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Project Title

Helping hand Auctions

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APPROVAL

This thesis titled on “**Helping Hand Auctions (Bangladesh Perspective)** ”, submitted by **Naznin Naher Akhi, 161-35-1540** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfilment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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DECLARATION

Declareration

I hereby declare that I have taken this project under the supervission of **Nusrat Jahan**, Senior Lecturer, Department of Software Engineering, Daffodil International University. I also decleare that neither this project nor any part of this report has been submitted else where for any degree or award.

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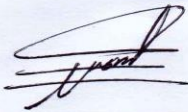
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ABSTRACT

The buying and selling products and services by business and consumers through an electronic medium, without using any paper documents. Consumers looking to purchase products visit the site and search the available products. The consumer purchases the products and the seller is responsible for delivering the product. The business that plays the middleman usually requires a transaction fee from either the seller or buyer

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Chapter-1: Introduction

1. INTRODUCTION

1.1. ProjectOverview

In our country farmers face problems to selling products and general people face problem to find authentic food or poison free food stuff. Usually farmers suffer a lot to selling their products in market place, they don't get enough price or wages for their hard work. This kind of marketing is very much time consuming and costly for farmers. Now farmers can easily sell their products and people can find their authentic production through online. Find authentic food stuff is a process of organizing the searching information easily. It provides the scope for farmers and people such as buying and selling products from this site.

1.2. The Purpose of the project

The buying and selling products and services by business and consumers through an electronic medium, without using any paper documents. Farmers will be able to earn more at a lower cost.

1.2.1. Background of the project Effect

There is a common problem most of the people in Bangladesh are to find to finding authentic food stuff in market place. It is very much time consuming and costly for people. The majority of our people finding food at local market in Dhaka city. There have some website in our country [1] chaldal.com [2] Bikroy.com etc. I want to developed a website find authentic village food stuff and add some new features in future .People can also reviews their products if the product is bad in quality. People can also verify seller's information through agents.

1.2.2. Goals of the projects

Helping hand auctions System will be used to buying and selling food products. Admin will use it to maintain the system and they will access all the function in this system. Helping hand auctions will provide different facilities to a farmers, people. It is too fast and safe process. People are search for products and manage their account. Farmers sell their products and manage their account. Using this system people easily find authentic food stuff and farmers can easily sell their products. It also save time and cost. All this data is logged in the database.

1.3 Beneficiaries and Benefitsfor SME Seller and Buyer

This projects are mainly beneficiaries for farmers and peoples. Benefits are,

- Helping hand auctions is fully functional and flexible.
- It is very easy to use.
- It saves a lot of time, money.
- People can easily search their desirable products.
- Admin keep the users record
- Farmers can easily sell their products and people can find their authentic production through Helping hand auctions.

Chapter-2: Project Planning

2. PROJECT PLANNING

2.1. Project Scenario

The buying and selling products by business and consumers through an electronic medium, without using any paper documents. Consumers looking to purchase the products and seller is responsible for delivering the product. SME seller log in to the system. System will show the home page where everyone's posted post will be shown. The seller will select the auctions option to sell his product and fill up all the requirements. System will show the selling products in home page. After successfully posted, SME buyer will log in the system and choose his/her desirable products. Then buyer bid the products with his expected values. Bided products will be show in purchase bid option. If the seller gets the value of his product exactly then he will approve the request of the buyer.

After approving, admin locked the products bid in trade list that no one can bid/purchase the products. Buyer send money receipt of band and then admin will give permission to ship that product.

2.1.1. Scenario 1:- User (Admin) Based

Rafiq is one of the systems operating admin of Helping Hand Auctions. She can manage the system.

- He login to the system.
- He can see the Buyer and seller account information.
- He can see seller's post for their products.
- He can delete products categories and also delete their account.

- He can add products categories.
- He can see all the comments in control panel.
- He can add or delete roles of the stakeholders.
- Then he can log out from the system.

2.1.2. Scenario 2:- User (Seller) Based

Abdul is a farmer who wants to sell his products. That's why she decided to visit this site.

- Abdul registered in the system.
- He login to the system.
- He can see auctions goods and search by his needs.
- He can edit her profile, reset password, publish her circular for find tutor and he can edit and delete her auctions.
- He create new auction to sell his products.
- He can also delete or edit that auctions.
- Then he can log out from the system.

2.1.3. Scenario 3:- User (Byer) Based

Aziz is a tutor who wants to buy products for his child from Helping hand Auctions that's why he decided to visit this site.

- Aziz registered in the system.
- He login to the system.
- He can see all posted auctions and search by her needs.
- He can edit her profile, reset password, purchase his products for buy them and he can bid that products.
- Then he can log out from the system.

2.2. Stakeholders

2.2.1. The Admin

- Delete post
- Delete account
- View user auctions
- View user account information
- Create categories

- Create roles

2.2.2. The Seller

- View and Search auctions information
- Edit account, reset password.
- Add, delete, and edit auctions post for selling.

2.2.3. The buyer

- View and Search auctions of his desirable products.
- Buy their products at desirable price.
- Edit account, reset password
- Add, delete, edit circular for tuitions

2.3. Mandated Constraints

2.3.1. Budget Constraints

Primary budget – 15k

Yearly maintenance cost – 20k

Total estimated cost – 30k

2.4. Project Schedule

2.4.1. Gantt chart

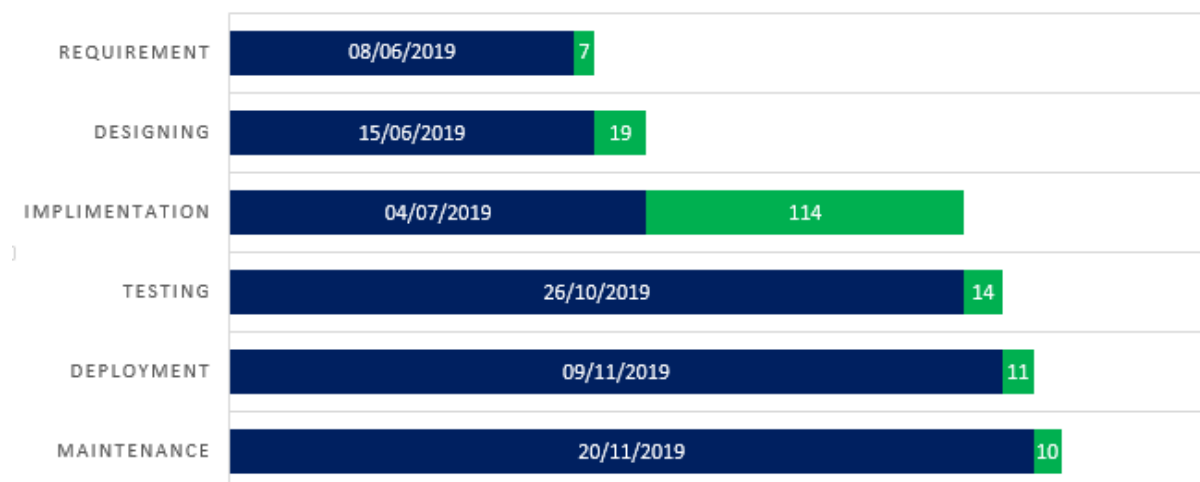


Fig-2.01: Gantt chart

2.4.2. Release Plan/Milestone

Table-2.1: Release Plan/Milestone

Task No	Task Name	Time
1	Requirements gathering and analysis	2 week
2	Project proposal	1 week
3	Database design	1 week
4	UI design	1 week
5	Implementing	2 week
6	Testing	2week
7	Evaluating the project	1week

CHAPTER 3-REQUIREMENTS SPECIFICATIONS

3. Requirements Specifications

3.1. Functionalities

Table-3.1: Functionalities

FRQ_ID	FRQ_Name	Description	Priority
FRQ-001	Registration	The module will provide the reports of the registered users	Medium
FRQ-002	Login(admin)	The module will provide the reports of the logged in users	High
FRQ-003	Login(user)	The module will provide the reports of the logged in users	High
FRQ-004	Search Auctions	The module will provide the reports of the searching buyer and seller	Medium
FRQ-005	Post products	The module will provide the reports of the Post products	Medium
FRQ-006	Add categories (Admin)	The module will provide the reports of addproducts Categories.	High

FRQ-007	Modify selling products(seller)	The module will provide the reports of modify selling products	Medium
FRQ-008	Delete selling products (seller)	The module will provide the reports of delete selling products	Medium
FRQ-009	Delete User account (admin)	The module will provide the reports of admin delete user account	Medium
FRQ-010	Manage account (user)	The module will provide the reports of manage account	Medium
FRQ-011	Reset password	The module will provide the reports of user reset password	Medium
FRQ-012	Buy products(user)	The module will provide the reports of users buying products	Medium

3.1.1. Registration (FRQ001)

Feature:

The module will provide the reports of the registered users. Adds new user. Report:

The module will provide the reports of the registered users. Adds new user.

3.1.2. Login - Admin (FRQ002)

Feature:

This system will be able to give permission to access the admin panel to the admin. Admin can access admin panel in the system.

Report:

The module will provide the reports of all the logged in admin.

3.1.3. Login - user (FRQ003)

Feature:

This system will be able to give permission to access the website to the registered users. Prevent unregistered users to access the system.

Report:

The module will provide the reports of all the logged in users.

3.1.4. Search Auctions (FRQ004)

Feature:

The module will be available for all users.

Report:

The module will provide the report for the searching auctions details of the system.

3.1.5. Post products (FRQ005)

Feature:

The module will be available for sellers.

Report:

The module will provide the report for the posting auctions details of the system.

3.1.6. Add categories (Admin) (FRQ006)

Features:

This module will be added by Admin.

Report:

The module will provide the report of add their circular.

3.1.7. Modify selling products (user) (FRQ007)

Features:

This module will be updated by user.

Report:

The module will provide the report of updated their own selling products.

3.1.8. Delete selling products seller (FRQ008)

Feature:

This module will be updated by admin.

Report:

The module will provide the report for delete selling products.

3.1.9. Delete User account (admin) (FRQ009)

Feature:

This module will be updated by admin.

Report:

The module will provide the report for delete user account.

3.1.10. Manage account (user) (FRQ010)

Feature:

This module will be updated by user.

Report:

The module will provide the report for update their profile.

3.1.11. Reset password: user, admin (FRQ011)

Feature:

The module will be available for the reset password users and admin.

Report:

The module will provide the report for the reset password.

3.1.12. Logout: Admin Logout, user Logout

Feature:

This software will be able to close the connection between user and system. All users can't access the system any further when they are logged out.

Report:

The module will provide the report for the logged in and logged out users in the system. Give information to the system that users don't have any permission to access the system now. Just they can view the site.

3.2. Data Requirements

Table-3.2: Data Requirements

No	Description
01	Admin have to insert the login credentials accurately otherwise system will show an error with message.
02	App users have to insert the registration credentials accurately otherwise the app will show an error with message.
03	App users have to insert the login credentials accurately otherwise the app will show an error with message.

3.3. Performance Requirements

It's very important to maintain the performance of the project. To ensure a good performance, this project have to meet some requirements which will ensure a good performance.

3.3.1. Speed and Latency Requirements

Table-3.3: Speed and Latency Requirements

No	Description
01	The system should load the data from server in maximum 2 second.
02	The system should upload the data to the server in maximum 1 second.
03	The system must have a high speed of manipulation data and reply to the user request.

3.3.2. Precision or Accuracy Requirements

Table-3.4: Precision or Accuracy Requirements

No	Description
01	The input data should be validate when User or admin provide data to the system

3.3.3. Capacity Requirements

Table-3.5: Capacity Requirements

No	Description
01	The system will manage all the inserting data in database.
02	The server database size must be able to load the system data.

3.4. Dependability Requirements

3.4.1. Reliability Requirements

Table-3.6: Reliability Requirements

No	Description
01	The Message must be depend on the insertion of new data in the server

3.4.2. Availability Requirements

Table-3.7: Availability Requirements

No	Description
01	The system should work 24 hours a day
02	The system must be updated regularly

3.4.3. Robustness or Fault-Tolerance Requirements

Table-3.8: Robustness or Fault Tolerance Requirements

No	Description
01	If the system has been crashed, it should not be more than an hour.

3.4.4. Safety-Critical Requirements

No visible safety-critical requirements

3.5. Maintainability and Supportability Requirements

3.5.1. Maintenance Requirements

Table-3.9: Maintenance Requirements

No	Description
01	The system maintenance should be quick
02	System helps to update the accounts information and member info at any time.

3.5.2. Supportability Requirements

Table-3.10: Supportability Requirements

No	Description
01	The system maintenance should be quick
02	System helps to update the accounts information and member info at any time.

3.5.3. Adaptability Requirements

No visible adaptability requirements

3.5.4. Scalability or Extensibility Requirements

No visible adaptability requirements

3.6. Security Requirements

3.6.1. Access Requirements

Table-3.11: Access Requirements

No	Description
01	To get access to the system, the system provides authorization/authentication way.

3.6.2. Integrity Requirements

To protect credentials of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly reduces the value of stolen user credentials, it's not easy to decrypt the password.

3.6.3. Privacy Requirements

Table-3.12: Privacy Requirements

No	Description
01	All private data will be protected

3.7. Look and Feel Requirements

3.7.1. Appearance Requirements

Table-3.13: Appearance Requirements

No	Description
01	The user interface must be attractive
02	The user interface must be user friendly
03	The user interface must be user interactive

3.7.2. Style Requirements

Table-3.14: Style Requirements

No	Description
01	The styling of the elements of the web based user interface will be defined using CSS, JavaScript and bootstrap

CHAPTER 4 -SYSTEM ANALYSIS & DESIGN

4. SYSTEM ANALYSIS AND DESIGN

4.1. Use Case

A use case diagram is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify and organize system requirements.

