	<b>contact-no</b>	<b>Email-id</b>	<b>DOB</b>	<b>address</b>

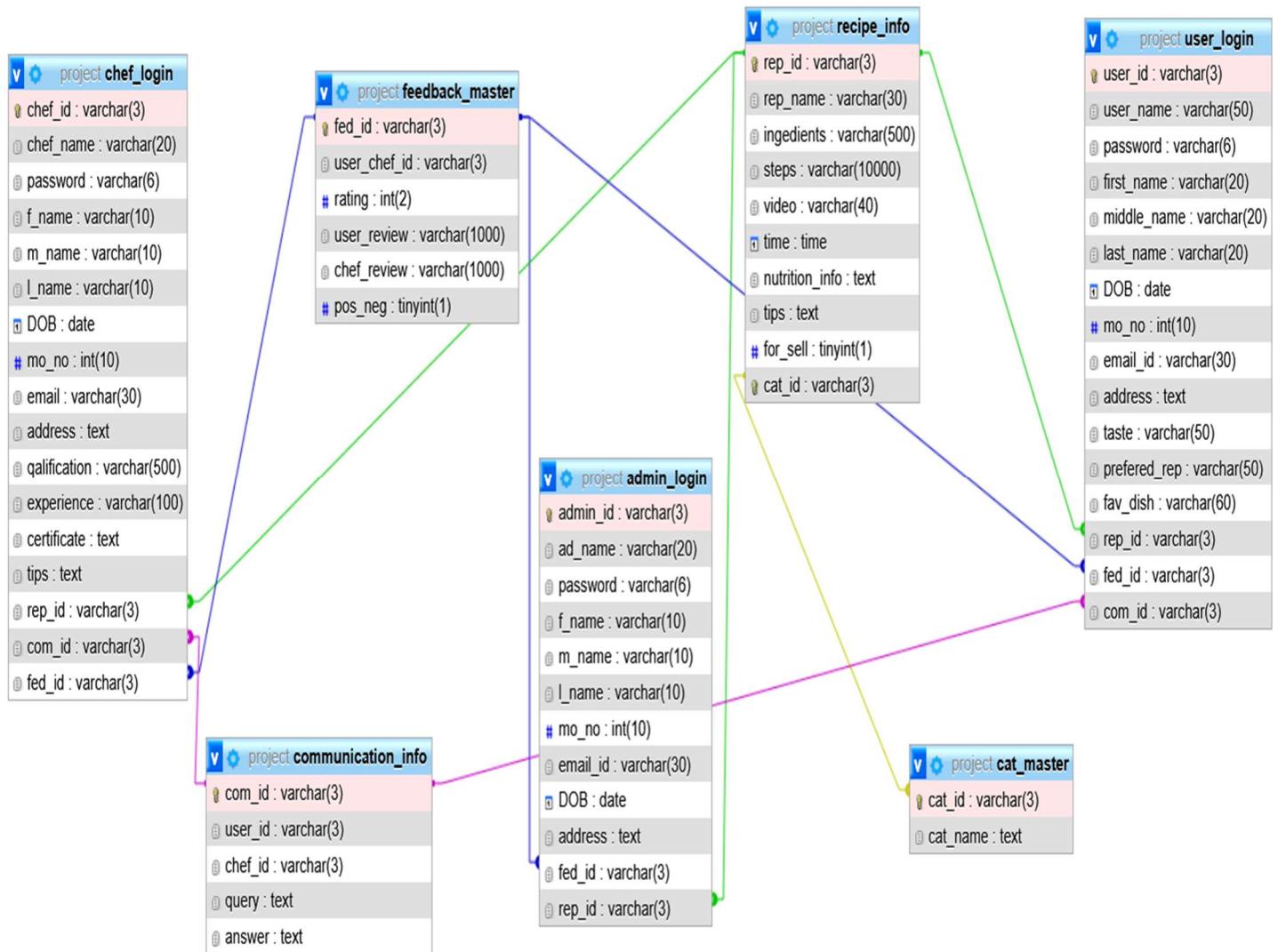
**Table name: Chef\_Login\_info**

**Attributes:**

<b>chef-id</b>	<b>chef-name</b>	<b>password</b>	<b>first-name</b>	<b>middle-name</b>
<b>last-name</b>	<b>Contact-no</b>	<b>Email-id</b>	<b>DOB</b>	<b>address</b>
<b>certificate/degree</b>	<b>qualification</b>	<b>experience</b>		

