

Shopping Cart Using AngularJS

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Shopping Cart Using AngularJS

Minor Project

Submitted in fulfillment of the requirements

For the degree of

Bachelor of Technology in Information Technology

By

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CERTIFICATE

This is to certify that the project entitled “SHOPPING CART APP USING ANGULARJS” submitted by PATEL AKASH [15BIT029] and TRIPATHI CHARMY [16BIT162] towards the partial fulfillment of the requirements for the degree of Bachelor of Technology in Information Technology of Nirma University is the record of work carried out by him/her under my supervision and guidance. In my opinion, the submitted work has reached a level required for being accepted for examination.

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ACKNOWLEDGEMENT

This is one of most important part of our project. We want to thank those people who help us to make this project possible. We give our sincere thanks to Prof. Akhilesh Ladha who gave us the opportunity to know about the various aspects of the application and help us to prepare this website. Apart from our team work, the success of this report largely depends on the encouragement and guidelines of many others. The guidelines and suggestions for the Application were helpful to make our Android Application more interactive and user-friendly. We have also gone through various sites to get the accurate information for analysis and tried to find the best conclusion. We came to know about so many new things which are very useful for us. This application increases our knowledge in AngularJs and firebase. We would like to Thanks “Department of Information Technology” for providing us with necessary and latest technology that help us in completing our work.

ABSTRACT

The aim of this project is to provide one platform for all to share their knowledge of recipe in online platform where one can upload his recipe and every authenticated user can see it and prepare delicious dishes. To see the recipe, user need to create his account on our platform and sign in to see the recipe. This application provides flexibility to customer to search the various types of recipe from the available recipe in the application. Also provides to the customer with some specific features. From the shopping list customer can select the ingredients and add the ingredients into the cart which they want to purchase. Shopping cart app is time saver application provide recipe to the customer in few clicks. The project has been implemented using AngularJS.

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Chapter 1

Introduction

1.1 Project Summary

➤ Project Title:

Shopping cart using angularJs

➤ Front-End Tool:

AngularJs 6

➤ Back-End Tool:

Firebase

➤ Project Guide:

Prof. Akhilesh Ladha

➤ Submitted By:

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1.2 Introduction

Nowadays, everything is reachable through the Internet. The arrival of Smartphones has changed the life of people. It is difficult to pass the life without Smartphone and Internet, with that social media came to in picture. Now a days social Media are become part of us.

Shopping cart application is a very useful app for the customer who like to cook and who passionate to try new recipe. It provides the customer to search the recipes, add the ingredients of recipe into the cart and modify the ingredients accordingly his/her need. The major part is all the required ingredients can add to shopping in just one click and customer can modify according to his need such if customer do not want that ingredients he/she can just delete that. Website is user friendly and every group age can use it. Here the customer can add its own customer recipe that everyone else can see.

1.3 Project Characteristic

- **Registration and login**
- **View the Recipe**
- **Create its own Recipe**
- **Add the recipe**
- **Add ingredients to Shopping List**
- **Update and Delete ingredients of shopping list**
- **Manage Recipes**

1.4 Goal

Shopping cart application is time saver application providing the recipes in few clicks. In this application customer can view the recipes. Customer don't need to go anywhere he/she can order the ingredients of specific recipe from this application.

1.5 Objective

The objective of shopping cart app is to develop application to be used to rise customer kitchen skills and place grocery shopping instead of using card and many more. We can say that shopping cart app turn your mobile phone into pocket sous chef.

Chapter 2

LITERATURE SURVEY

2.1 Existing System

- Existing system does not provide one platform for all the recipe.
- User need to visit different website for different recipe.
- User required to purchase app to publish his/her own recipe.
- Existing system does not provide shopping list.
- Existing System does not have efficient GUI.

2.2 Drawback

Chapter 3

System Requirement Study

3.1 User requirements

- The intension of this step is to assure that the requirements are precise, complete and consistent. Also to assure that the in end we meet the final outcome of our expectation.
- There are two types of requirements of any project:
 - Function requirements
 - Non-functional requirements
- Functional requirements are those which explain the different types of function of the application.
- Where non-functional requirements are those that present the application properties and constraints.

3.2 Functional Requirements

- **Register:** Customer is required to register for accessing the application. The information of the customer will be stored in the database.
- **Login:** Login is the first step of any application before performing the any action.
- **Manage Category:** Admin can manage the category of the different types of recipes.
- **Manage Item:** Admin can manage the item in this application.
- **Manage Order:** Admin can manage the order of the registered customer.
- **Search Recipe:** Any registered customer can search the recipes in this application.
- **View Recipe:** The registered customer is able to view the recipe which is posted.
- **View Ingredients:** Registered customer shall be able to view the ingredients of specific recipe. He/she can able to modify the ingredients accordingly his/her need.
- **Purchase Item:** Registered customer can be able to purchase the ingredients of specific recipes.
- **View Order:** Customer can view his/her order after they added it into cart.
- **View Shopping List:** Customer can able to manage his/her shopping list based on needed ingredients.

3.3 Non-functional Requirements

- Usability Requirements:
 - This application is very easy for use.
 - This application has user-friendly interface.
 - GUI is also very simple.
- Performance Requirements
 - Application is robust when it loading. So, application is fast.
- Implementation Requirements

- This application is implemented in angularjs.
- Privacy Requirements
 - Guest customer can not be able to view or order the ingredients.
 - Personal information of registered customer is handled by the admin.

3.4 User Characteristics

- There are two types of users:
 - Admin
 - Customer
- Admin
 - Login
 - Manage category
 - Manage item
 - Manage order
 - View order
- Customer
 - Register
 - Login
 - Search item
 - View recipe
 - Add to cart
 - Purchase item
 - Add item
 - Delete item