4.1.1. Use Case diagram

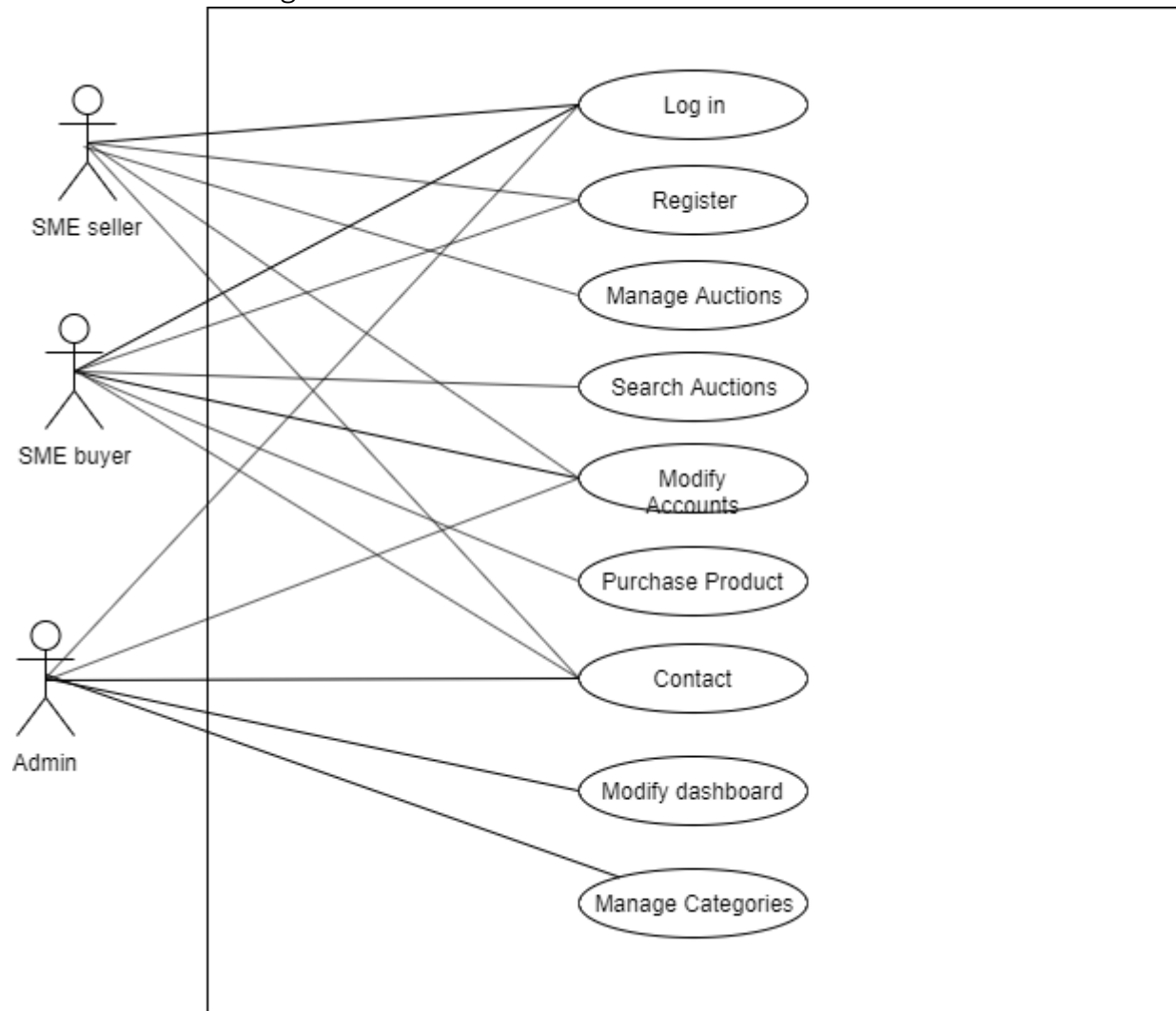


Fig-4.01: Use Case Diagram of Helping Hand Auctions

4.1.1.1. Register

Table 4.1: Register

Use case no	UC1.0	
Use case name	Register	
scenario	Create a user (SME Seller, SME Buyer)	
Brief description	SME Seller and SME Buyer give their information in this web site. Full Name, country ,city , Contract information etc.	
Actors	SME Seller, SME Buyer	
precondition	Click registration form and user must be exist	
Post conditions	System will show success message when all data should be saved in database.	
Flow of event	Actor System	
	1.click to open registration form	
	2.provide information 3.submit register button and complete registration	2. 1.check information validity 3. 1.show registration success message and store data in database
Exception conditions	2.1 If validation is not right then it will show message	

4.1.1.2 Login

Table 4.2: Register

Use case no	UC2.0	
Use case name	Login	
scenario	All user need to login this web site.	
Brief description	User enter Username and password to enter in this web site	
Actors	SME seller, SME buyer	

precondition s	User must be registered.	
Post conditions	System will show Home page when all user successfully logged in.	
Flow of event	Actor	System
	1.Enter username and password.	1.1 check validation if username is empty
	2.Enter log in button	
Exception conditions	2.1 If username and password are not exist system will show wrong password.	

4.1.1.3 Manage Auctions

Table 4.3: Manage Auctions

use case no	UC3.0		
Use case name	Manage Auctions		
scenario	Manage new and existing auctions		
Brief description	Seller and admin must register and logged in this system. SME seller can create new auctions, edit and delete existing auctions. Admin moderate all this auctions management.		
Actors	SME seller and Admin		
preconditions	User must be complete registration and login, user must be exist		
Post conditions	Updated Auction list, Must be create a new auctions.		
Flow of event	ACTOR	SYSTEM	
	1. Create new auctions. 2. Submit save button and complete create new auctions. 3. User view their created auctions. 4. Click delete button and complete delete their auctions 5. Click Edit button and complete update their auctions.	1.1 check information validity 2.1 system show success message and store data in database 3.1 show auctions from database 4.1 system delete auctions and show successfully deleted message 5.1 system update auctions and show successfully update message	

Exception conditions	2.1 If auctions is not submitted then it will show error message 4.1 If auctions is not deleted then it will show error message 5.1 If auctions is not updated then it will show error message		

4.1.1.4 Search Auction

Table 4.4: Search auctions

Use case no	UC4.0		
Use case name	Search Auctions		
scenario	All user can search Auctions from this web site		
Brief description	Users can searching auctions by product name and category name in the system.		
Actors	SME seller SME buyer Admin		
preconditions	Click search tutor form, user must be exist		
Post conditions	The information that the user will search with will be displayed		
Flow of event	ACTOR SYSTEM		
	1.EnterProduct Name and click search button 2. Select category and click search button	1.1show information which products search by user 2.1 show information which category search by user	
Exception conditions	1 .1 If selected Product Name not exist then do not show any information 2.1 If selected category not exist then do not show any information		

4.1.1.5 Manage categories

Table 4.5: Manage categories

use case no	UC5.0		
Use case name	Manage categories		
scenario	Manage new and existing Categories		
Brief description	Admin must register and logged in this system. Admin can create new categories, edit and delete existing categories. Admin moderate all this categories management.		
Actors	Admin		
preconditions	Admin must be complete registration and login, user must be exist		
Post conditions	Updated Category list, Must be create a new categories.		
Flow of event	ACTOR SYSTEM		
	1. Create new categories. 2. Submit save button and complete create new categories. 3. Admin view their created categories. 6. Click delete button and complete delete their categories 7. Click Edit button and complete update their categories.	1.1 check information validity 2.1 system show success message and store data in database 3.1 show categories from database 4.1 system delete categories and show successfully deleted message 5.1 system update categories and show successfully update message	
Exception conditions	2.1 If categories is not submitted then it will show error message 4.1 If categories is not deleted then it will show error message 5.1 If categories is not updated then it will show error message		

4.1.1.6 Modify Dashboard

Table 4.6: Modify dashboard

Use case no	UC6.0
Use case name	Modify dashboard
scenario	Admin need to login in admin panel
Brief description	Admin must be login and he can delete any control panel option. Admin can also create new users role.

Actors	Admin	
precondition	Admin must be login, user must be exist	
Post conditions	Updated control panel can also be modified by admin.	
Flow of event	ACTOR SYSTEM	
	1. Show control panel after admin log in the system. 2. Click any control panel option he can modify them. 3. Admin click on users option 4. System will show all users whole information. 5. Then admin can modify those user roles.	1.1 System display home page 2.1 system show existing information 3.1 show user account from database. 4.1. System can delete user role and show successfully deleted message.
Exception conditions	2.1 If notlogged in the system admin cannot see the control panel.	

4.1.1.7 Modify Account

Table 4.7: Modify Account

Use case no	UC7.0
Use case name	Modify Account
scenario	Manage SME seller and SME buyer account
Brief description	SME seller and SME buyer must register and logged in this web site. SME seller and SME buyer reset their password, view account and update their profile information.
Actors	SME seller and SME buyer
preconditions	Registration, login, user must be exist
Post conditions	Create Auctions , buy products for bidding Must be active account
Flow of event	ACTOR SYSTEM

	1.show user information 2.user reset password 3.user click update button and complete their information	1.1system display user information 2.1 system update password in database 3.1 system update information and show successfully update message
Exception conditions	1.1check validation for reset password 3.1 If information is not updated then it will show error message	

4.1.1.8 Purchase products

Table 4.8: Purchase products

Use case no	UC8.0	
Use case name	Purchase products	
scenario	SME buyer bids their desirable products and buy products.	
Brief description	SME buyer must register and logged in this web site. SME buyer search products and bid that products. If his bids amount is highest then h can buy his products.	
Actors	SME buyer	
preconditions	Registration, login, user must be exist	
Post conditions	Can bid More than one products.	
Flow of event	ACTOR 1.SME buyer logged in the system 2. Click desirable products. 3. Click bid button. 4.After completing bids, if the amount is highest he can purchase that products	SYSTEM 1.1Can't bid any products 2.1 System show all details information about that products. 4.1 If not get any successful message then he can't buy that products.
Exception conditions	1.1check validation for bidding 3.1 If information is not updated then it will show error message	

4.1.1.9. Contact

Table 4.9: Contact

Use case no	UC9.0	
Use case name	Contact	
scenario	SME buyer, SME seller and admin can contact with each other through commentbox.	
Brief description	SME buyer, SME seller and admin must register and logged in this web site. If SME buyer have any problem or any queries about that products then he can comments and also give rating.	
Actors	SME buyer, SME seller and admin	
preconditions	Registration, login, user must be exist	
Post conditions	Successfully contact with each other	
Flow of event	ACTOR SYSTEM	
	1.SME buyer, admin and SME seller logged in the system 2. Write comments on comments section. 3. System will show all comments in comments sections.	1.1Can't bid comments on comment box
Exception conditions	1.1check validation forCommenting. 3.1 If information is not updated then it will show error message	

4.1.2. Use case: Admin

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not to be human: An actor might be a person, a company or organization, a computer program, or a computer system hardware, software, or both. Actors are always stakeholders, but not all stakeholders are actors, since they never interact directly with the system, even though they have the right to care how the system behaves. For example, the user of the system.

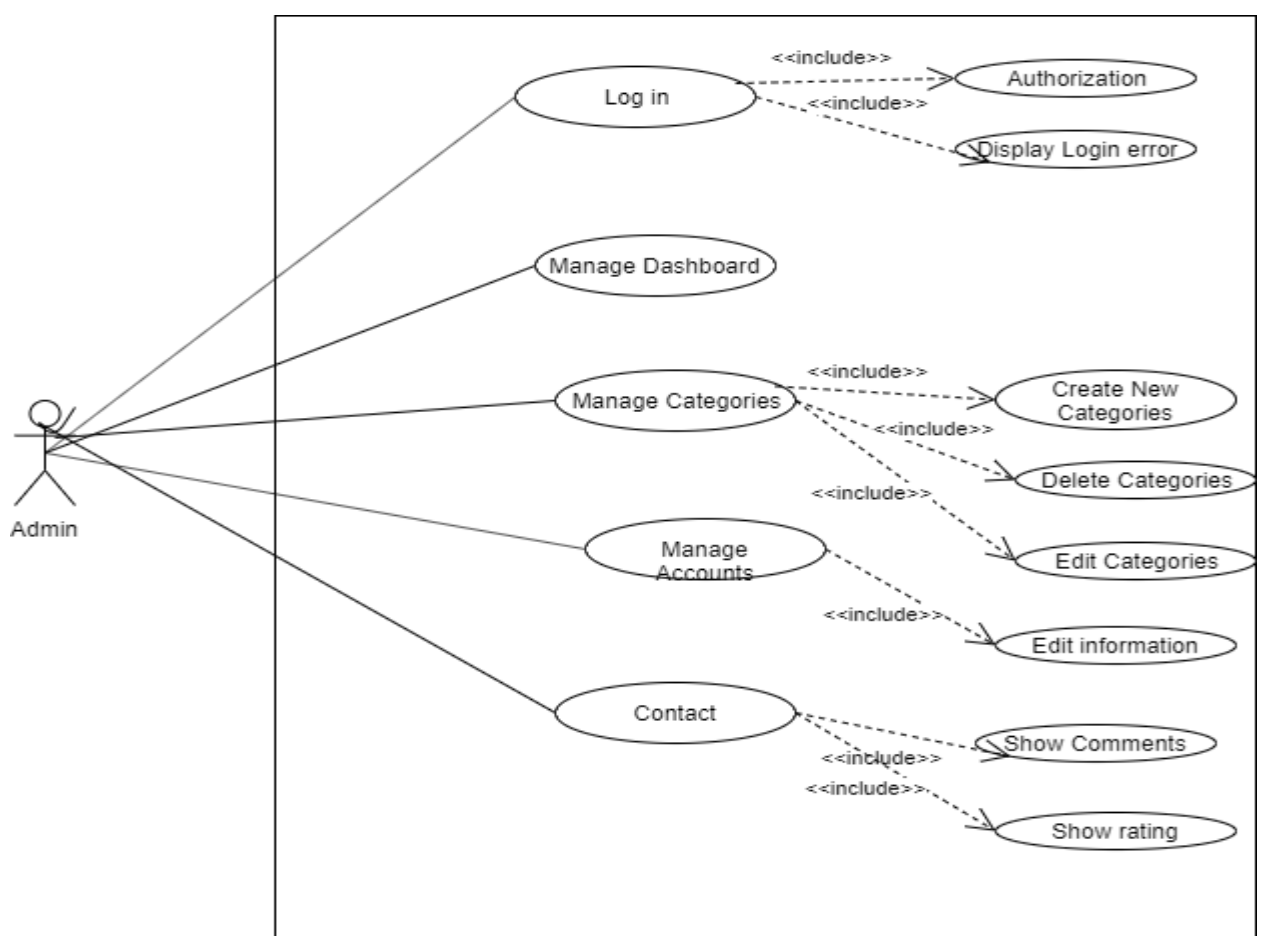


Fig-4.02: Actor Perspective Use Case Admin

4.1.3. Use case: SME Seller

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not to be human: An actor might be a person, a company or organization, a computer system hardware, software, or both. Actors are always stakeholders, but not all stakeholders are actors, since they never interact directly with the system.