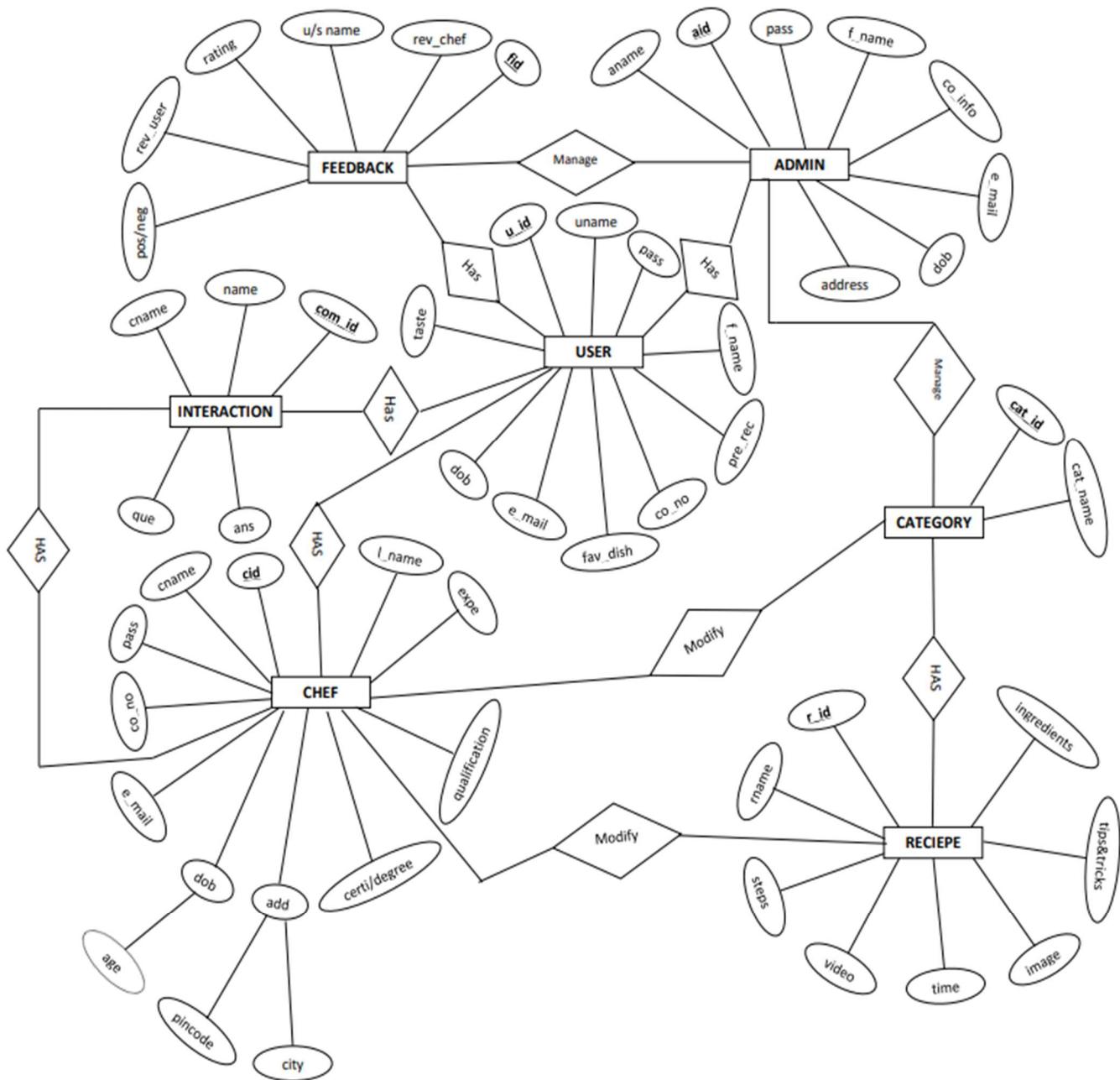
206020307064 – Urvi Ponda  
 206020307045 – Mahek Mehta  
 206020307029 – Shreeya Trivedi  
 206020307050 – Vrunda Chavda  
 206020307066 – Shilpa Vadher

## Class Diagram



[Figure: Class Diagram]

#### 4.1.2 E-R(Entity Relationship) Diagram

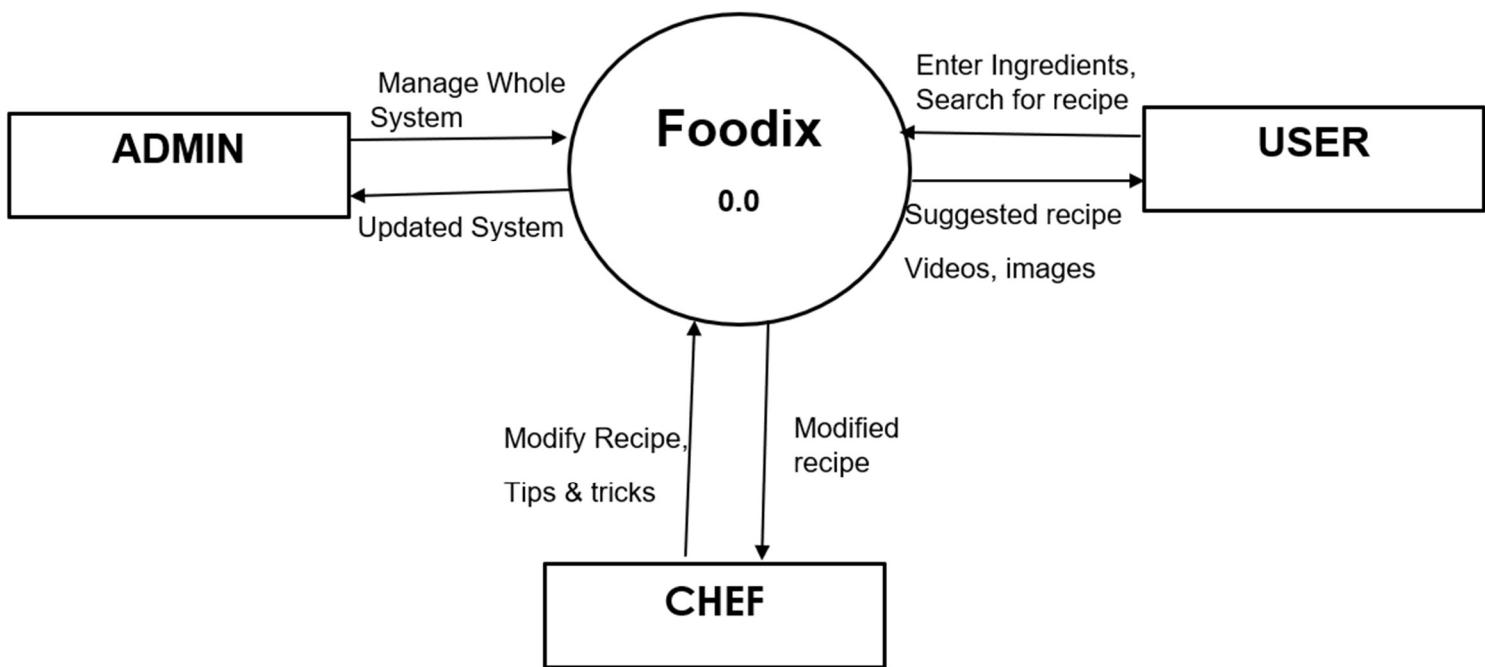


[Figure: E-R diagram]