3.5 Data Flow Diagram

Context Level DFD: 0 Level

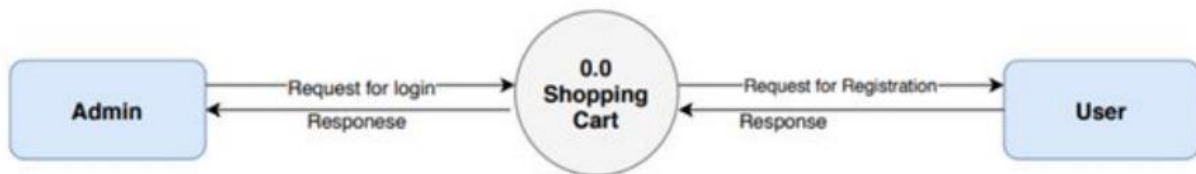


Fig 3.5.1 Context Level DFD

1st Level DFD: Admin Side

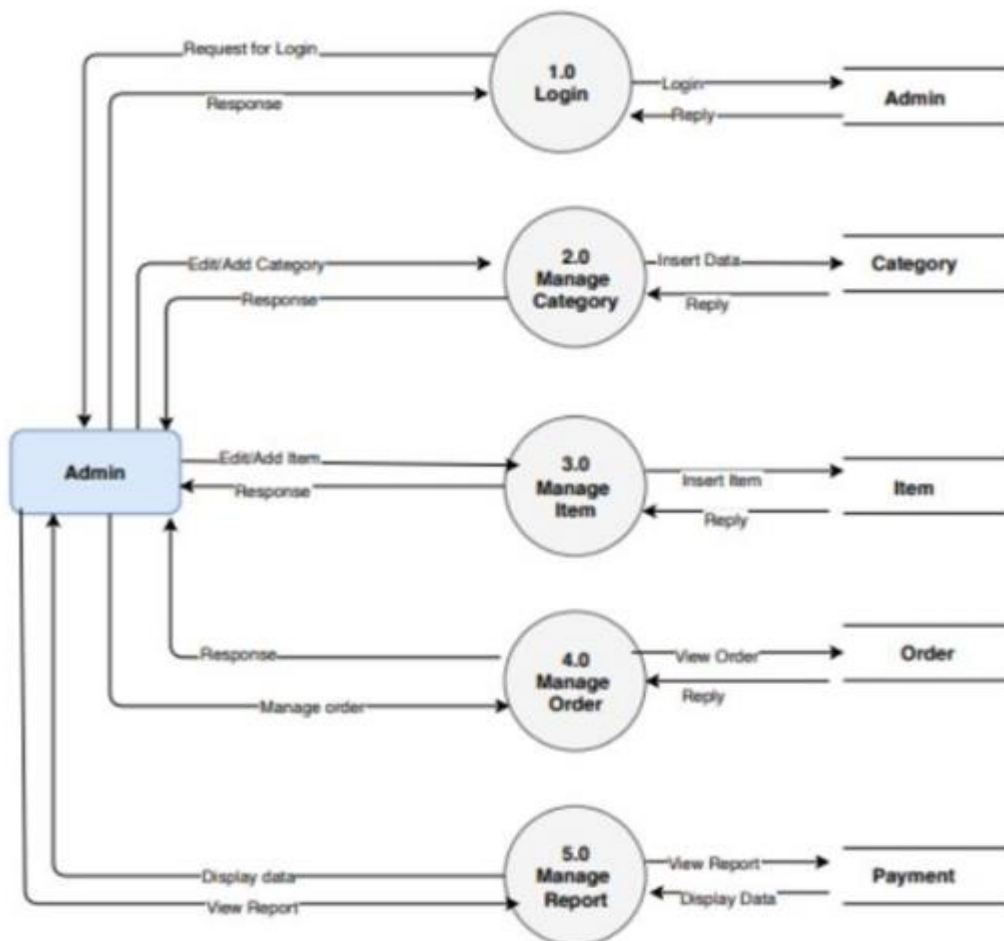


Fig 3.5.2 Level DFD: Admin side

2nd Level DFD: Admin Side (3.0)

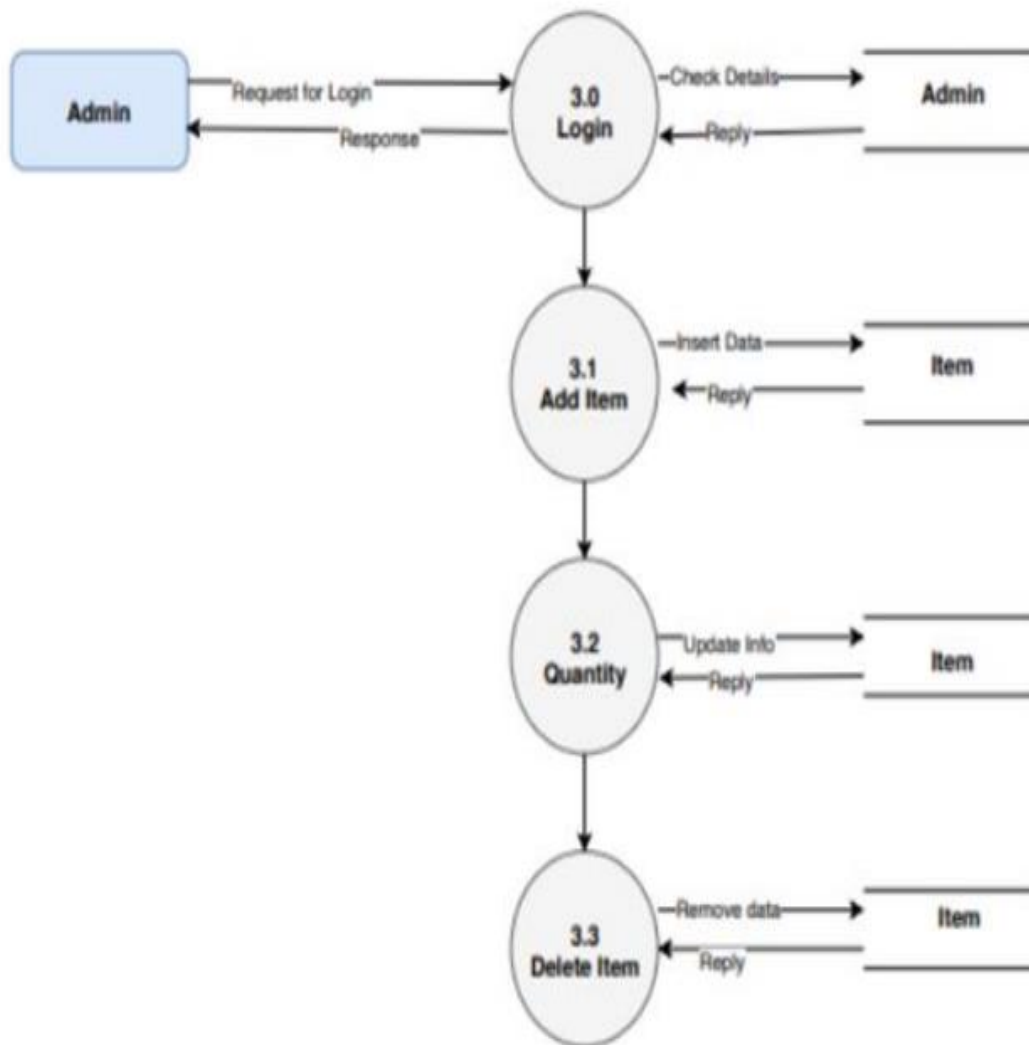


Fig 3.5.3 Level DFD: Admin side (3.0)

2nd Level DFD: Admin Side (4.0)