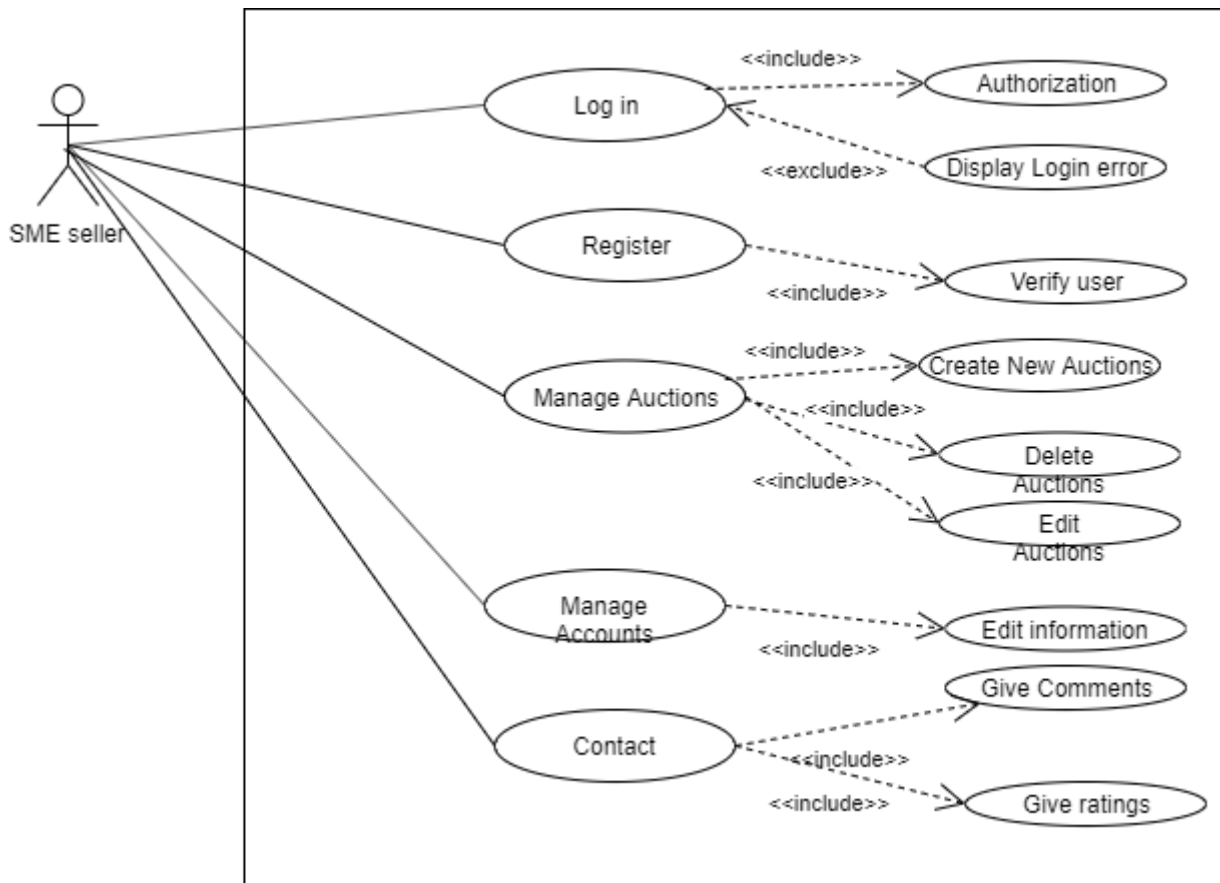


Fig-4.03:
Actor
Perspective
Use Case
SME seller

4.1.4. Use case: SME Buyer

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not to be human: An actor might be a person, a company or organization, a computer program, or computer system hardware, software or both. Actors are always stakeholders, but not all stakeholders are not actors, since they never directly interact with the system.

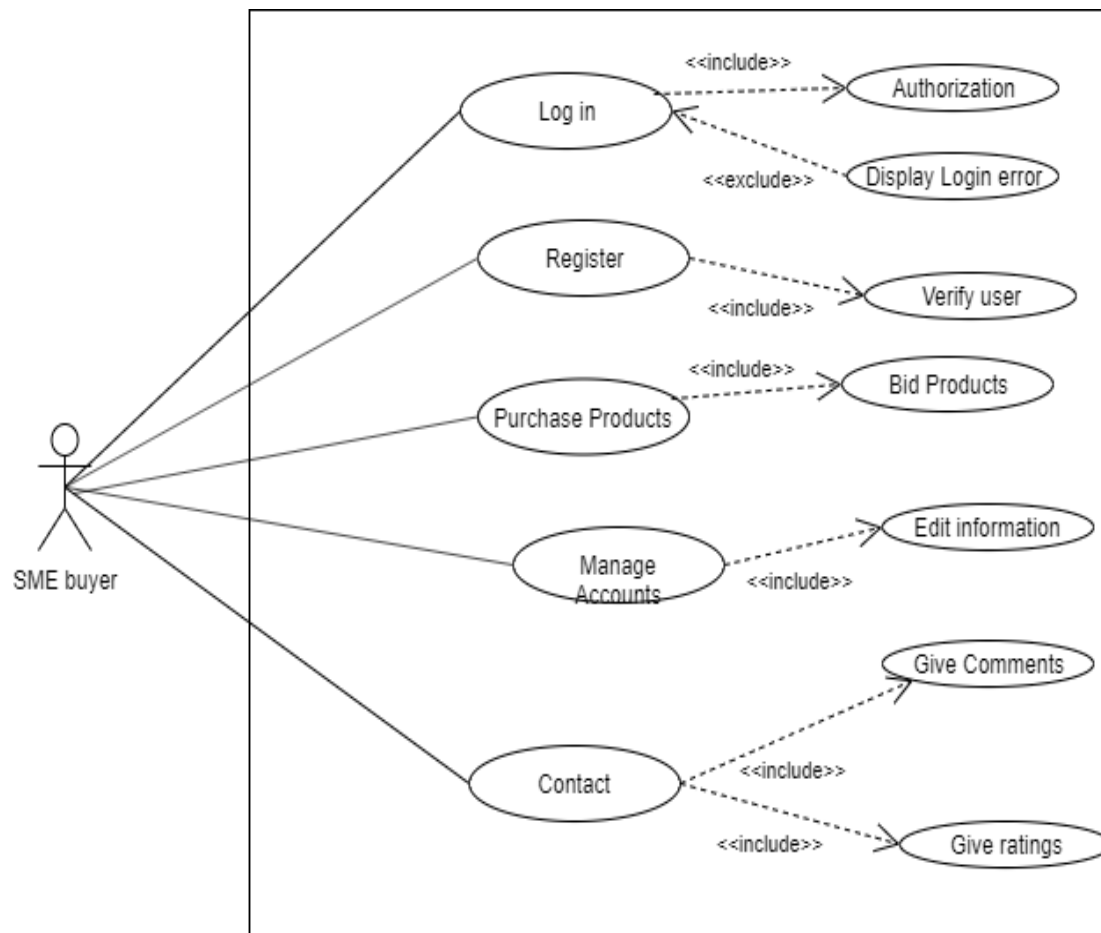


Fig-4.04: Actor Perspective Use Case SME buyer

4.2. Activity Diagram

Activity diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be describe as an operation of the system.

4.2.1. Login

User Log in to the system with his valid email and password. If the email or username are wrong then system will show error message.

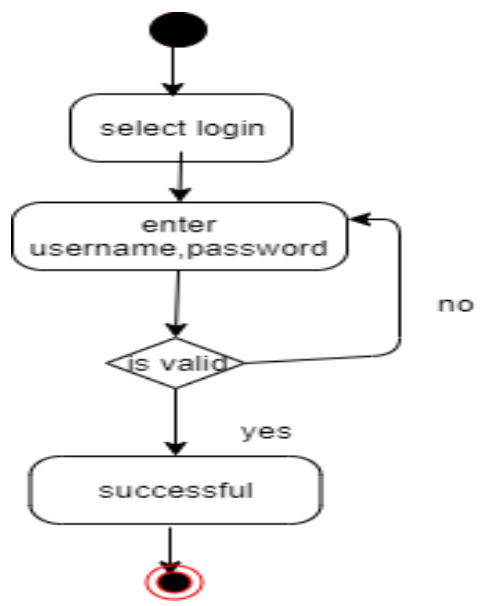


Fig-4.05: Log in Activity Diagram

4.2.2. Registration

To continue log in process user have to register in this website. User will fill up all the field in registration page.

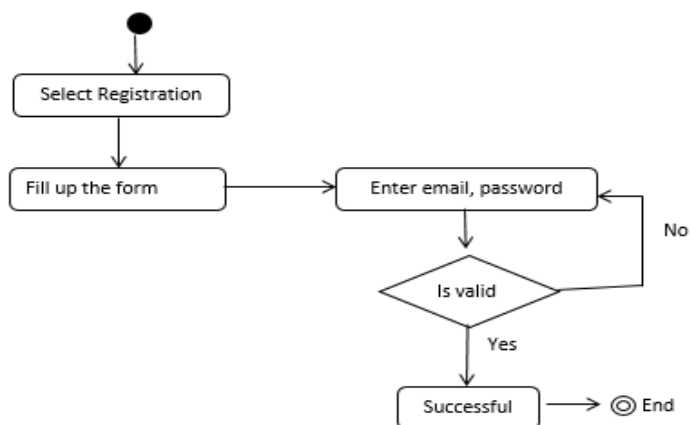


Fig-4.06: Registration Activity Diagram

4.2.3. Manage Accounts:

After login to the system, user can manage his account information. He can update his personal information.

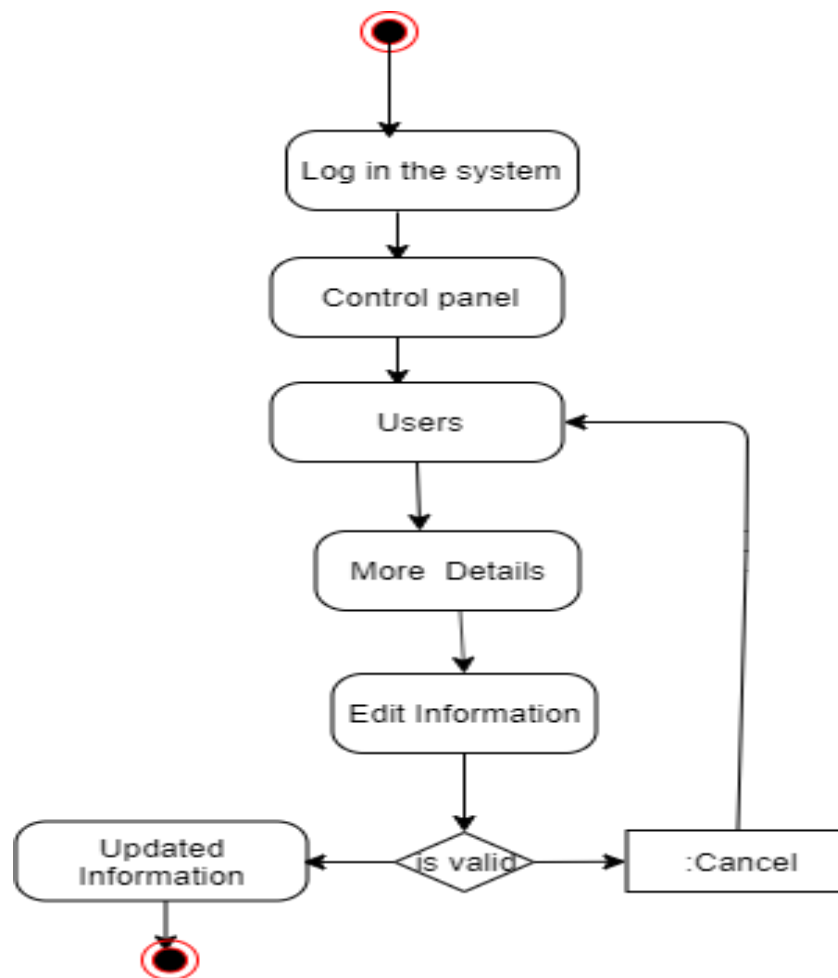


Fig-4.07: Manage Accounts Activity Diagram

4.2.4. Manage Categories

Admin will add new type of categories in categories page. So that user can easily create new auctions and buyer can easily find his own product.

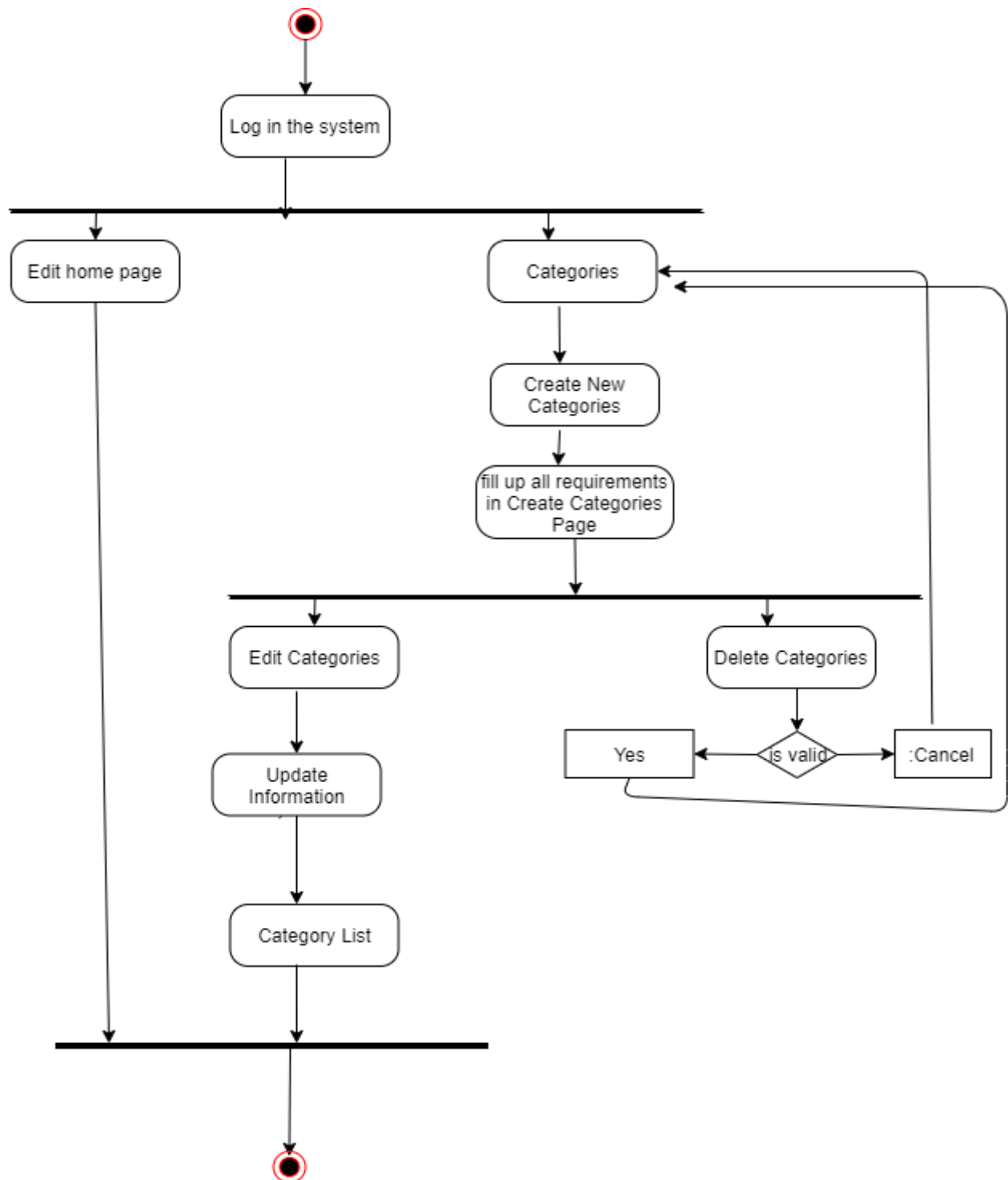


Fig- 4.08: Manage categories Activity Diagram

4.2.5. Manage Auctions
SME seller can create new auction to sell his product. After posting he can also

edit information
And delete the auctions.