## 4.2 BEHAVIOURAL MODELLING

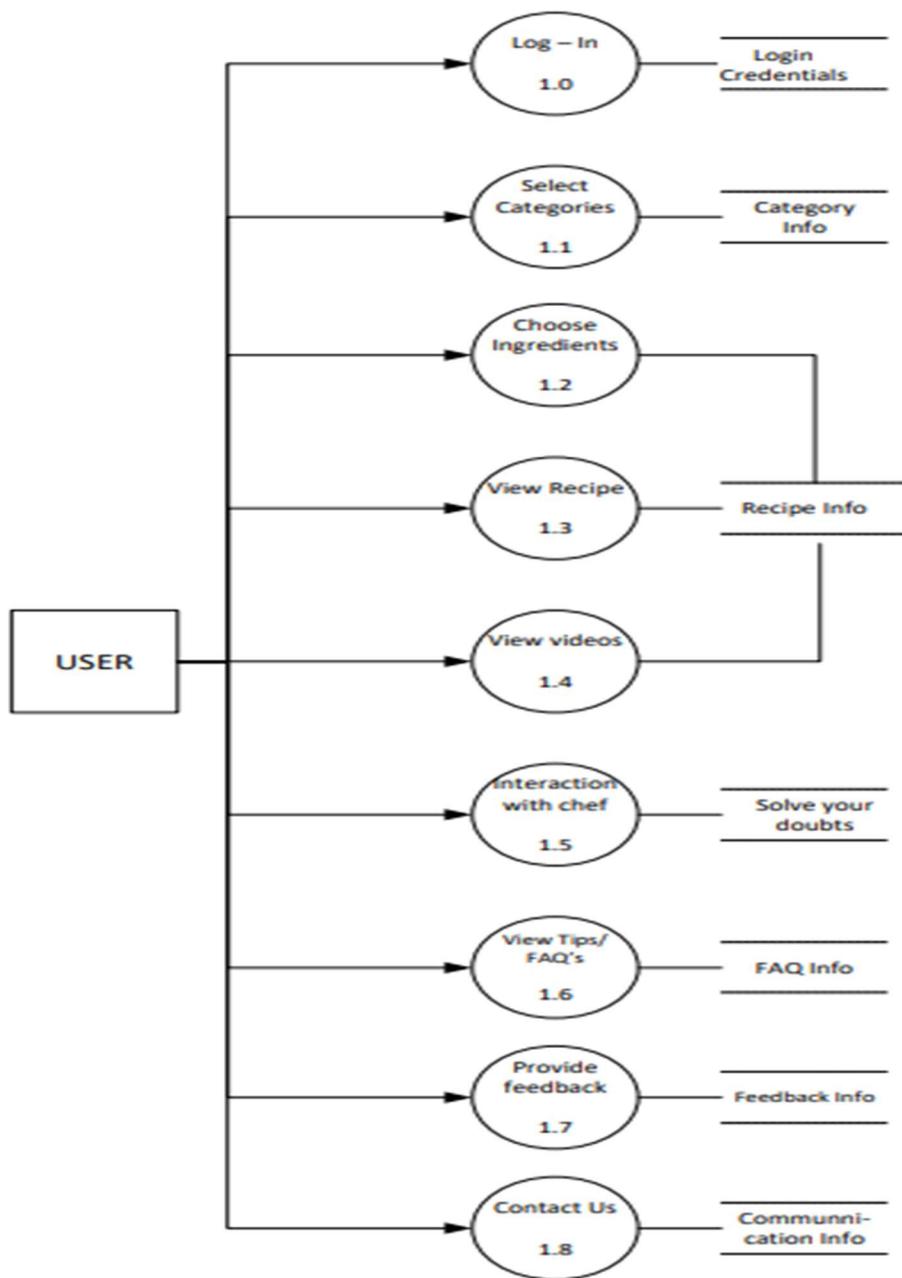
### 4.2.1 Data Flow Diagrams

#### 4.2.1.1 Context Diagram [Level –0]



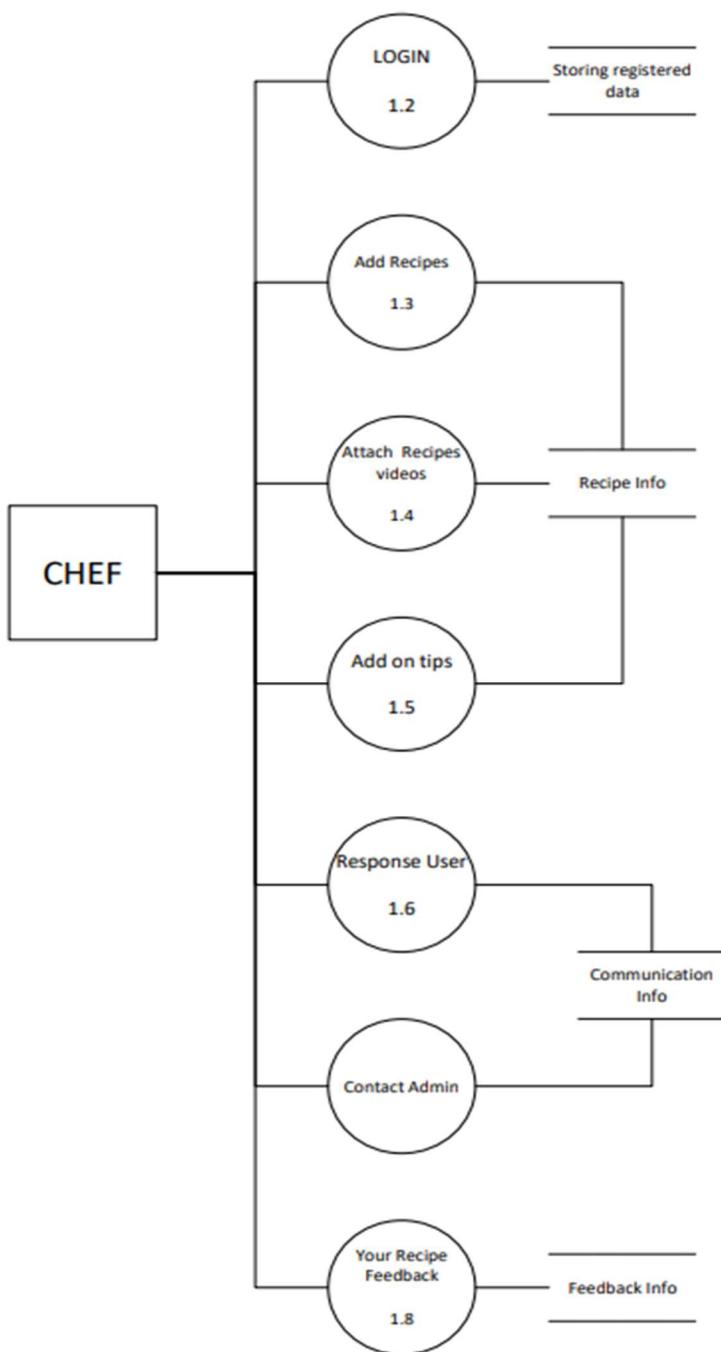
[Figure: DFD LEVEL-0]