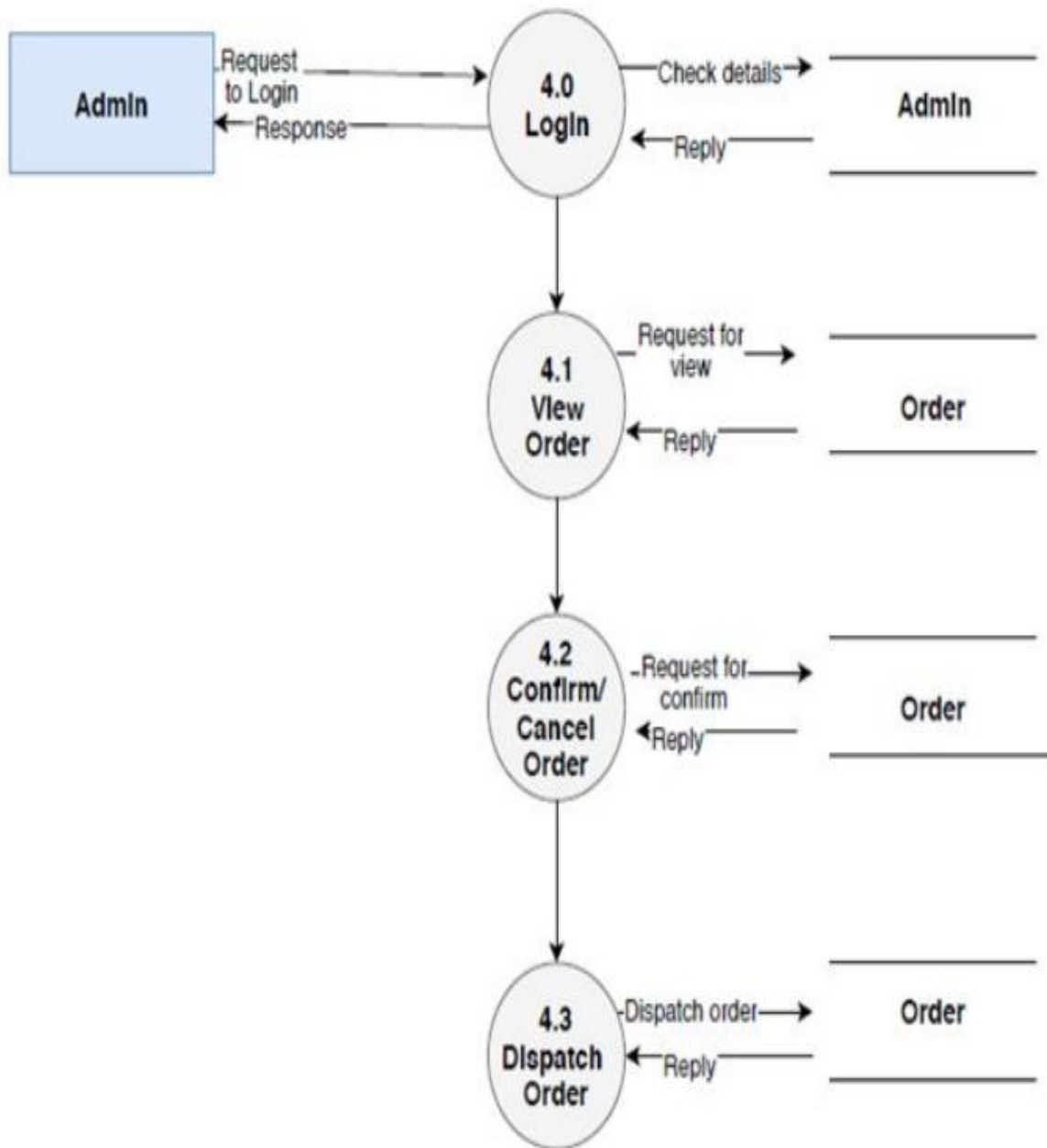


Fig 3.5.4 Level DFD: Admin side (4.0)