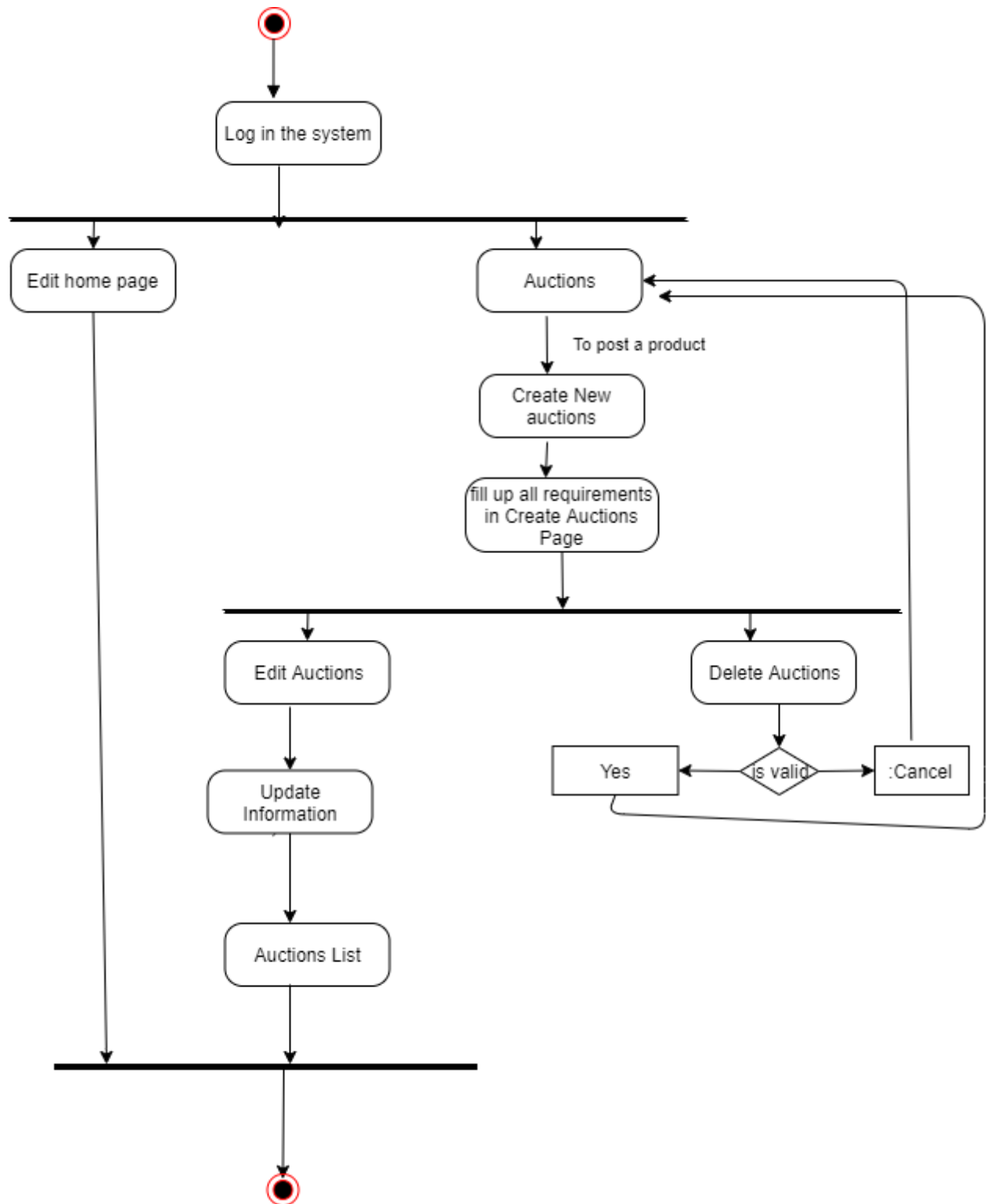


Fig-4.09: Manage Auctions Activity Diagram

4.2.6. Search Auctions:

From search option, sme buyer and seller can search desirable information.

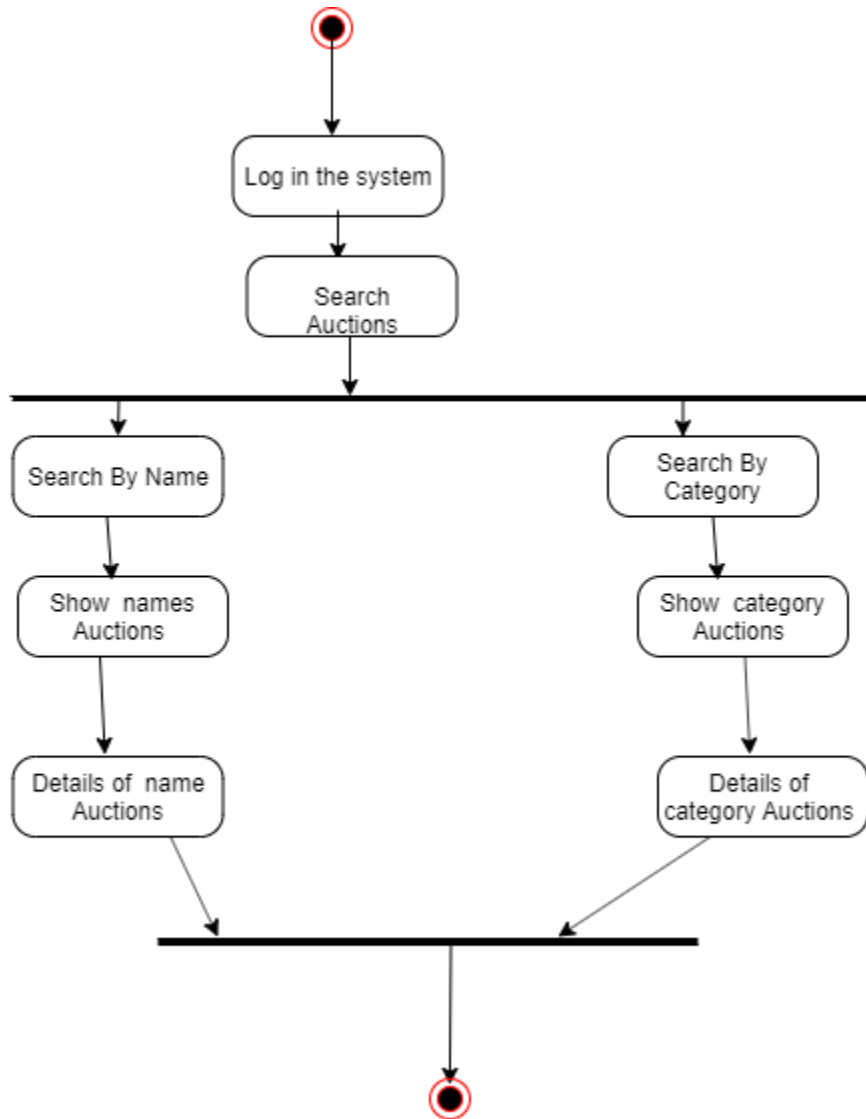


Fig-4.10: Search auctions Activity Diagram

4.2.7. Purchase Products: Sme buyer buy his product through bidding.

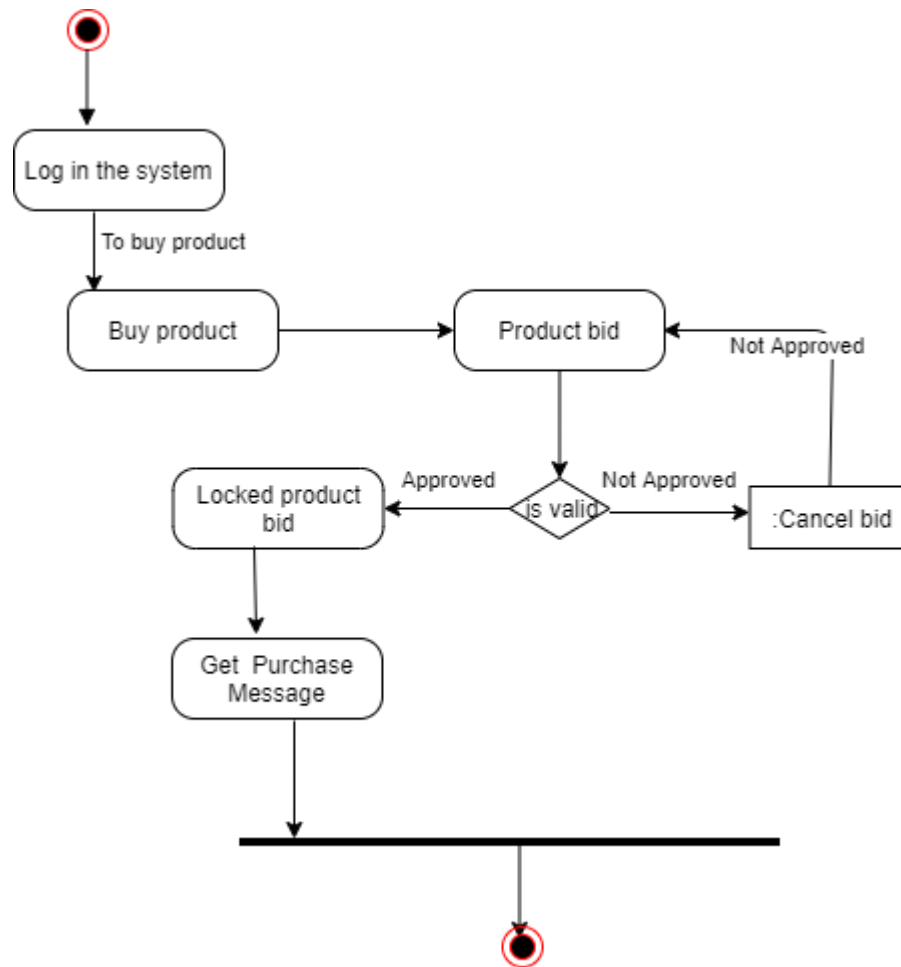


Fig-4.11: Purchase Products Activity Diagram

4.2.8. Contact:

Sme buyer and seller can contact through comment box. Buyer can review his product using ratings.

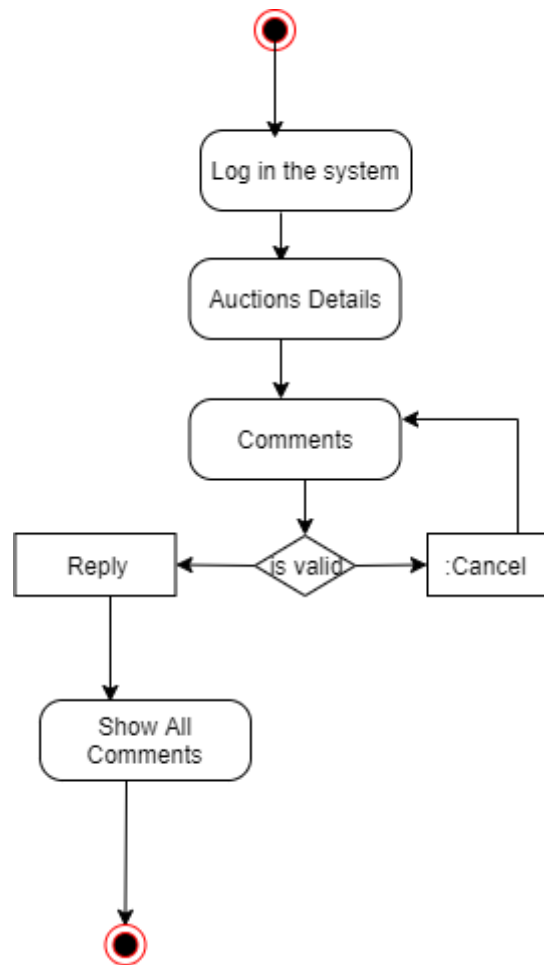


Fig-4.12: Contact Activity Diagram

4.2.9. Modify dashboard:

Admin modify the control panel. Can monitor all auctions list, users list and also reply all the comments.

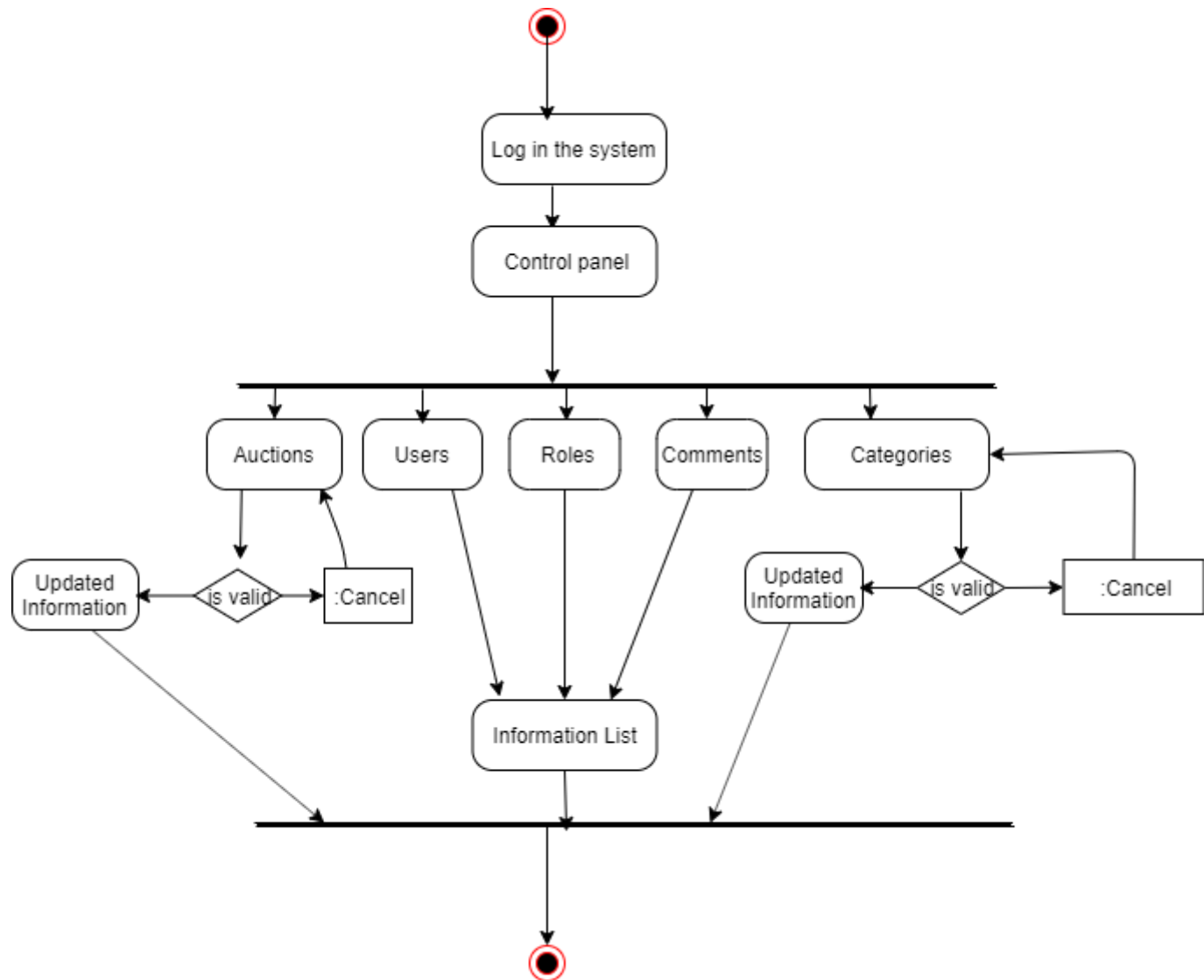


Fig-4.13: Modify dashboard Activity Diagram

4.3. Sequence Diagram

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario.