#### 4.2.1.2 DFD [Level –1 FOR USER]



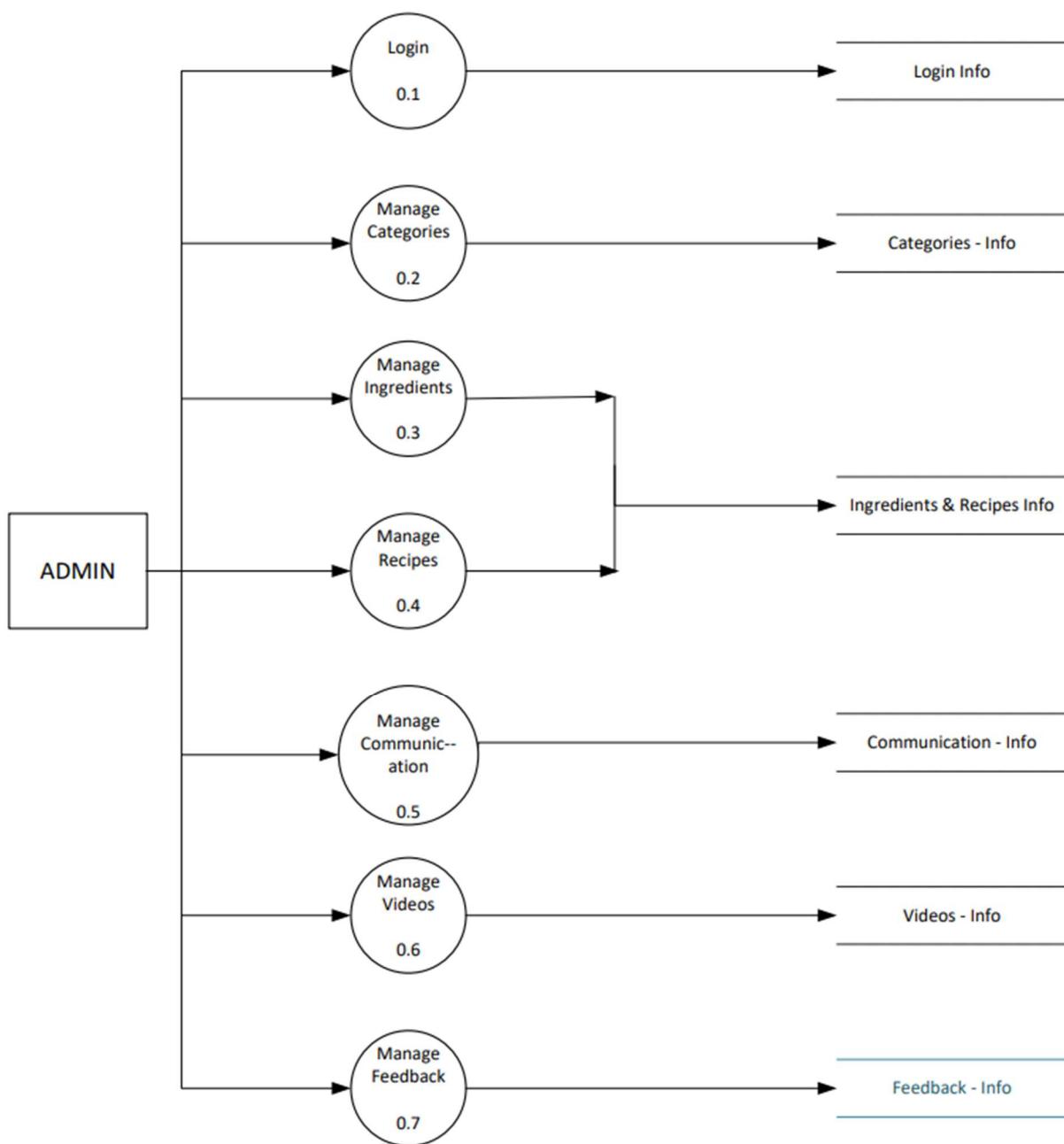
[Figure: DFD LEVEL-1]