1st Level DFD: User Side

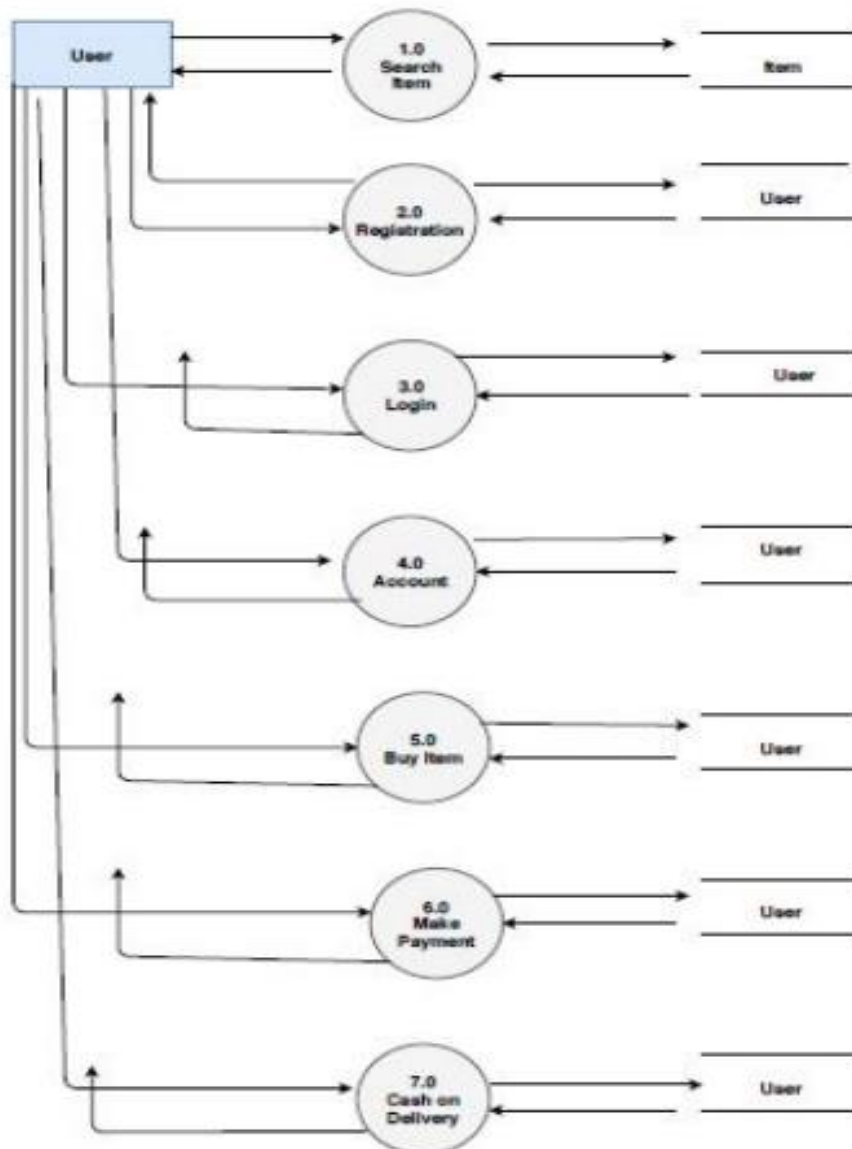


Fig 3.5.5 Level DFD: User side

2nd Level DFD: User Side

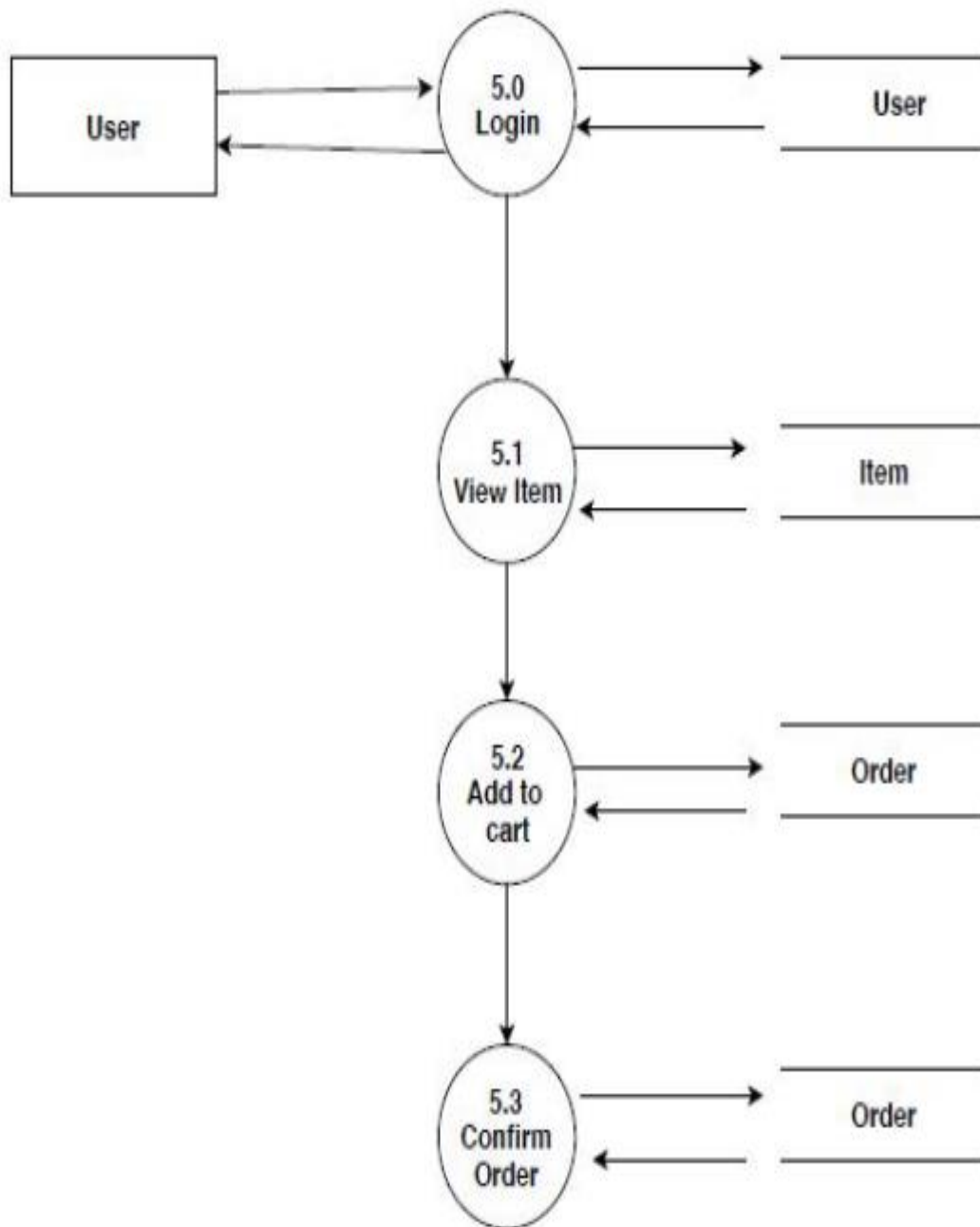


Fig 3.5.6 Level DFD: User side

Chapter 4

Workflow

4.1 Workflow

- Home Page
- Registration
- Login
- View Recipe
- Add Recipe
- Manage Recipe
- Add Ingredient to Shopping cart
- Add, update and delete ingredient in shopping cart
- Save Recipe
- Logout