4.3.1. Login (Admin, SME seller, SME buyer)

User will input username and password to login the system.

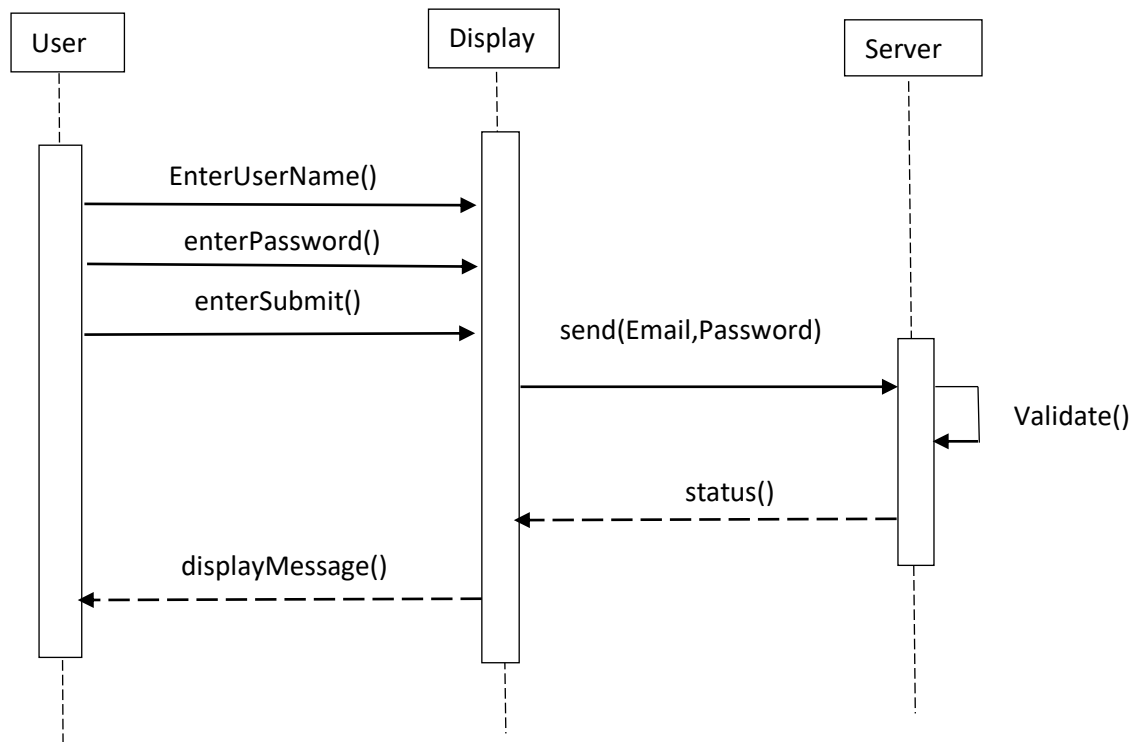


Fig-4.14: Login Sequence Diagram

4.3.2. Registration (SME seller, SME buyer)

Sme seller and Sme buyer register in the system to sell or buy the desirable products.

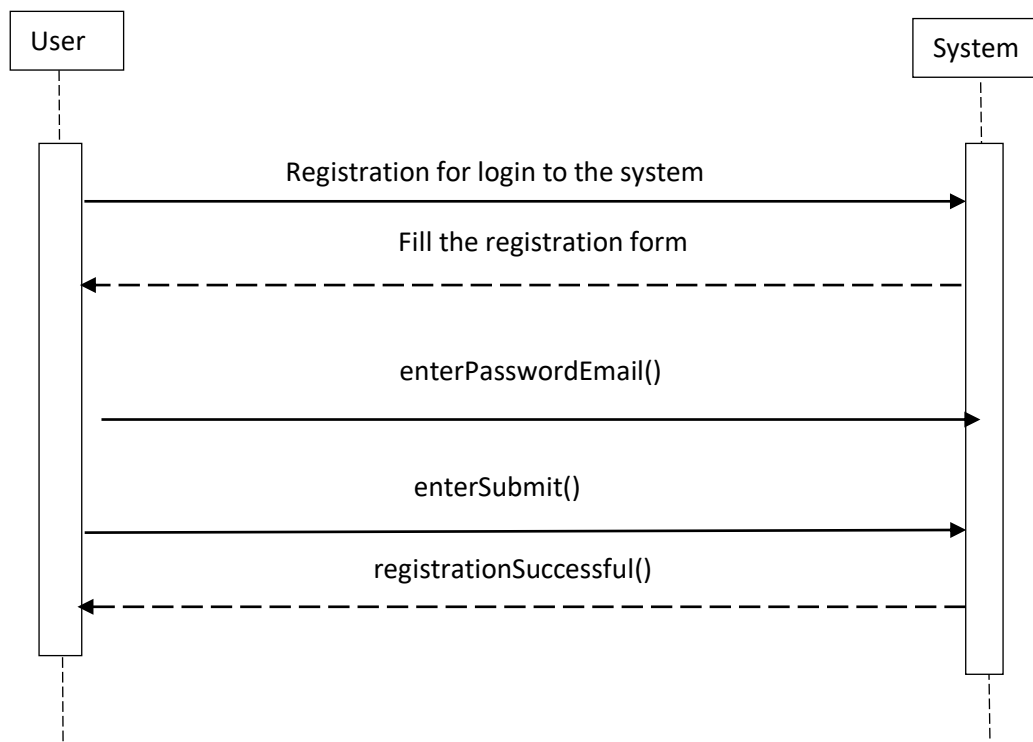


Fig-4.15: Registration Sequence Diagram

4.3.3. Manage Categories

Admin will manage all categories. He can edit delete or update all categories.

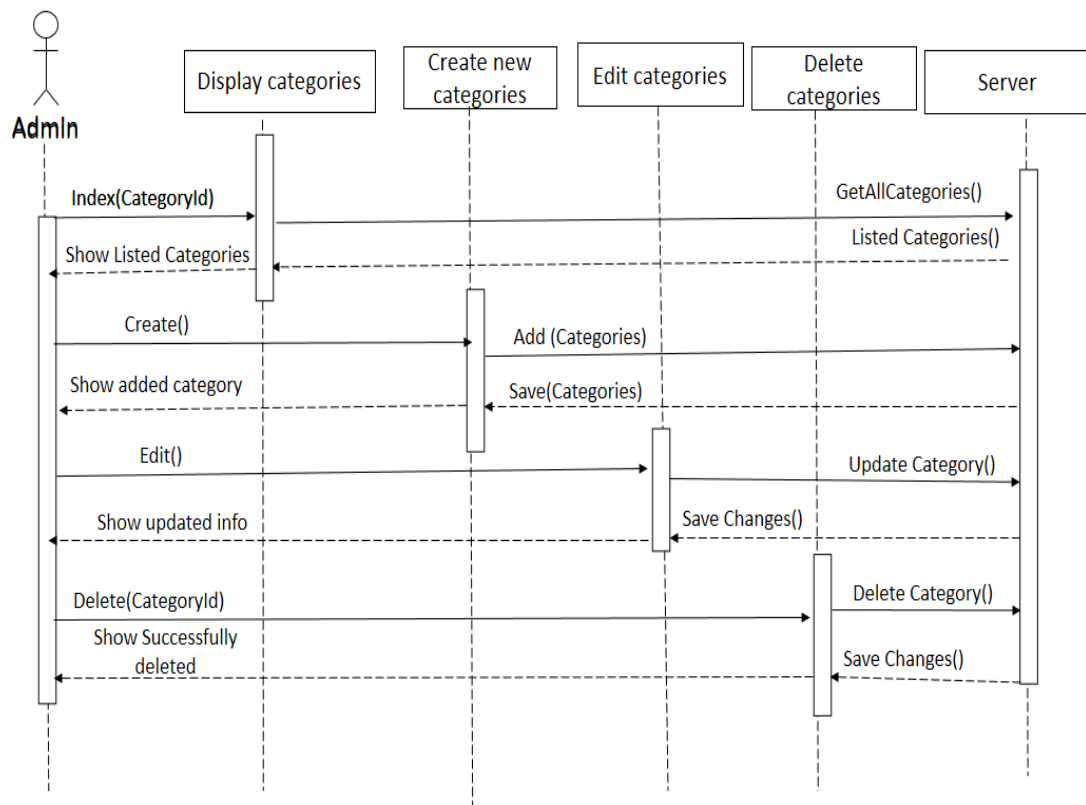


Fig-4.16: Manage categories Sequence Diagram

4.3.4. Manage Auctions

SME seller and admin can create new auction. They can also edit delete or update them.

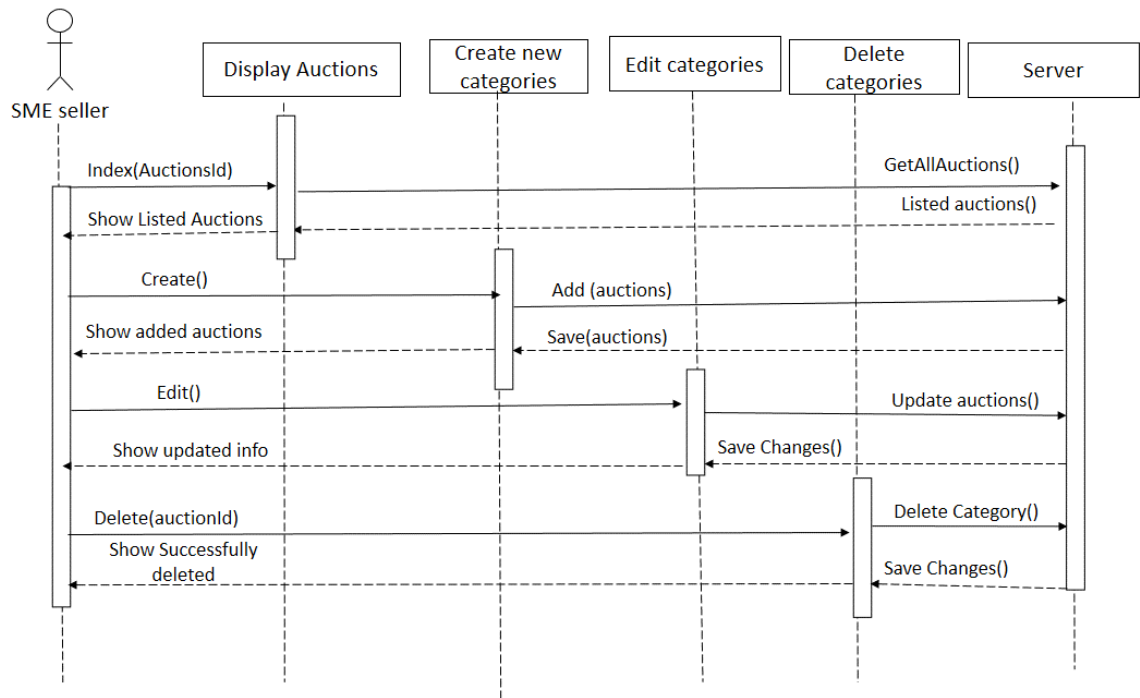


Fig-4.17: Manage auctions Sequence Diagram

4.3.5. Search Auctions

Admin and seller can search expected auctions from all the auctions.

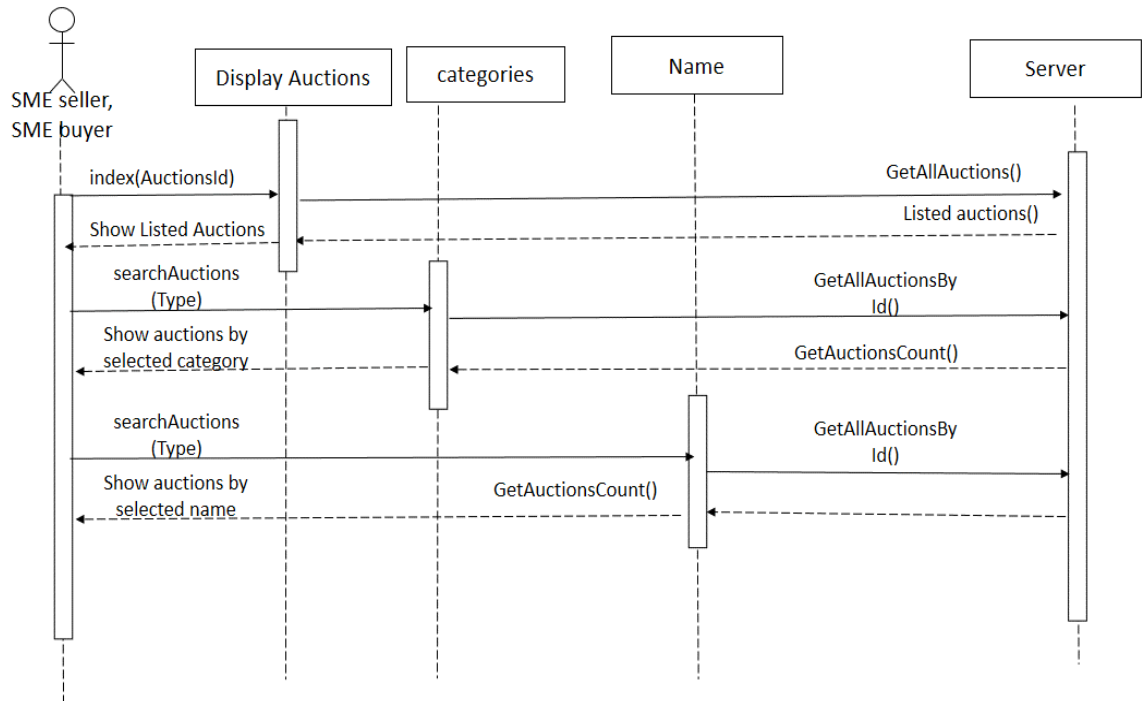


Fig-4.18: Search Auctions Sequence Diagram

4.3.6. Purchase Products

Sme buyer can purchase his/her desirable products from the auctions through bidding.