#### 4.2.1.3 DFD [Level –1 FOR CHEF]



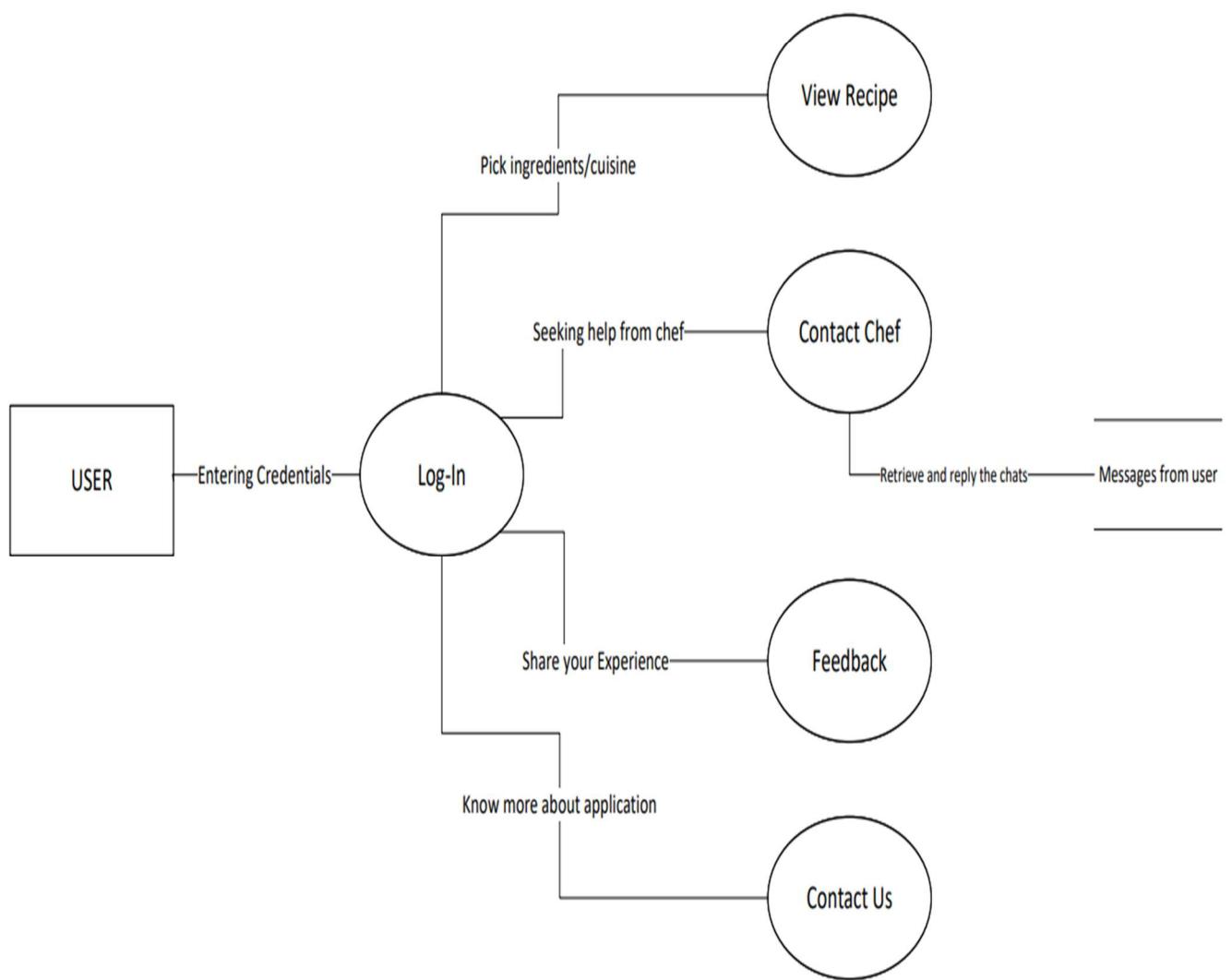
[Figure: DFD LEVEL-1]

#### 4.2.1.4 DFD [Level –1 FOR ADMIN]



[Figure: DFD LEVEL-1]

#### 4.2.1.5 Context Diagram [Level –2 FOR USER]



[Figure: DFD LEVEL-2]

## **CHAPTER 5: -**

## **SOFTWARE**

## **REQUIREMENTS**

## **Software**

- **PyCharm**  
PyCharm is a dedicated Python integrated Development Environment (IDE) providing a wide range of essential tools for Python developers, tightly integrated to create a convenient environment for productive Python, web and data science development.
- **Android Studio**  
Android is a software package and Linux based operating system for mobile devices such as tablet computers and smartphones.  
It is developed by Google and later the OHA (Open Handset Alliance). Java language is mainly used to write the android code even though other languages can be used.  
The goal of android project is to create a successful real-world product that improves the mobile experience for end users.
- **Word**  
Microsoft Word is a computer application program written by Microsoft. It is mainly used to design text for presentation.  
Our MS Word tutorial includes all topics of MS Word such as save the document, correct error, word count, font size, font style, apply a style, customize a style, page size, page margin, insert header and footer and more.
- **Visio**  
Microsoft Visio is a diagramming tool that allows you to create diagrams (ranging from simple to complex), which aid in data visualization and process modelling. Visio also helps to create detailed org charts, floor plans, pivot diagrams, etc.
- **Sublime text**  
Sublime Text Editor is a full featured Text editor for editing local files or a code base. It includes various features for editing code base which helps developers to keep track of changes.
- **XAMPP**  
XAMPP is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl, and it allows you to build WordPress site offline, on a local web server on your computer. This simple and lightweight solution works on Windows, Linux, and Mac – hence the “cross-platform” part.
- **NetBeans**  
An Integrated Development Environment (IDE) for any programming language which allows applications to be developed and modified is called NetBeans. Modules are a set of software modular components. Windows, MacOS, Linux and Solaris allow NetBeans to be run in their system.

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

## **CHAPTER 6: -**

## **SYSTEM DESIGN - UML**

## **WHAT IS UML?**

A UML diagram is a diagram based on the UML (Unified Modeling Language) to visually represent a system along with its main actors, roles, actions, artifacts, or classes, to better understand, alter, maintain, or document information about the system.