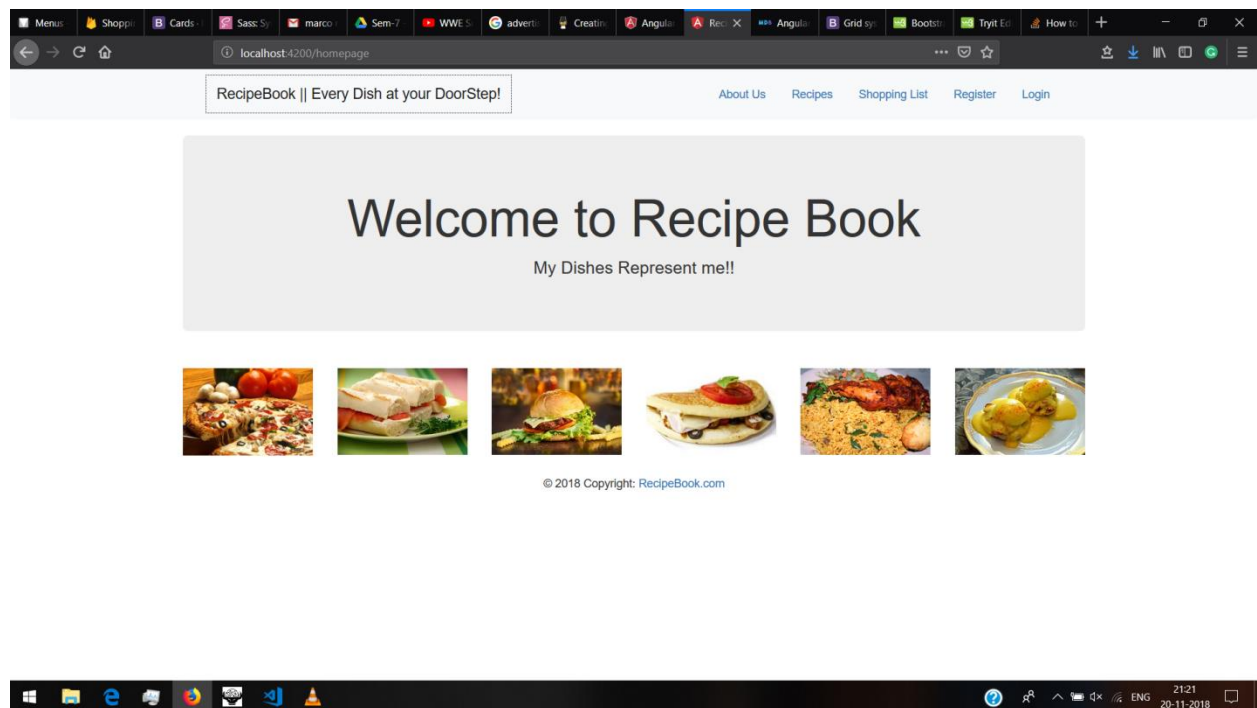


Fig. 4.1. Homepage

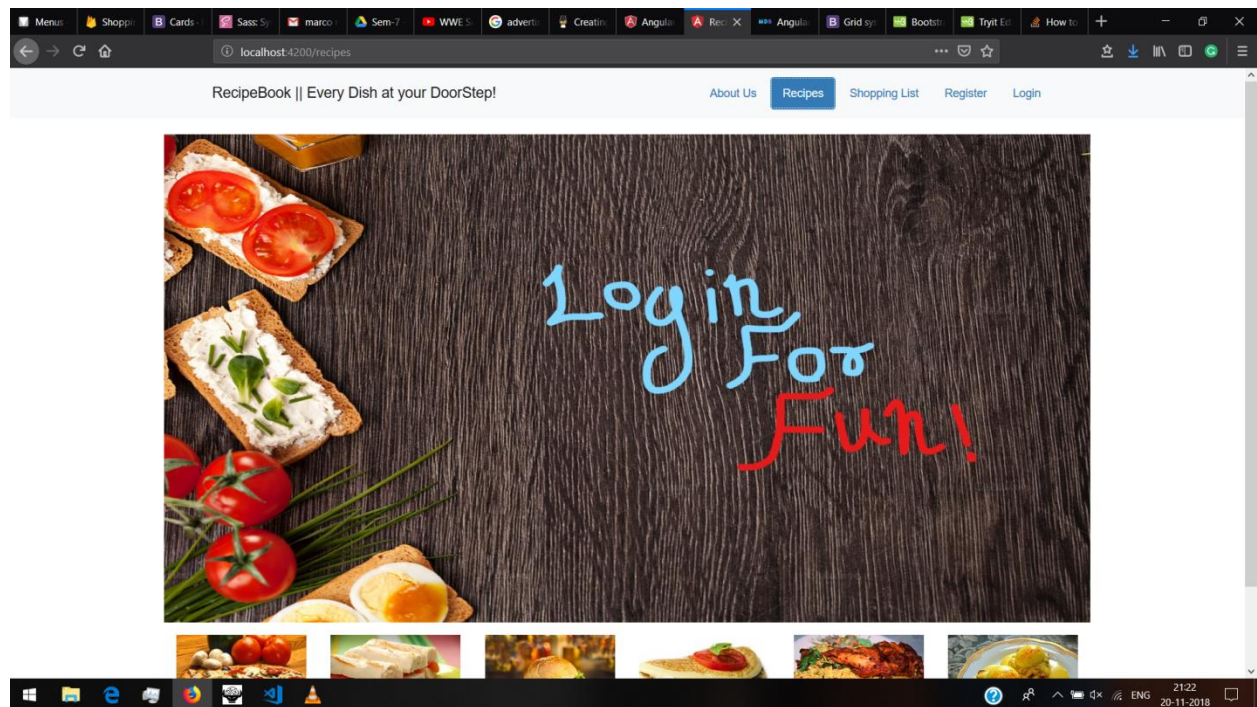


Fig. 4.2. Recipe Page without authorization

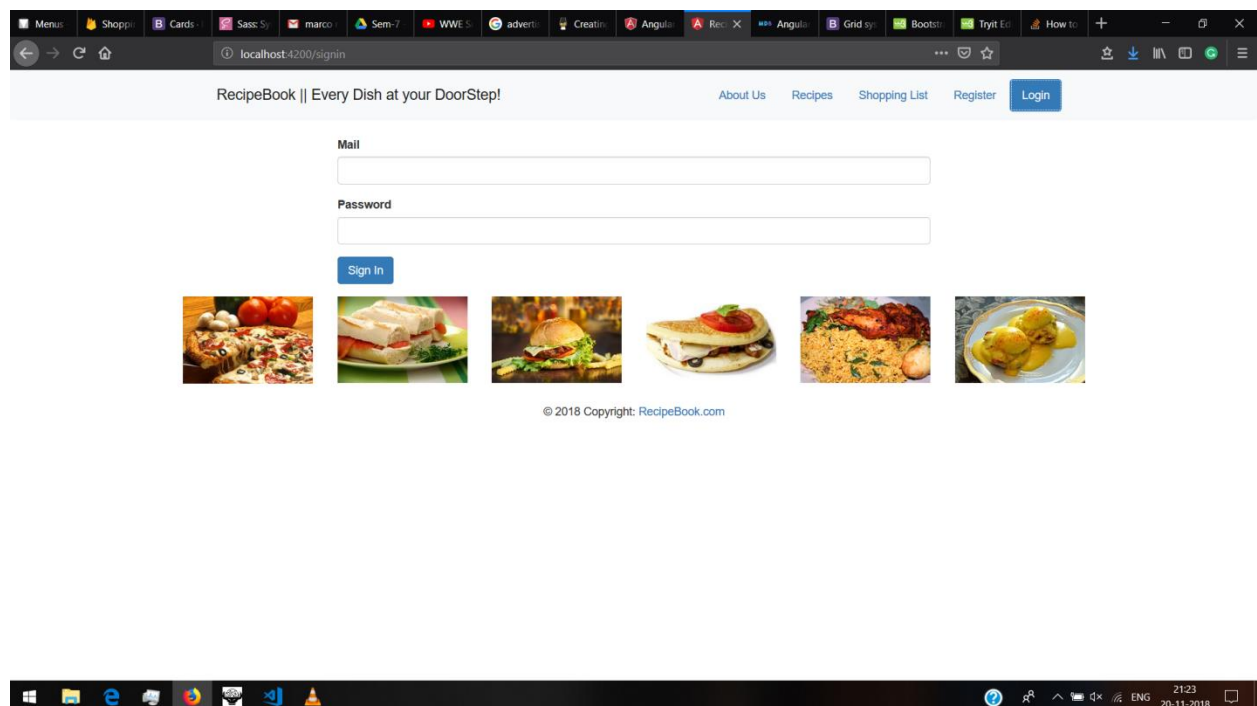


Fig. 4.3. Sign In Page

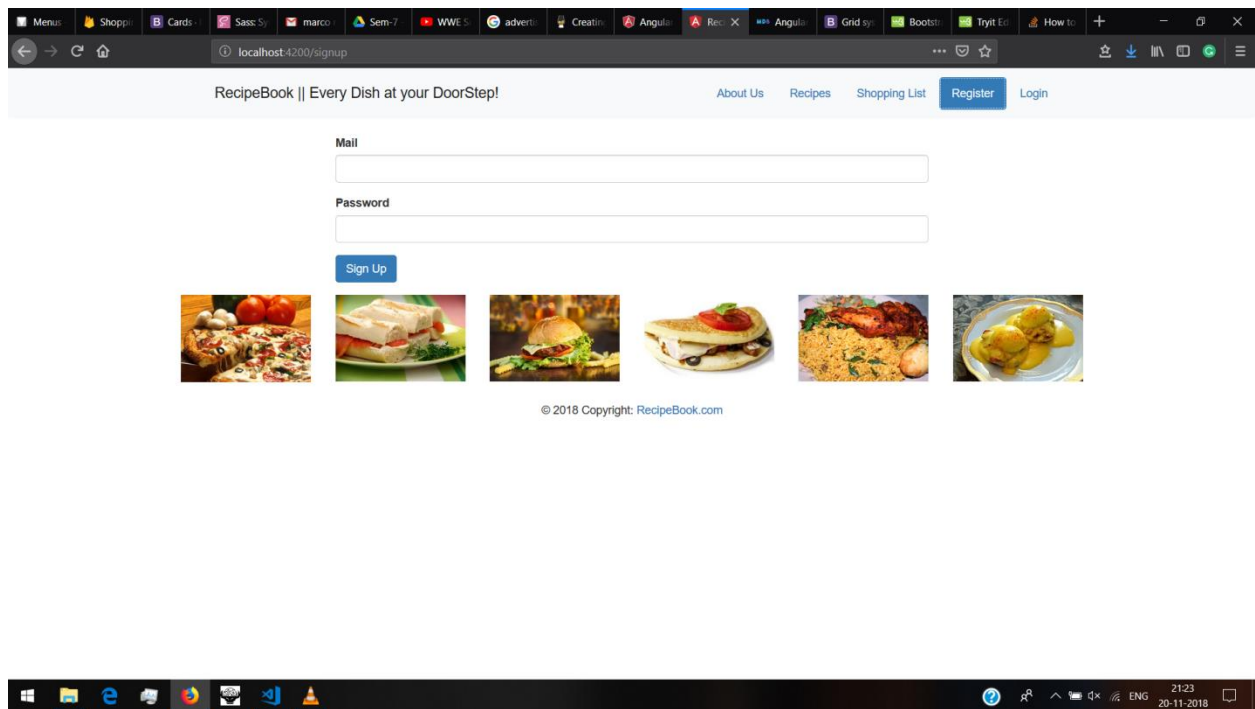


Fig. 4.4. Registration Page

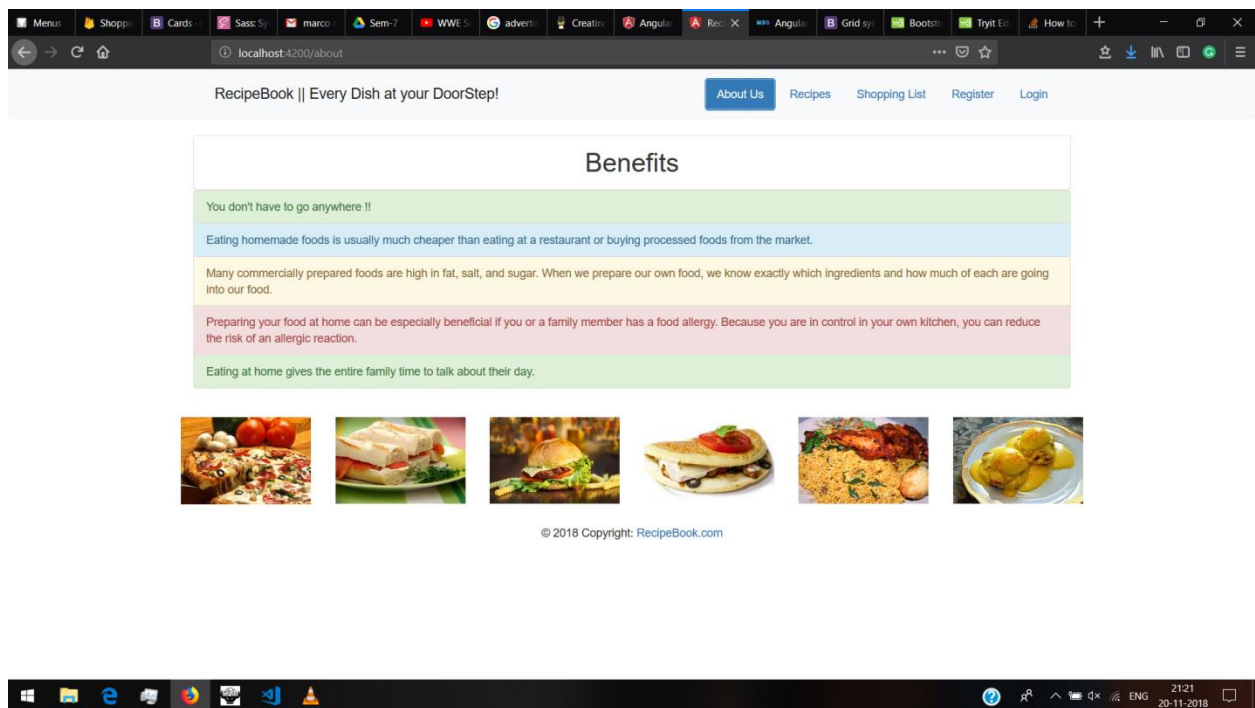