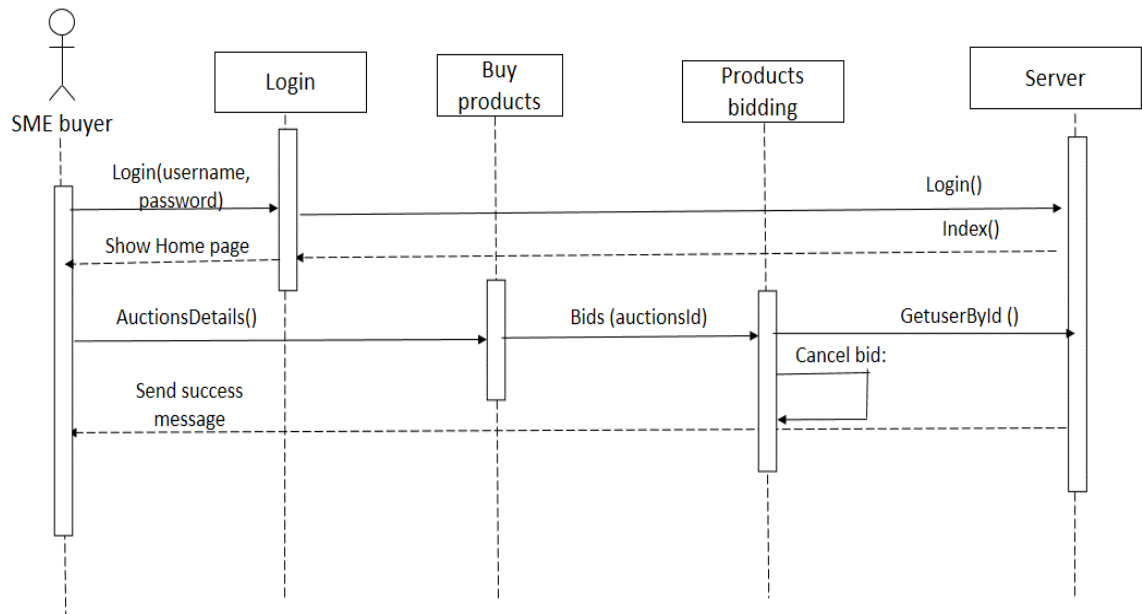


Fig-4.19: Purchase Products Sequence Diagram

4.3.7. Contact

Sme seller, buyer and admin can contact with each other through comment box.

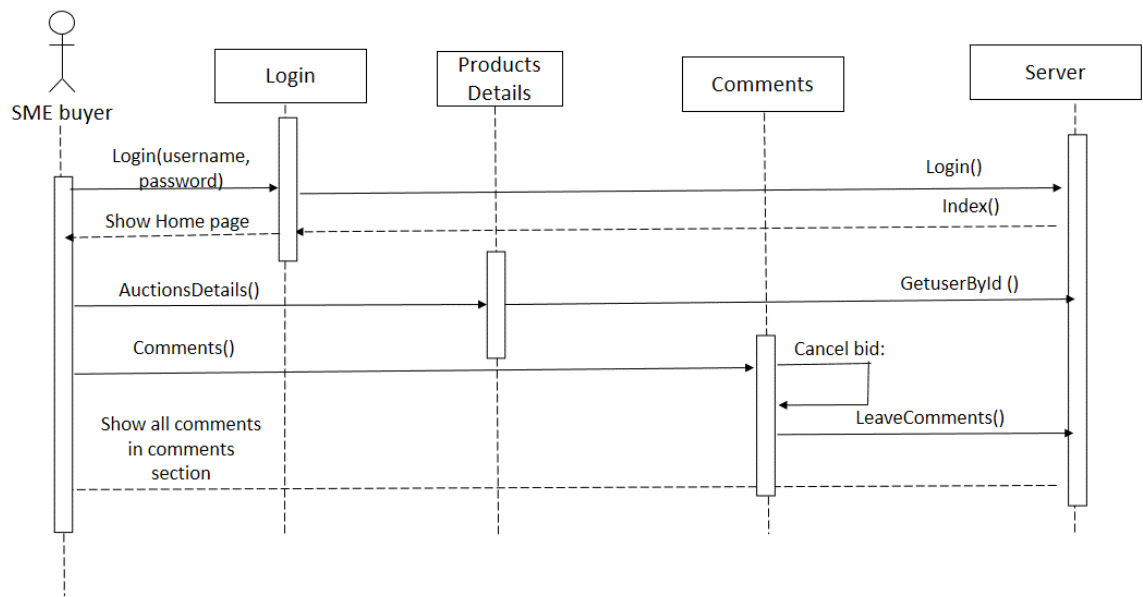


Fig-4.20: Contact Auctions Sequence Diagram

4.3.8. Manage Accounts

Sme seller, buyer and admin can edit own information.

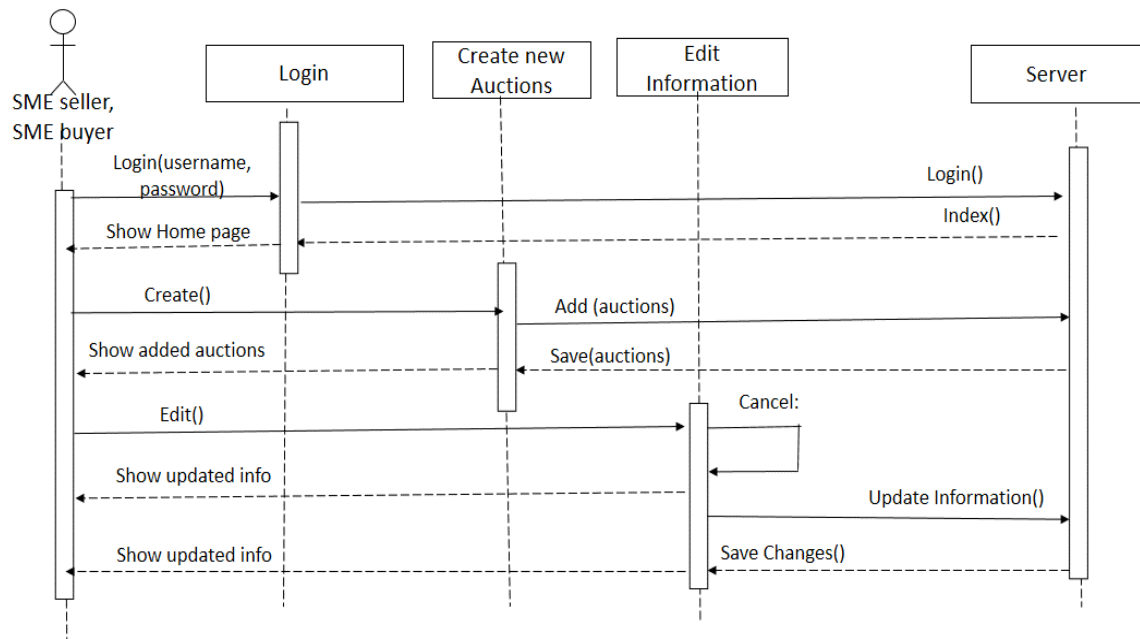


Fig-4.21: Manage Accounts Auctions Sequence Diagram

4.3.9. Modify dashboard

Admin can modify all requirements. He can also see all seller and buyer information.

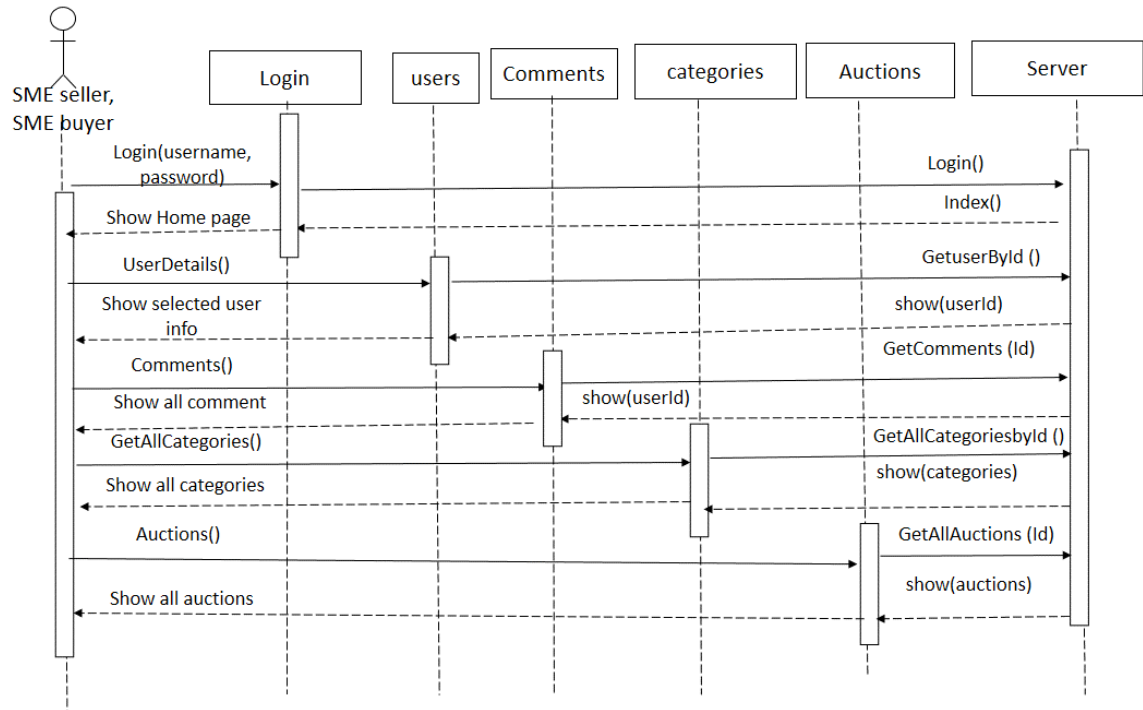


Fig-4.22: Modify Dashboard Sequence Diagram

CHAPTER 5

DESIGN & DEVELOPMENT

5. DESIGN and DEVELOPMENT

5.1. Design and Implementation Constraints

5.1.1. System Language

- ASP.Net MVC
- HTML5[4]
- CSS3 [4]
- Java Script[4]
- jQuery [5]
- Ajax[4]

5.1.2. Database Design or Architecture

- Microsoft SQL management server

5.2. Development Tools and Technology

5.2.1. User Interface Technology

- I am using bootstrap template

5.2.2. Implementation Tools and Platforms

- Server: Microsoft SQL management server
- Server version: 2012
- User: root@localhost