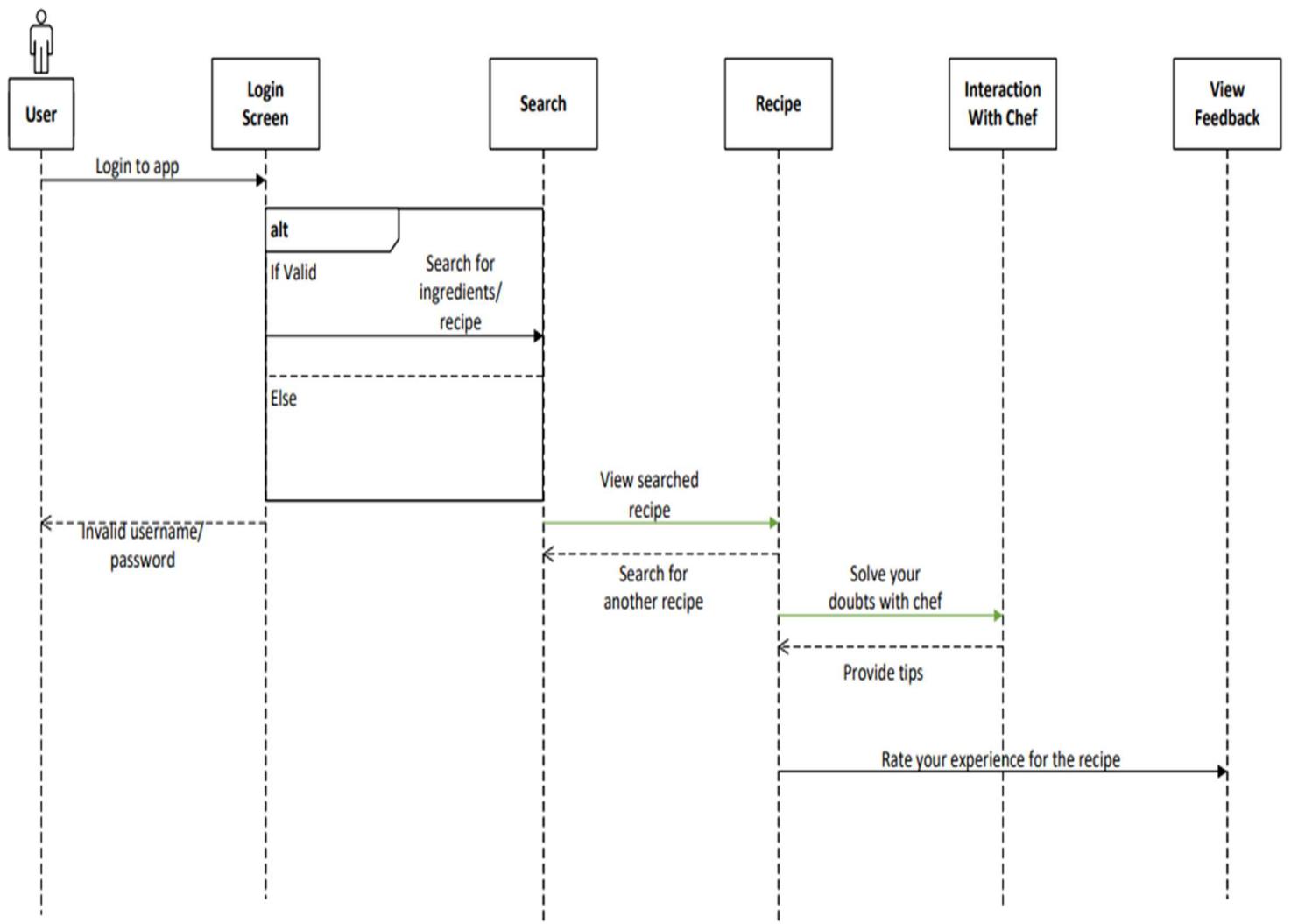
## **WHAT IS SEQUENCE DIAGRAM?**

UML Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.

## **WHAT IS ACTIVITY DIAGRAM?**

The activity diagram is another important behavioral diagram in the UML diagram to describe the dynamic aspects of the system. An activity diagram is essentially an advanced version of the flow chart that modeling the flow from one activity to another activity.

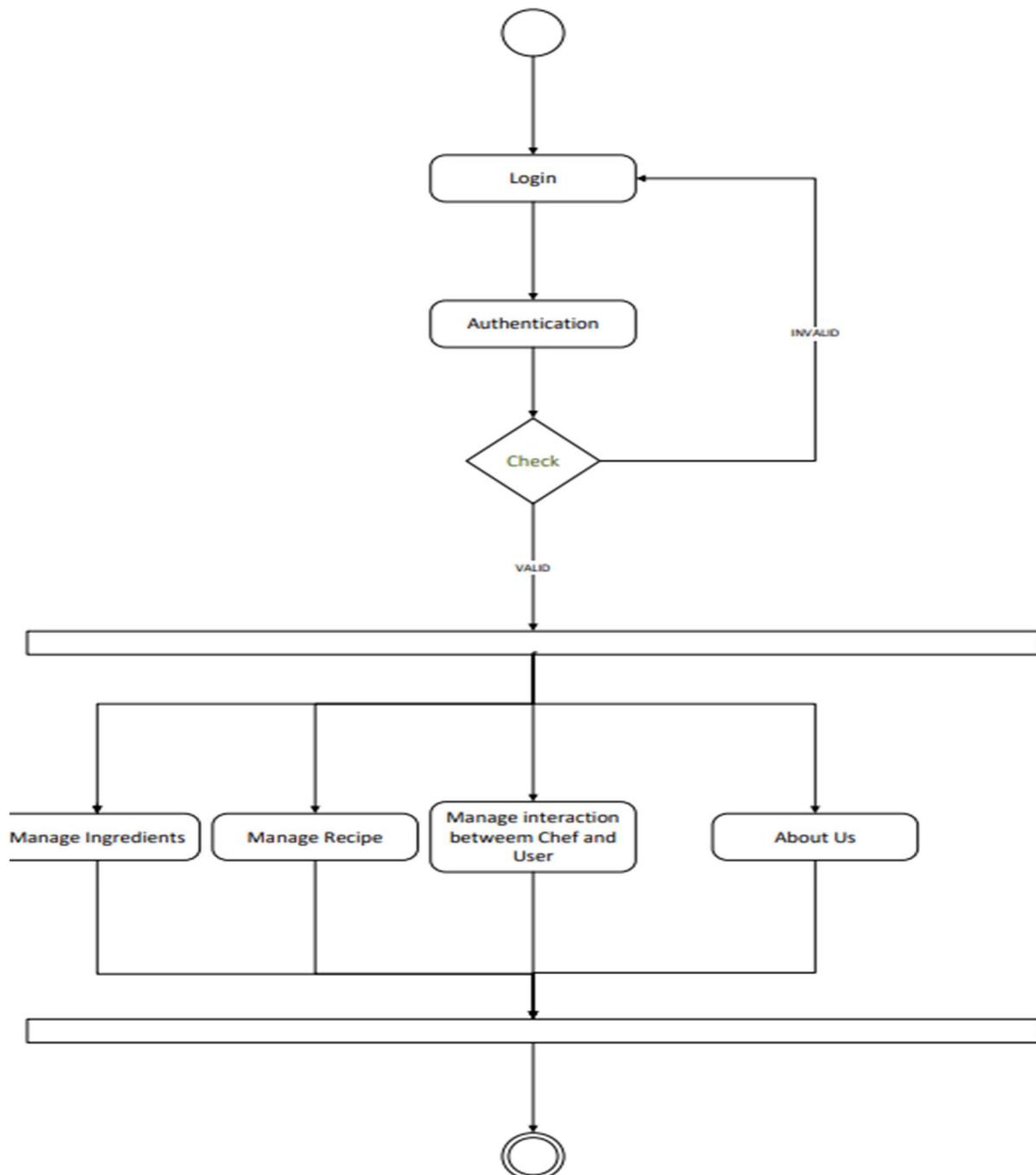
## 5.1. SEQUENCE DIAGRAM



[Figure: SEQUENCE DIAGRAM]