Fig. 4.5 About Us Page

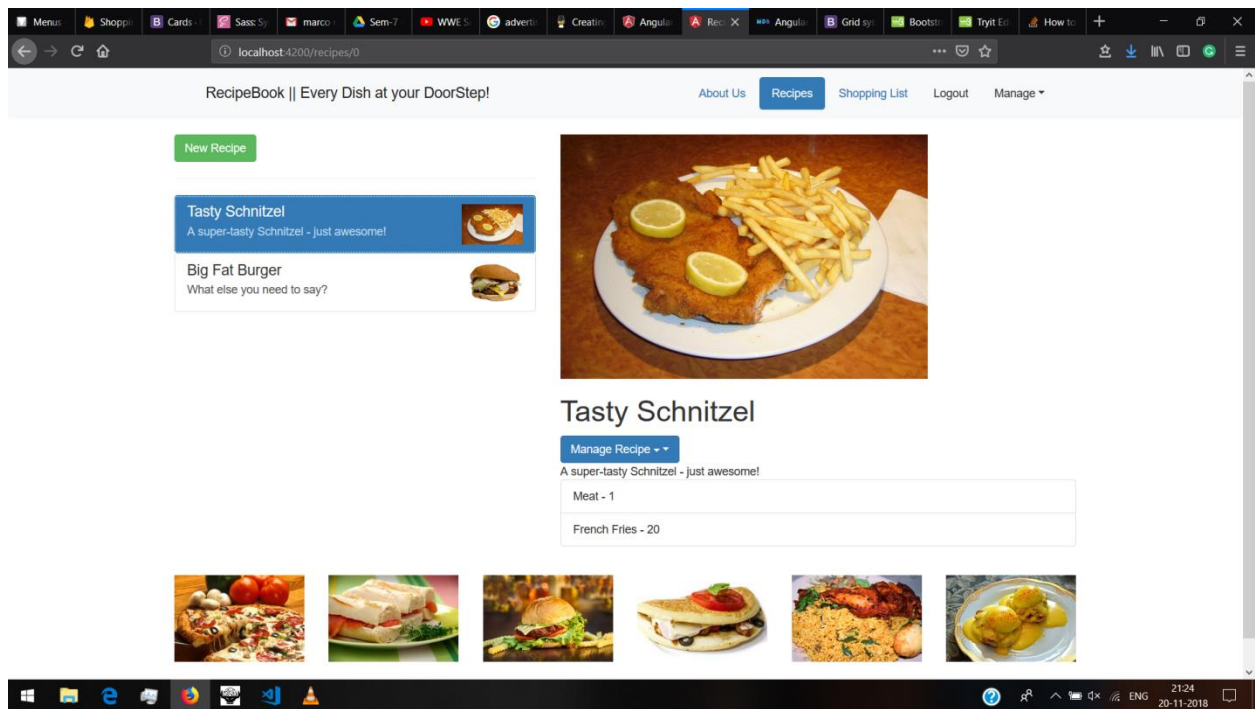


Fig. 4.6. Recipe page after authorization

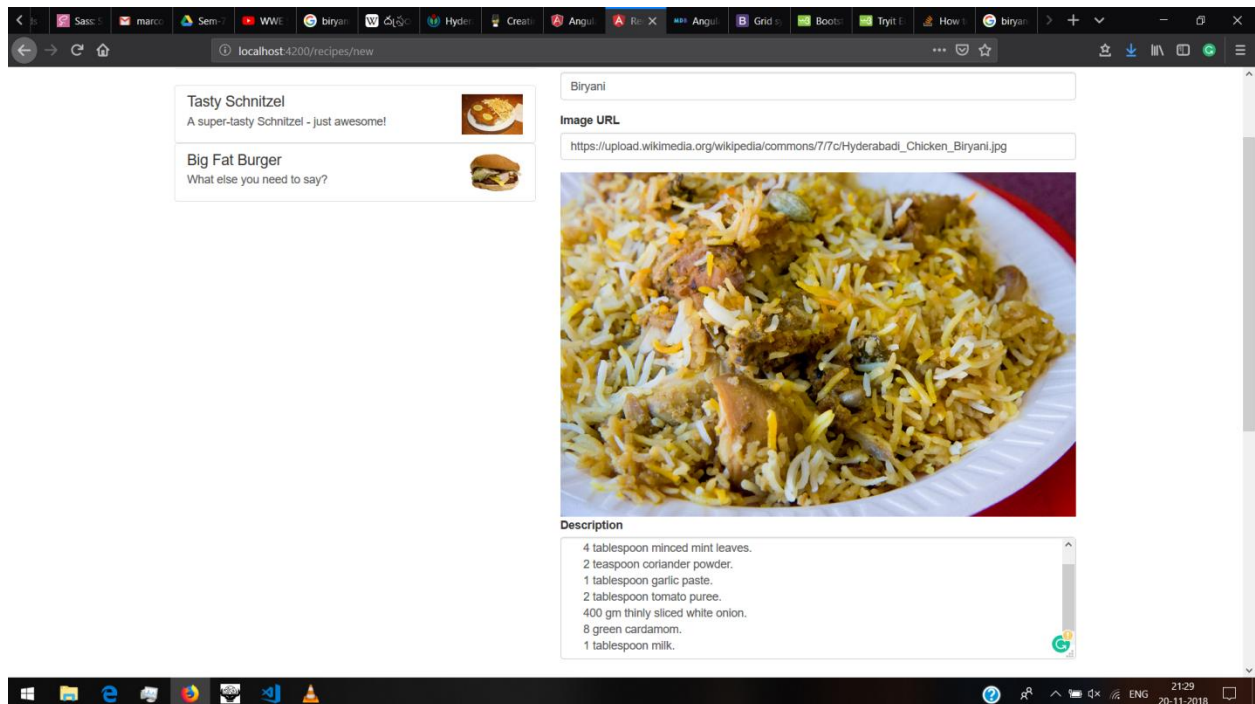


Fig. 4.7. Add New Recipe Component

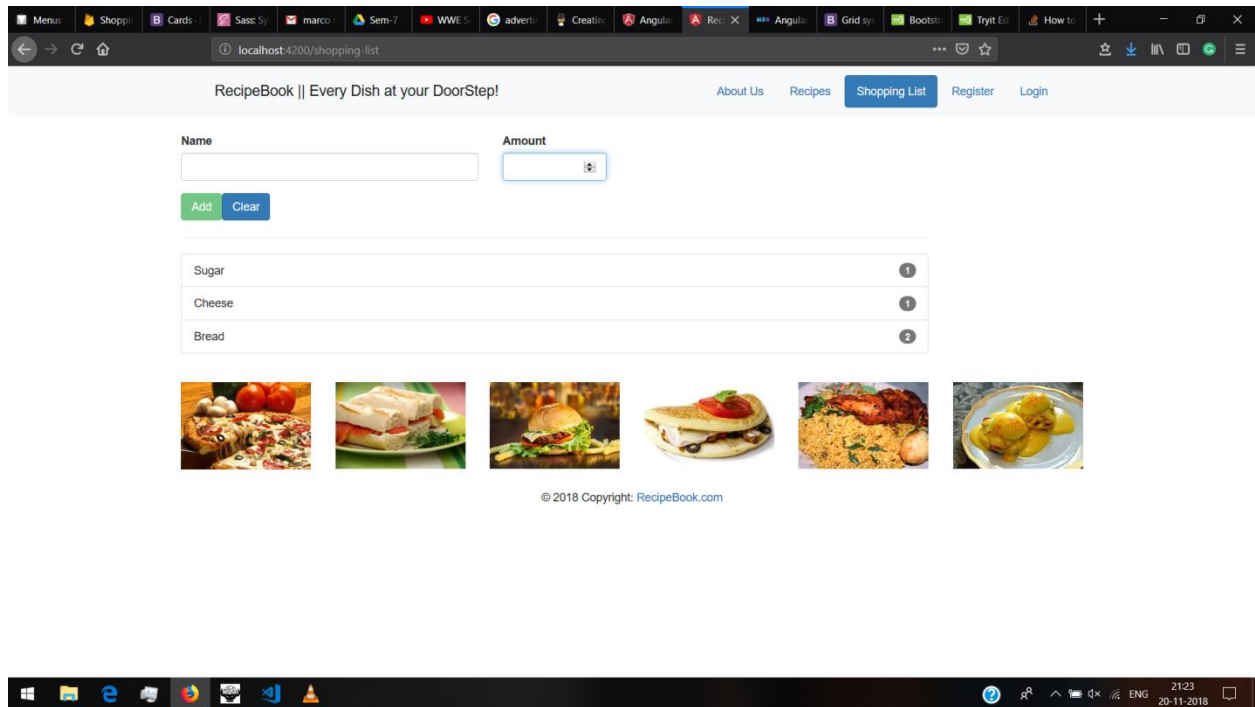


Fig. 4.8. Shopping Cart

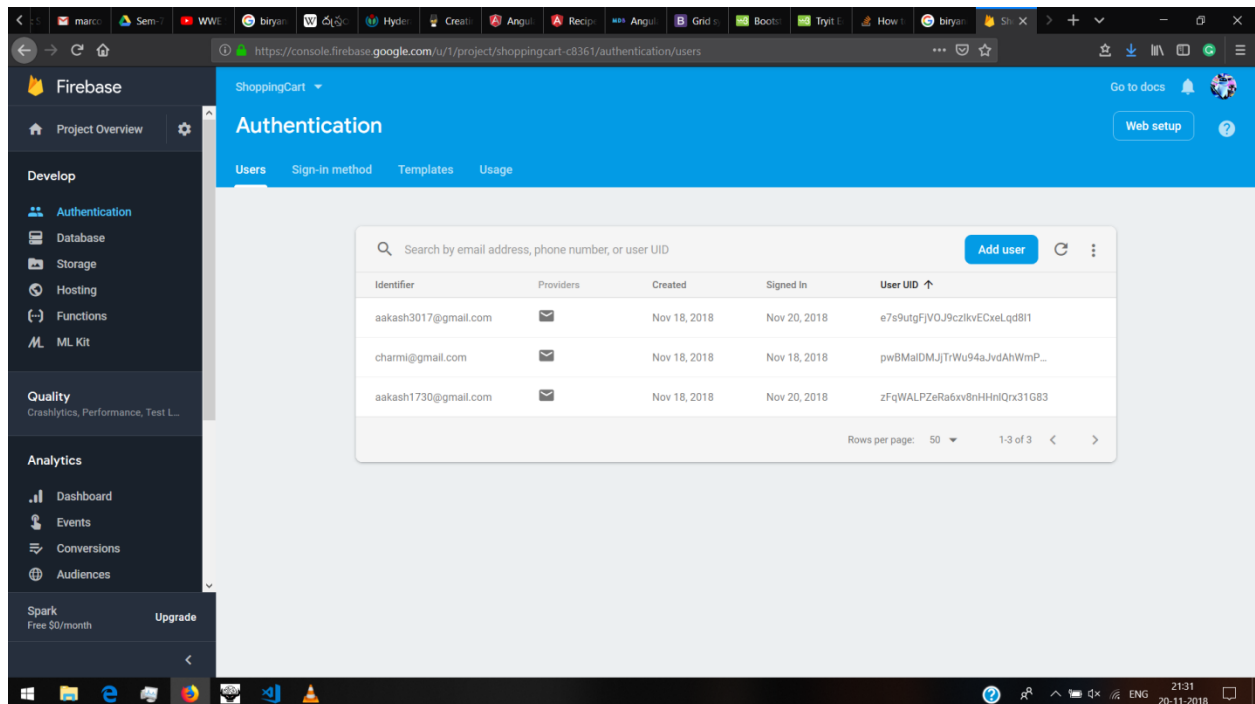


Fig. 4.9. Firebase Authenticated user page