5.3. Class Diagram

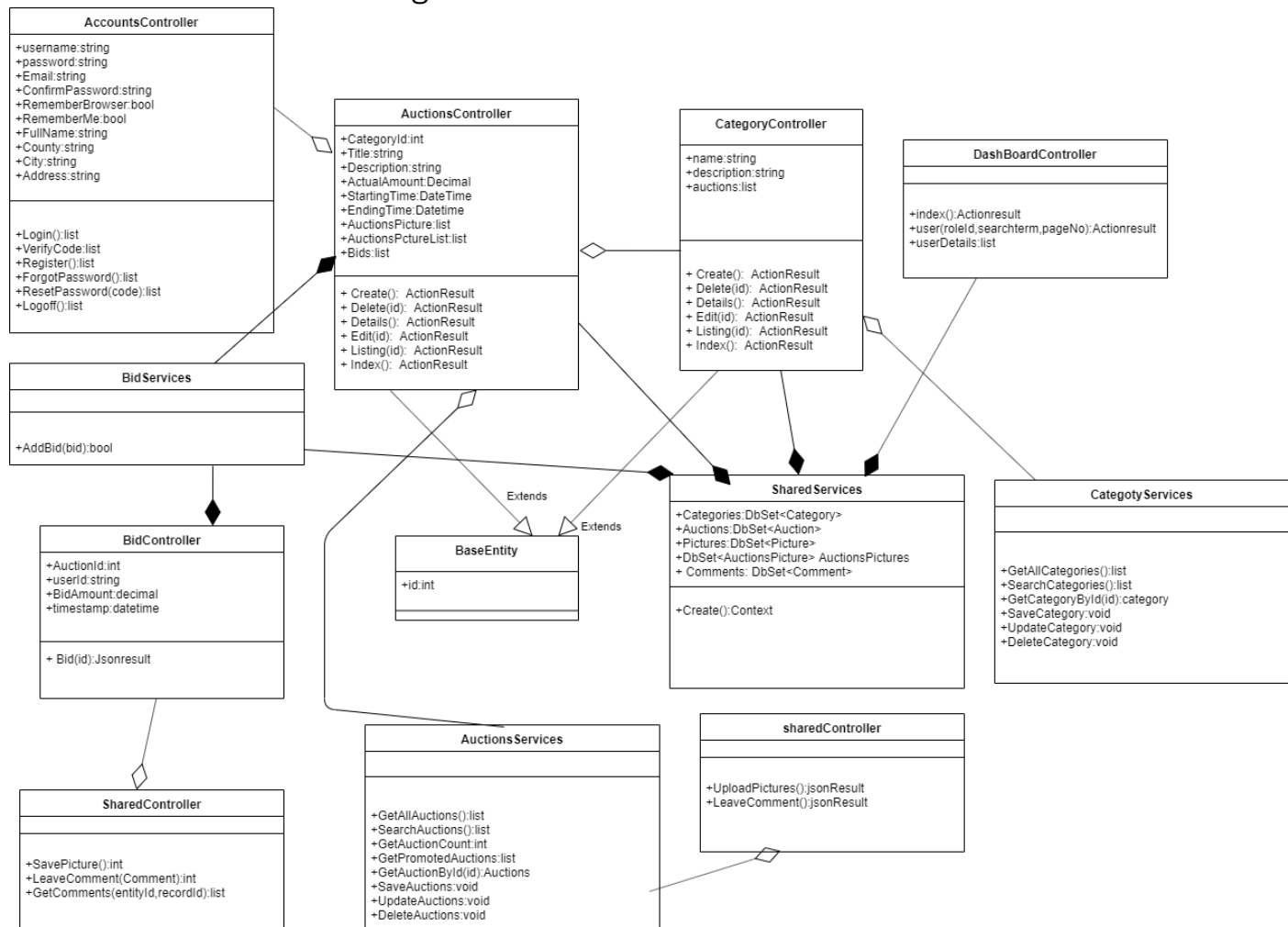


Fig-5.01: Class Diagram

5.4. Database Design

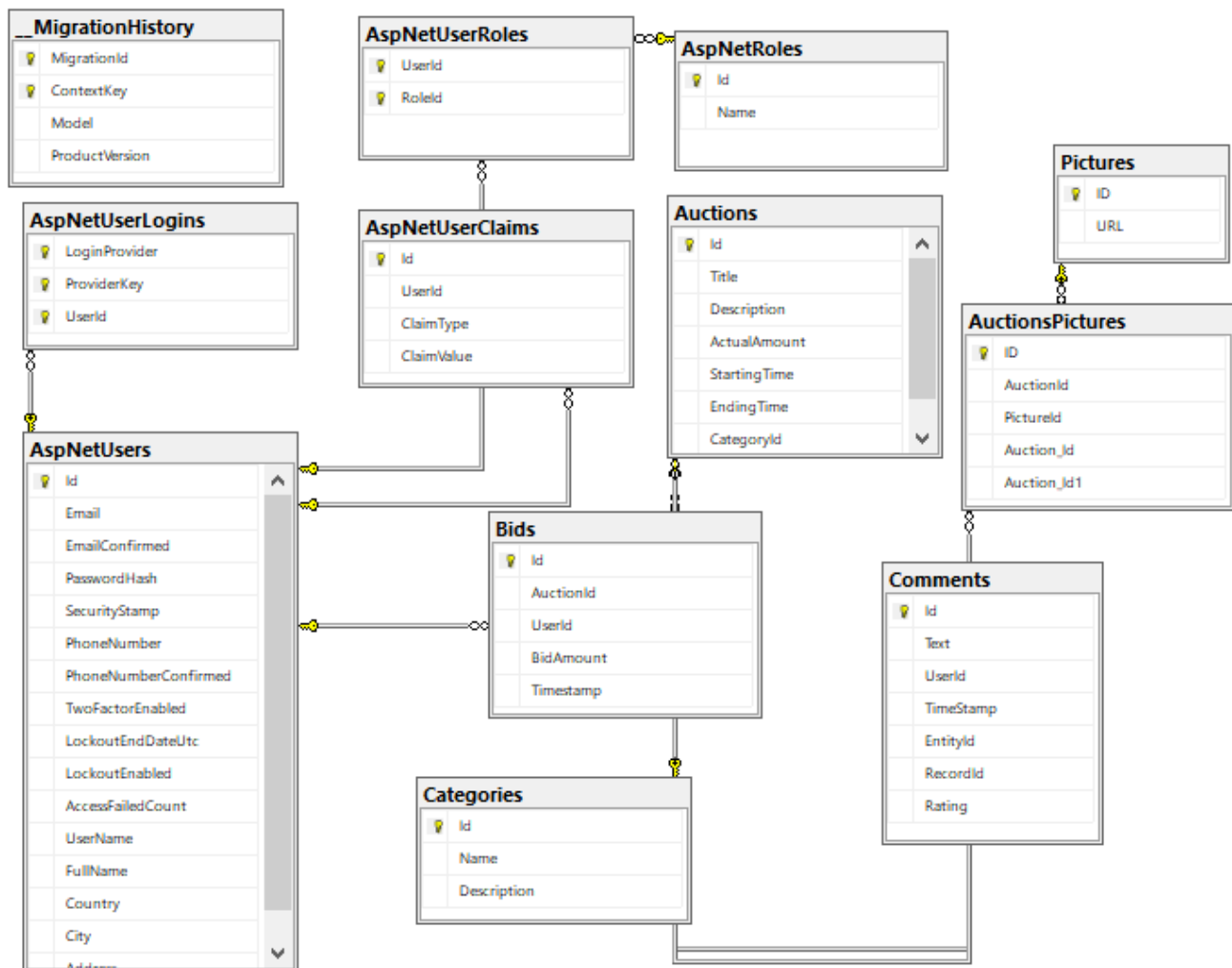


Fig-5.02: Database Design Diagram

CHAPTER 6

TEST PLANS

6. TEST PLANS

6.1. Testing Features

Feature testing is the process of making changes in software system to add one or more new features or to make modifications in the already existing features. Each of these feature is said to have a characteristic that is designed to be useful, intuitive, and effective.

6.1.1. Features to be tested

Table-6.1: Feature to be tasted

Featured Id	Featured Name	Description	Involved User
001	Registration	User should registered herself/himself first.	SME Seller and SME Buyer
002	Login	Login as authenticated user.	Admin, SME Seller and SME Buyer
003	Add Auctions	Add new Auctions with its all related information's.	Admin, SME seller
004	Update/Delete Auctions	Check the update and delete feature for Auctions.	Admin, SME seller
005	User Profile	After registration user, user will see the own profile.	SME seller and SME buyer
006	Reset password	User will Change their password	Admin, SME seller and SME buyer
007	Delete Auctions	SME seller will delete Auctions	SME seller
008	Delete Categories	Admin will delete user categories	admin
009	logout	Logout from the system.	Admin, SME seller and SME buyer
010	Search Auctions	Search for Auctions information	Admin, SME seller and SME buyer

6.1.2. Features not to be tested

Table-6.2: Feature not to be tested

Featured Id	Featured Name	Description	Involved User
001	View user account	Admin will see the user account information.	admin
002	View users role and whole information about bidding	Admin will see the user role information.	Admin

6.2. Testing Strategies

A testing strategy is a general approach to the testing process rather than a method of devising particular system or component tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used.

6.3. Test Cases

6.3.1. Test Case Module-1: Registration

6.3.1.1. State Transition Diagram

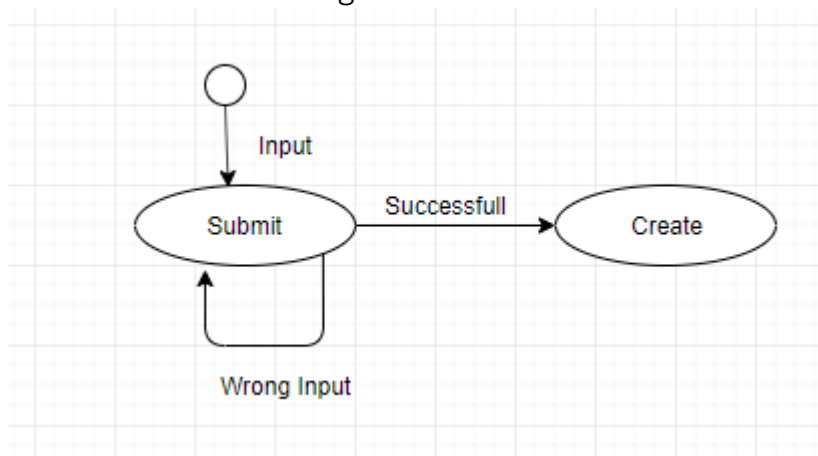


Fig-6.01: State Transition Diagram (Registration)

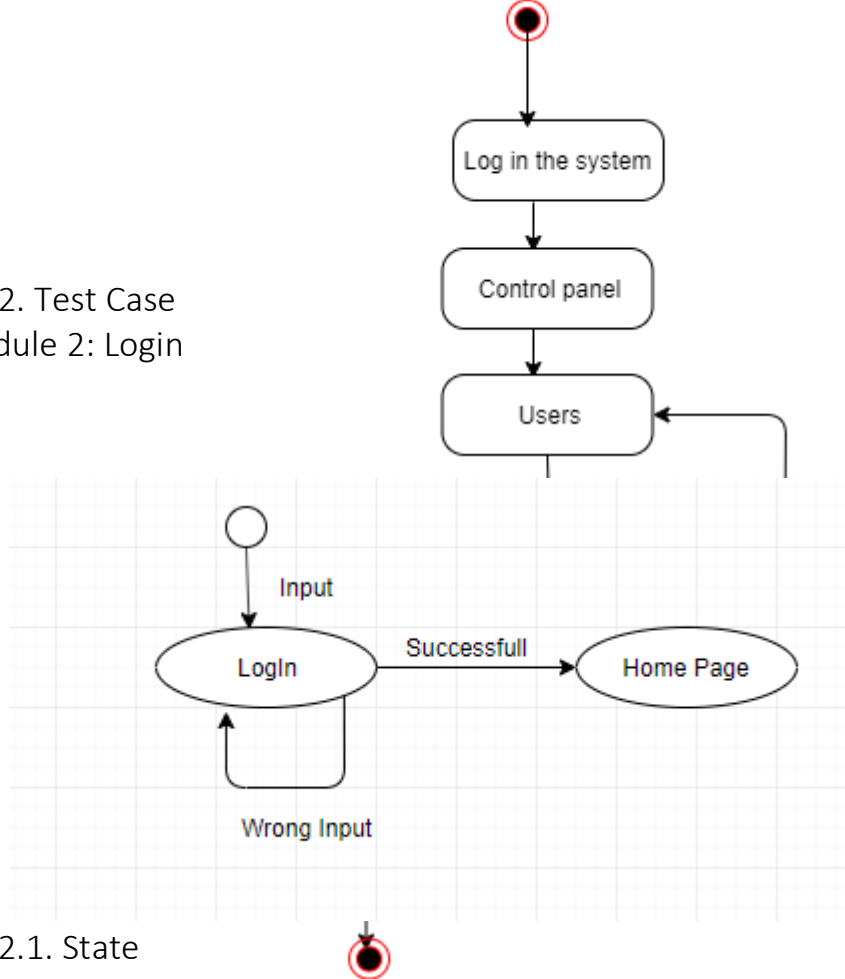
6.3.1.2. Test Case Table

Table-6.3: Test Case Registration

Test case #001	Test case name: Registration
Test Priority: Medium	System:
Designed By: Naznin Naher AKhi	Designed Date: 30.11.19
Executed by: Naznin Naher AKhi	Executed date: 30.11.19

Short Description: This section cover the functionalities of register a new user.				
Pre-conditions: User has no precondition				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	New user	Display successful message	pass	
02	Enter empty value for any required field	Display error message	pass	
03	All the input field is filled but confirm password is not match	Display Password Mismatch!	pass	
Post-conditions: Registration information is inserted into the database successfully				

6.3.2. Test Case Module 2: Login



6.3.2.1. State Transition Diagram

Fig-6.02: State Transition Diagram (Login)

6.3.2.2. Test Case Table

Table-6.4: Test Case Login

Test case #002			Test case name: login		
Test Priority: High			system:		
Designed By: Naznin Naher Akhi			Designed Date: 30.11.19		
Executed by: Naznin Naher Akhi			Executed date: 30.11.19		
Short Description: The user is registered and trying to log in to website when the system will check validity					
Pre-conditions:					
1. When any users tries to go their account or any page, they will be asked to login first.					
2. User must be registered already.					
Step	User Name	Password	Expected Result	Pass/ Fail	Actual Result
01	Naher	12345	Invalid USER NAME or PASSWORD!	Fail	
02	rahman		Please fill out this field	pass	
03	Akhi	123456	Successfully logged in and redirect to home page	pass	

Post-conditions: File is inserted into the database successfully
Authenticated person will successfully log in in the system.

6.3.3. Test Case Module 3: Add Auctions

6.3.3.1. State Transition Diagram

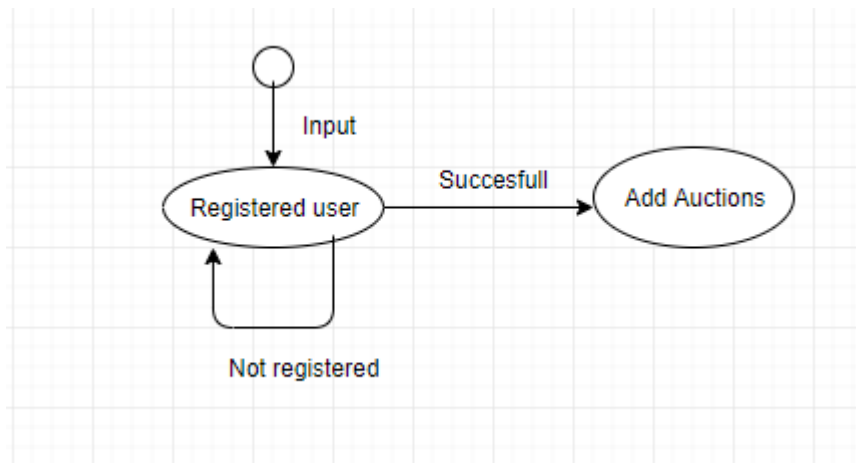


Fig-6.03: State Transition Diagram (Add Auctions)

6.3.3.2. Test Case Table

Table-6.5: Test Case Add Auctions

Test case #003		Test case name: Add Auctions		
Test Priority: Medium		system:		
Designed By:Naznin Naher Akhi		Designed Date: 30.11.19		
Executed by: Naznin Naher Akhi		Executed date: 30.11.19		
Short Description: user trying fill all the input field of Auctions.				
Pre-conditions: 1.User must be registered already.				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Click Add button	Show successful message	pass	
02	All the input field is filled area filed is empty	Please fill out area field	Fail	
03	All the input field is filled	System will allow to save.	pass	
Post-conditions: Circular data is inserted into the database successfully				

6.3.4. Test Case Module 3: Search Auctions

6.3.4.1. State Transition Diagram

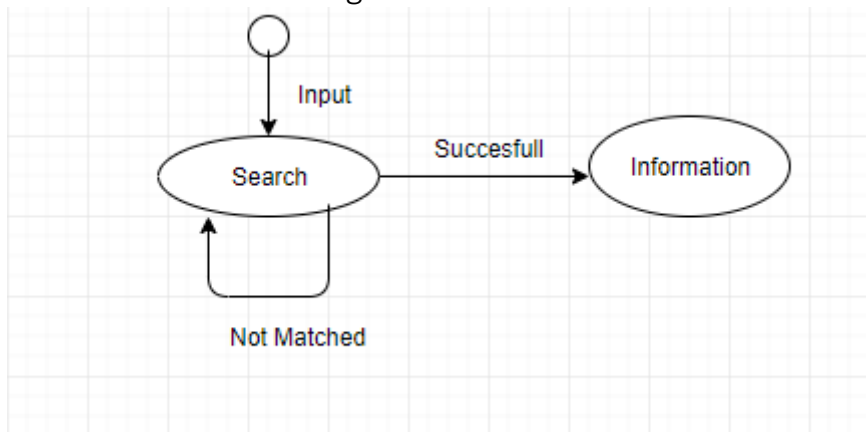


Fig-6.04: State Transition Diagram (Search Auctions)

6.3.4.2. Test Case Table

Table-6.6: Test Case Search Auctions

Test case #010		Test case name: Search Auctions		
Test Priority: High		system:		
Designed By: Naznin Naher Akhi		Designed Date: 30.11.19		
Executed by: Naznin Naher Akhi		Executed date: 30.11.19		
Short Description: user Search for Auctions information.				
Pre-conditions: 1.User has no precondition				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Search name	Show data successfully	Pass	
02	All the input field is empty	No change in search page	Pass	
03	Multiple search	Show all data successfully	Pass	
Post-conditions: Search Auctions information successfully Shown				

6.3.5. Test Case Module-3: Reset Password

6.3.5.1. State Transition Diagram

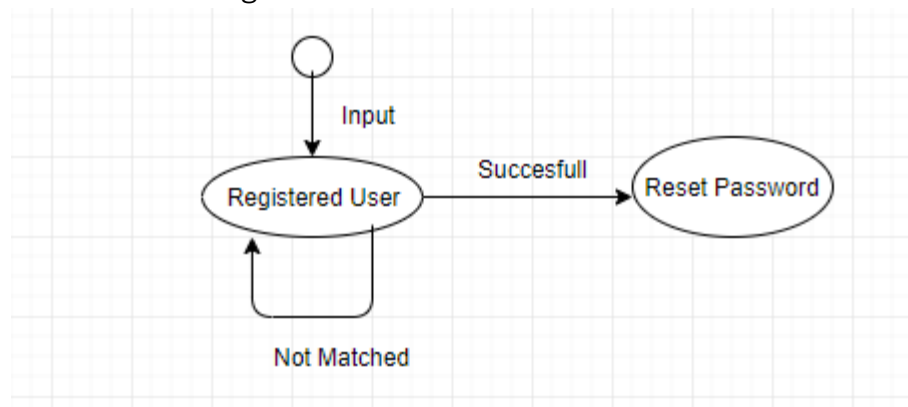


Fig-6.03: State Transition Diagram (Reset Password)

6.3.5.2. Test Case Table

Table-6.7: Test Case Reset Password

Test case #006		Test case name: Reset password		
Test Priority: Medium		system:		
Designed By: Naznin Naher Akhi		Designed Date: 30.11.19		
Executed by: Naznin NAher Akhi		Executed date: 30.11.19		
Short Description: user and admin trying to reset their password.				
Pre-conditions:				
1. User must be registered already				
2. User must know old password				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Click Reset button	Show successful message	pass	
02	All the input field is filled but confirm password is not match	Show don't match password	Fail	
03	User fill password 4 digit	Show message Password length must be 6 digit	Fail	
04	Input strong password	Show successful message	pass	
Post-conditions: password is updated into the database successfully.				