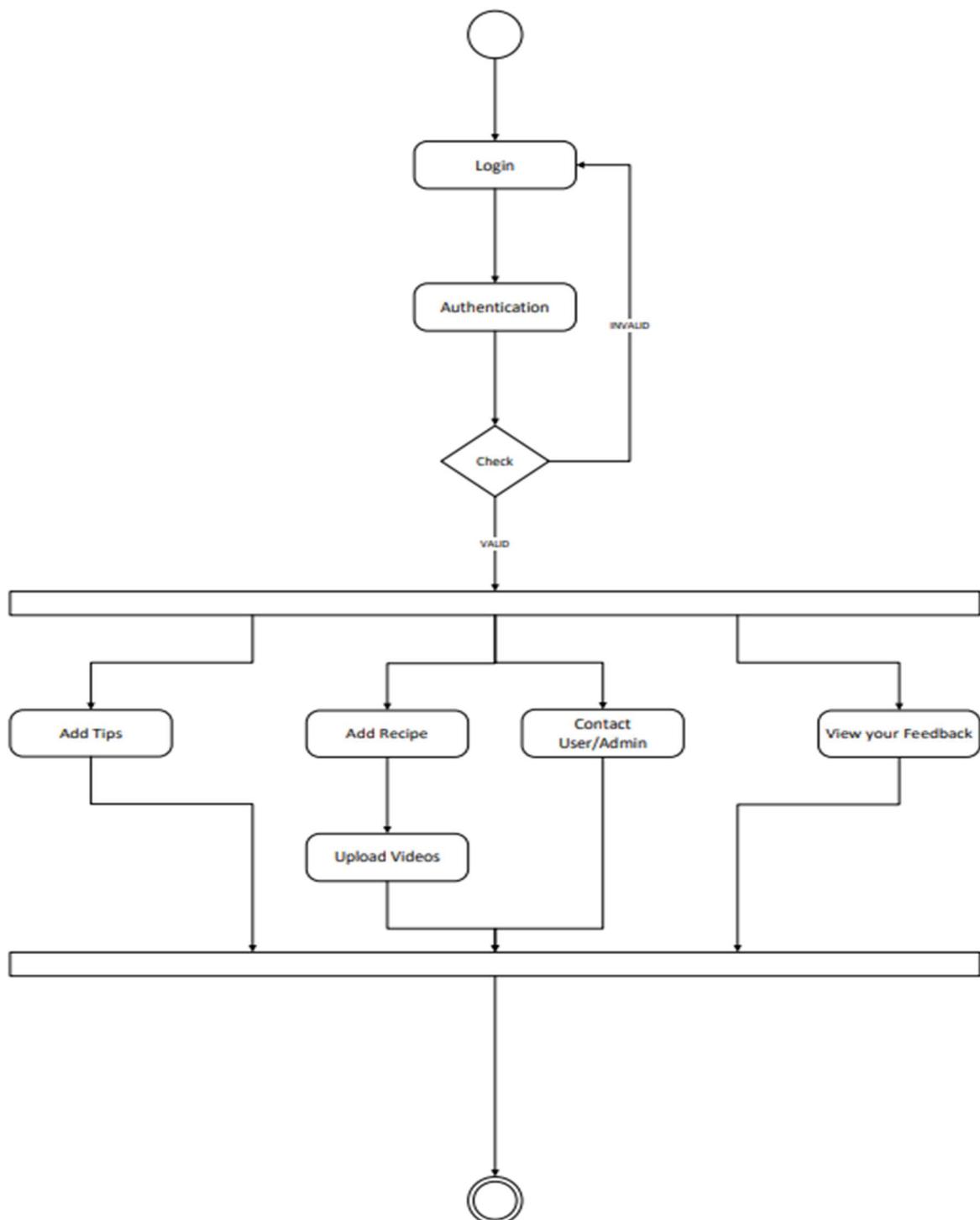
## 5.2. ACTIVITY DIAGRAM

**Admin:**



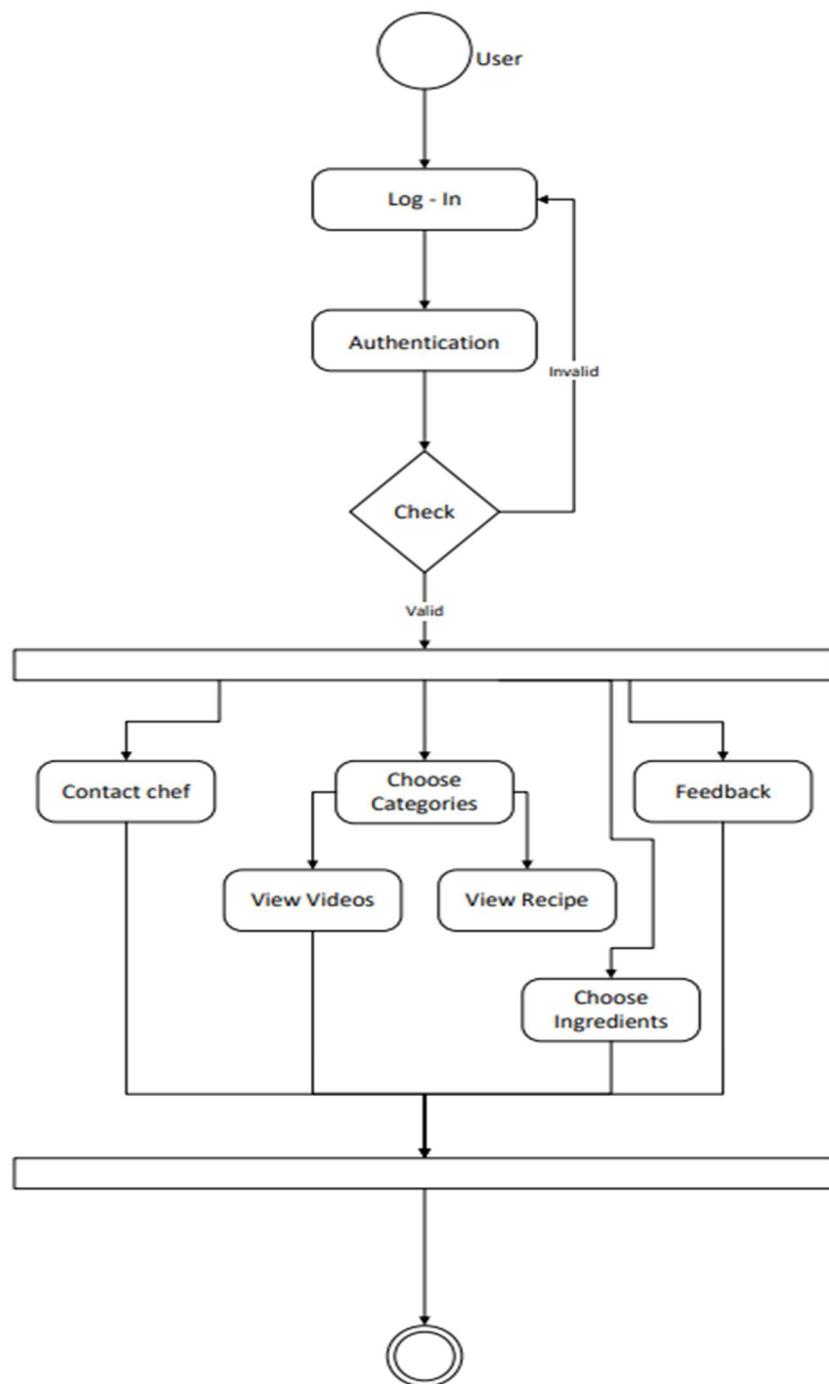
[Figure: ACTIVITY DIAGRAM OF ADMIN]