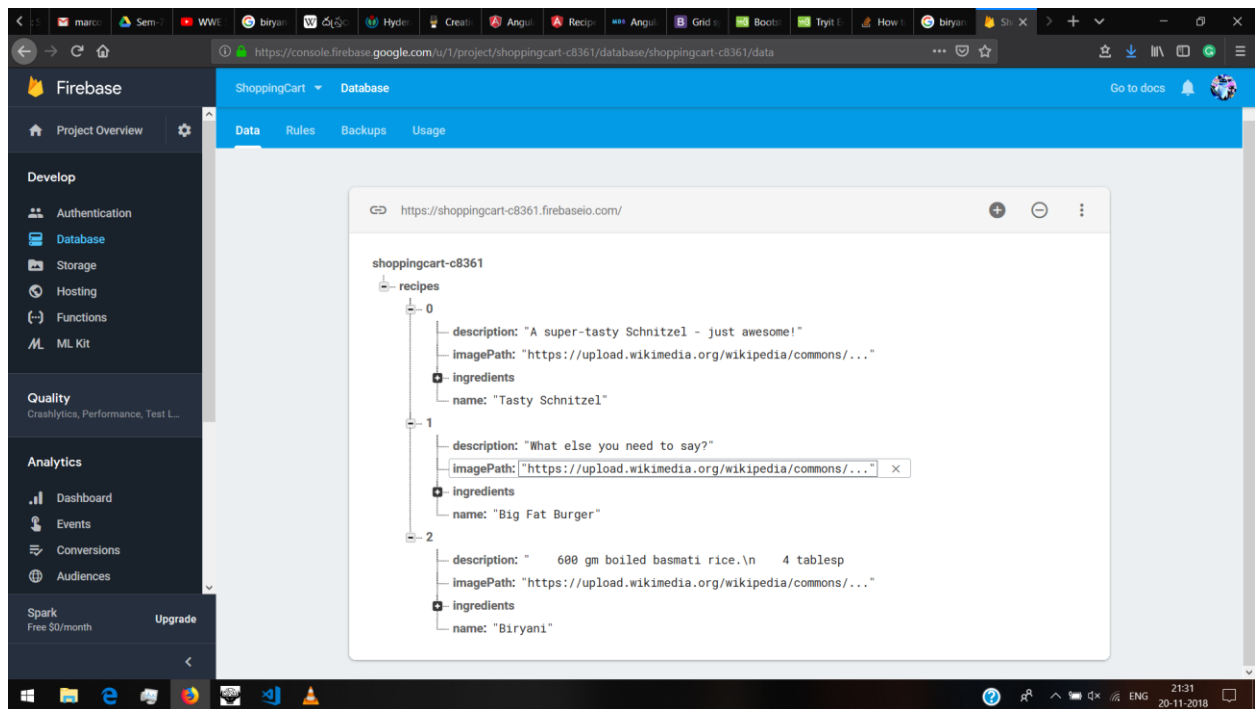


Fig. 4.10. Real time Database

Chapter 5

Conclusion

5.1 Conclusion

As in this modern world, each minute is valuable for us so, the Smartphone saves our estimable time. Shopping Cart provide one platform to read new recipe and add new recipe. This website is really helpful to “Mothers” who liked to make new dishes and try them. This is easy to use.

5.2 References

1. Angular 6 by Example: Get up and running with Angular by building modern real-world web apps, 3rd Edition

Appendix – A List of Useful Websites

1. <https://www.w3schools.com>
2. <https://firebase.google.com>
3. <https://mdbootstrap.com/docs/>
4. <https://getbootstrap.com/docs/>