6.4. Testing Deliverables

6.4.1. Project Status Report

Table-6.8: Project Status Report

Feature	Test Case	Pass	Fail
Registration	03	03	00
Login	03	02	01
Add Auctions	03	02	01
Search Auctions	03	03	00
Reset password	04	02	02

CHAPTER 7

User Manual

7.User Manual

7.1. Registration Page

Sme seller and Buyer register from this page to sell or buy their products.

Helping Hand Auctions

[Auctions](#) [Help](#) [Login](#)

Register.

Create a new account.

FullName

Country

City

Address

Email

UserName

7.2. Login

Seller, buyer and admin log in to the system from this page.

Helping Hand Auctions

Log in.

Use a local account to log in.

UserName

Password

☐ Remember me?

Log in

[Register as a new user](#)

Helping Hand
Auctions

Features

[Cool stuff](#)

[Random feature](#)

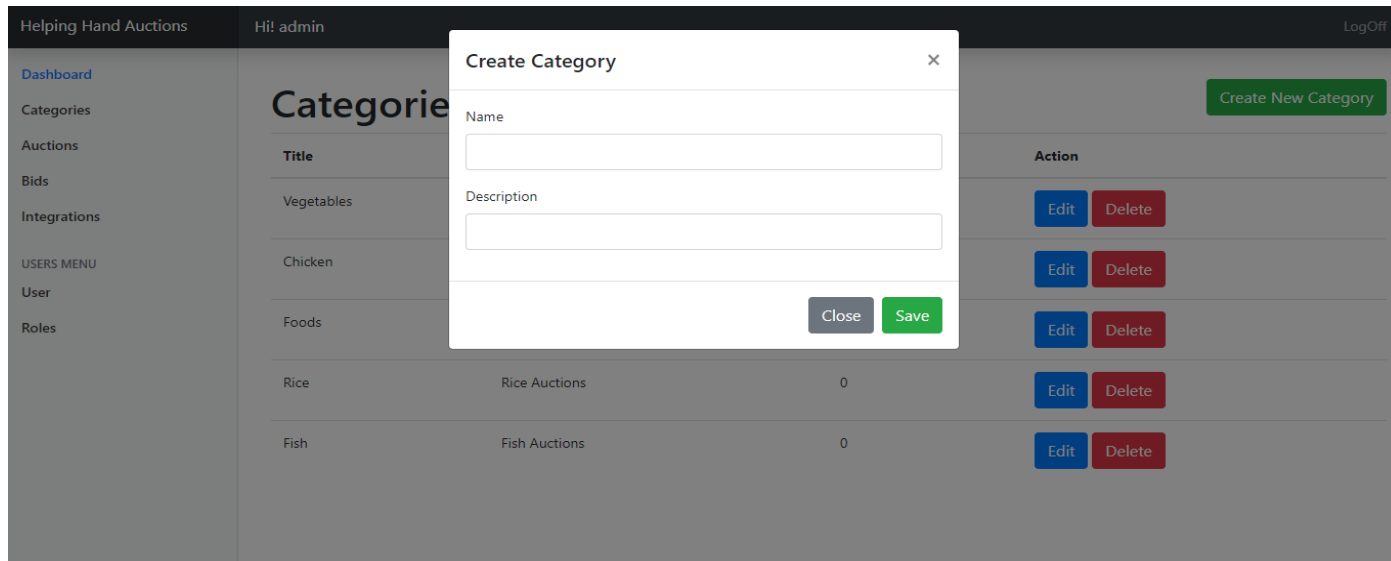
Resources

[Resource](#)

[Resource name](#)

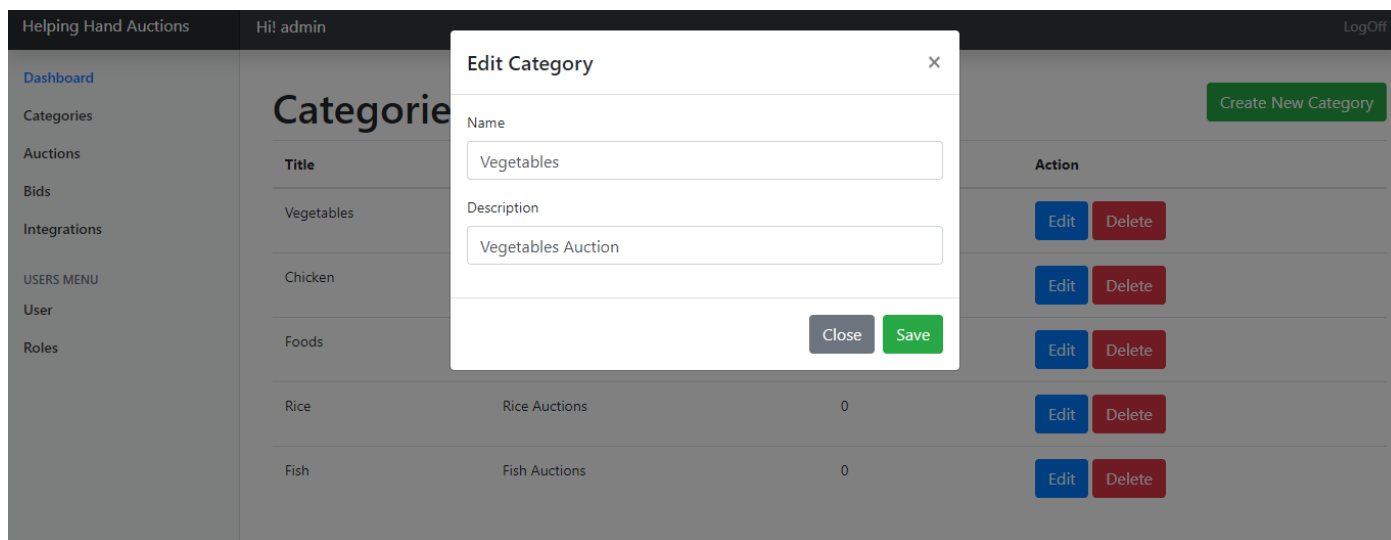
7.3. Create New Category(Admin)

Admin Create new category for seller to post auctions.



7.4. Edit New Category(Admin)

Admin update category if needed.



7.5. Delete Category(Admin)

Admin delete category if the category not helped seller.

The screenshot shows the 'Categories' page in an admin dashboard. A modal dialog is open in the center, asking 'Are you sure You Want to Delete this' with 'Close' and 'Deleted' buttons. The background table lists categories with their titles, descriptions, auction counts, and edit/delete actions.

Title	Description	Auctions	Action
Vegetables	Vegetables Auction	1	Edit Delete
Chicken	Chicken auction	0	Edit Delete
Foods	Food Foods	0	Edit Delete
Rice	Rice Auctions	0	Edit Delete
Fish	Fish Auctions	0	Edit Delete

7.6. Category List(Admin)

Admin can see all Category list.

The screenshot shows the full admin dashboard. The left sidebar contains navigation links: Dashboard, Categories, Auctions, Bids, Integrations, USERS MENU, User, and Roles. The main content area displays the 'Categories' page with a table of categories and their auction counts.

Title	Description	Auctions	Action
Vegetables	Vegetables Auction	1	Edit Delete
Chicken	Chicken auction	0	Edit Delete
Foods	Food Foods	0	Edit Delete
Rice	Rice Auctions	0	Edit Delete
Fish	Fish Auctions	0	Edit Delete

7.7. All users list(Admin)

Admin can see all users list.

Helping Hand Auctions

Hi! admin

LogOff

[Dashboard](#)
[Categories](#)
[Auctions](#)
[Bids](#)
[Integrations](#)

[USERS MENU](#)
[User](#)
[Roles](#)

Users

Name	Username	Email	Roles	Actions
	admin	admin@gmail.com	3	More Details
	naznin@gmail.com	naznin@gmail.com	0	More Details
Naznin Naher Akhi	Naher	nazninnaher@gmail.com	1	More Details

7.8. All Auctions list(SME Seller)

Sme seller and admin can see all auctions.

Helping Hand Auctions

Hi! admin

LogOff

[Dashboard](#)
[Categories](#)
[Auctions](#)
[Bids](#)
[Integrations](#)

[USERS MENU](#)
[User](#)
[Roles](#)

Auctions

Title	Category	Description	Actual Amount	Starting Time	Ending Time	
Auction	Vegetables	Bus Bus	30000.00	10/04/2019 00:00:00	01/11/2019 00:00:00	Edit Delete

7.8. Create new Auctions (SME Seller)

Sme seller and admin can create new auction to sell products.

The screenshot shows the 'Create Auctions' form in the Helping Hand Auctions application. The form is titled 'Create Auctions' and has a close button (X). The form fields are:

- Title:
- Category:
- Description:
- Actual Amount:
- Starting Time:
- Ending time:
- Select Pictures: No file chosen

The background shows the application interface with a sidebar menu (Dashboard, Categories, Auctions, Bids, Integrations, USERS MENU, User, Roles) and a main content area with a table titled 'Auctions'.

7.8. Edit Auctions (SME Seller)

Admin and seller can edit his posted auctions.

The screenshot shows the 'Edit Auctions' form in the Helping Hand Auctions application. The form is titled 'Edit Auctions' and has a close button (X). The form fields are:

- Title:
- Category:
- Description:
- Actual Amount:
- Starting Time:
- Ending Time:
- Select Pictures: No file chosen

The background shows the application interface with a sidebar menu (Dashboard, Categories, Auctions, Bids, Integrations, USERS MENU, User, Roles) and a main content area with a table titled 'Auctions'.

7.9. Users Details(Admin)

Admin can see all user's details.

Helping Hand Auctions

Hi! admin

LogOff

Dashboard

Categories

Auctions

Bids

Integrations

USERS MENU

User

Roles

User Details



Naznin Naher Akhi

Naher

Dhaka, Bangladesh

InfoRolesBidsComments

FullNameNaznin Naher Akhi

CountryBangladesh

CityDhaka

AddressDhanmodi

Emailnazninnahe@gmail.com

UserNameNaher

7.10. User Personal info(SME seller, SME buyer)

Personal Information

Organizational Information

Agent Information



Change Profile Picture

NameMonsur Shekh

Father's Name

Mother's Name

GenderMale

Date Of Birth01/01/0001 00:00:00

Professional Experience

Email

Phone01915491472

National ID

Passport No

Educational Level

7.11. All Auctions list(SME seller, SME buyer)
Admin, seller and buyer can see all auction from this home page.

Helping Hand Auctions

Auctions Help Login





shutterstock.com • 407021107

Auction

\$30000.00

Bus Bus

7.12. Bidding and reviews(SME buyer)

To buy products, buyer can bid from this page.

Auction

\$30000.00

Bus Bus

★ ★ ★ ★ ☆ 4.0 stars

Bid Now

Comments

There are no comments in this Auctions

Write Your Comments

☆ ☆ ☆ ☆ ☆

Leave a Review

Chapter-8

Project Summery

8. Project Summary

8.1. Summary

This project has been started from August. From that beginning time I gather many requirement, I studied some websites then I give my proposal.

I start develop this project .I think storing the data in database is very important. That's why I did this first and made a relationship with the tables. After that I design the UI. This project's UI is very simple and clean which is very help for the user's experience. Then I started coding and executing the project.

If I did not test this project there will stay some bug on this project which will ruin the full project. That why give importance to test thisproject and then I solved some bug which I got after testing this project.

8.2. Limitations

It isveryhard to develop something without any limitations. This project has some limitations. Limitation are as follows:- ☐Notfullyresponsive

☐Not highly secure

8.3. Obstacles and Achievements

To walk in the good way one's have to face many obstacles. By facing obstacles one will get some achievements. To search data after joining an obstacle for me. Although I have done it by taking help from mysupervisor, friendsand by searching the solution from Google. I achieve my confident to develop this project alone.

8.4. Future Scope

By working with this project, I have learnt many things. This project will give me someopportunity to work with this type of similar project.

8.5. GitHub Link:

<https://github.com/NazninNaherAkhi/FinalProject>

8.6. References:

- M. Otto and J. Thornton, "Introduction," · *Bootstrap*. [Online]. Available: <https://getbootstrap.com/docs/4.4/getting-started/introduction/>. [Accessed: 09-Dec-2019].
- Rick-Anderson, "Getting Started with ASP.NET MVC 5," *Getting Started with ASP.NET MVC 5 | Microsoft Docs*. [Online]. Available: <https://docs.microsoft.com/en-us/aspnet/mvc/overview/getting-started/introduction/getting-started>. [Accessed: 09-Dec-2019].
- "Fruits & Vegetables - Chaldal Online Grocery Shopping and Delivery in Dhaka: Buy fresh food items, personal care, baby products and more," *Chaldal*. [Online]. Available: <https://chaldal.com/fruits-vegetables>. [Accessed: 09-Dec-2019].