**Chef:**



[Figure: ACTIVITY DIAGRAM OF CHEF]

**User:**



[Figure: ACTIVITY DIAGRAM OF USER]

## **Chapter 7:** **Limitations of the system**

## **LIMITATIONS:**

- Recipes in this app currently can be viewed in one language, English. Not more than one language.
- This app currently has limited database means limited recipes.
- User communicates with limited chef.
- User can't purchase ingredients.

## **CHAPTER 8: -**

## **Future scope of the system**

## **Future scope of the system: -**

- In future, we can translate these recipes into more than one language to make it easier for people to understand.
- The concept of cloud kitchen will be available in future to prepare food for multiple brands and deliver it directly to the customer.
- The concept that chef can sell their own recipes is also available in the future.
- The concept that the customer can purchase the ingredients from this app itself can also be brought into future.
- Let us also introduce the concept in Future that if people do not know how to write, they can search the recipe by speaking the name of the ingredient.
- We will make the database include a greater number of recipes in Future so that the recipes of most of the items are available in this app.

## **CHAPTER 9: -**

## **References**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreyya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

---

**Foodix**

## **For diagram**

<http://www.lucidchart.com/>  
<http://creately.com/>  
<https://youtu.be/gzKe7yt8qEo>  
[https://youtu.be/WSoOM\\_jbBP4](https://youtu.be/WSoOM_jbBP4)

## **For knowledge**

<http://allrecipes.com/>  
<http://tasty.co/>  
<http://cookpad.com/>

## **CHAPTER 10: -**

## **Bibliography**

## HELLO ANDROID.

Originally published 2008 Book by Ed Burnette Hello, Android: Introducing Google's Mobile Development Platform

Natural Language Processing with Python.

Originally published 1005 Book by O'Reilly Media, Inc.

Natural Language Processing with Python: Introducing computers communicate with humans in their own language and scales other language-related tasks.

# **CHAPTER 11: -**

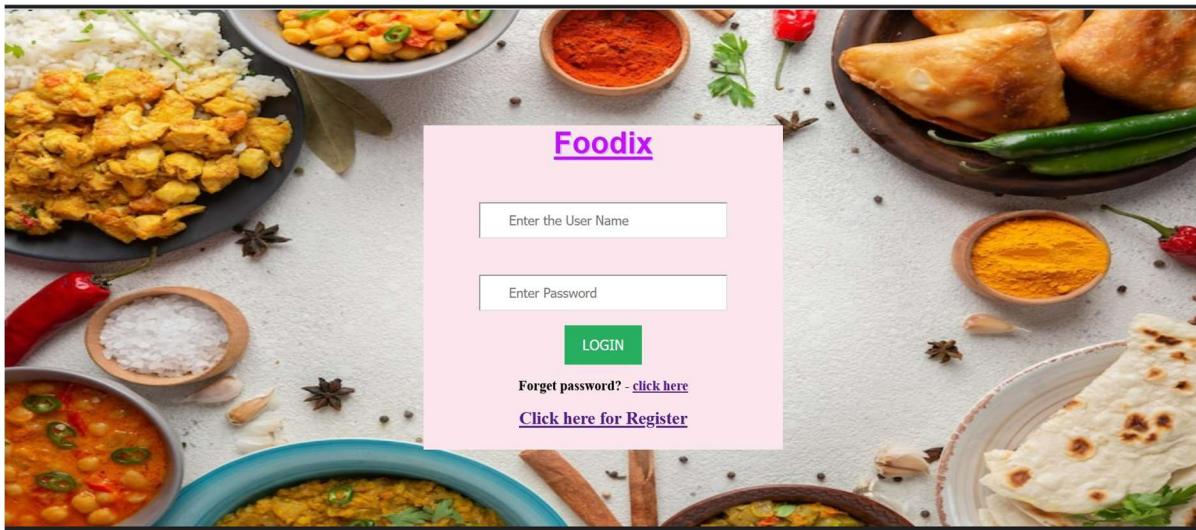
## **System Interface**

### **Design**

206020307064 – Urvi Ponda  
206020307045 – Mahek Mehta  
206020307029 – Shreeya Trivedi  
206020307050 – Vrunda Chavda  
206020307066 – Shilpa Vadher

**Foodix**

## **LOGIN FORM: -**



## **ADMIN REGISTRATION FORM: -**

A screenshot of an admin registration form titled "Admin Registration". The form is set against a background image of a large, appetizing burger on a wooden board. The registration fields include "UserID", "Password", "First name", "Middle name", "Last name", "DOB" (with a date input field), "Mobile no.", "Email", and "Address". A blue "SUBMIT" button is located at the bottom left of the form area.