



Daffodil
International
University

Online Bidding System

Submitted By

Ashpriya Talukder

181-35-2442

Department of Software Engineering

Daffodil International University

Supervised By

Md. Khaled Sohel

Assistant Professor

Department of Software Engineering

Daffodil International University

A Project submitted in partial fulfillment of the requirement for the degree of
Bachelor of Science in Software Engineering

Approval

APPROVAL

This project titled on "Online bidding System", submitted by Ashpriya Talukder ID: 181-35-2442 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS



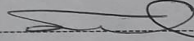
Chairman

Dr. Imran Mahmud

Head and Associate Professor

Department of Software Engineering

Daffodil International University



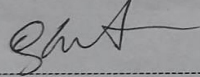
Md. Khaled Shohel

Internal Examiner 1

Assistant Professor

Department of Software Engineering

Daffodil International University



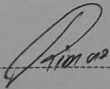
Md. Shohel Arman

Internal Examiner 2

Assistant Professor

Department of Software Engineering

Daffodil International University



Rimaz Khan

External Examiner

Managing Director

Technology Team

Declaration

Declaration

I hereby declare that I took this project under the supervision of Mr. Md. Khaled Sohel, Assistant Professor, Department of Software Engineering, Daffodil International University. I also declare that neither this report or nor any part of this has been submitted elsewhere for any award or degree.

Prepared By

Ashpriya Talukder

Ashpriya Talukder

ID: 181-35-2442

Batch: 25th

Department of Software Engineering

Faculty of Science and Technology

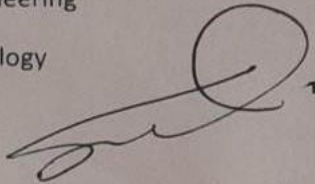
Certified By

Mr. Md. Khaled Sohel

Assistant Professor

Department of Software Engineering

Faculty of Science and Technology



Acknowledgement

I want to start by thanking the Almighty Allah for giving me the right amount of time to finish the assignment. I also like to thank Md. Khaled Sohel, my honorable supervisor, from the Faculty of Software Engineering at Daffodil International University. For his wonderful advice and for believing that I could finish this job. I would like to extend my sincere gratitude to the head of the department of software engineering for supporting me and giving me this chance. I am appreciative of my parents', families, friends', seniors', and juniors' patience, support, and encouragement over the course of my education. I want to send my warmest greetings to all the professors, friends, and staff at our university.

I would like to extend my sincere gratitude to Dr. Imran Mahmud, Head In-Charge of the Software Engineering Faculty, as well as to the other professors and employees of the SWE department of Daffodil International University for their kind assistance in completing our project.

Table of Contents

Approval	i
Declaration	ii
Acknowledgement	iii
Table of Contents	iv
Chapter 01	1
Introduction	1
1.1 Introduction	1
1.2 Purpose	1
1.3 project Overview	1
1.4 Problem Statement	1
1.5 Goals	1
1.6 Stakeholders	2
1.7 Project Schedule	2
1.8. Gantt Chart	3
Chapter 2	4
System Analysis	4
2.1 Requirement Analysis	4
2.2 Requirement Gathering	4
2.3 Feature	4
2.4 Requirement Specification	5
2.5 Dependability Requirements:	7
Chapter 3	10
System Design	10
3.1 USE CASE:	10
Use Case Description	11
3.1.1 User Register	11
3.1.2 Login and logout	12
3.1.3 Add Product	13
3.1.4 View and Approve Auction	14
3.1.5 Search Auction	15
3.1.6 Place bidding amount	16
3.2 Activity Diagram	17
3.2.1 Activity Diagram for Get Register:	17
3.2.2 Activity Diagram for Login and Logout:	17
3.2.3 Activity Diagram for add product	18

3.2.4 Activity Diagram for View and approved Auction:	19
3.2.5 Activity Diagram for Search Auction:	20
3.2.6 Activity Diagram for Place bidding amount:	21
3.3 Sequence Diagram	23
3.4 ER Diagram	24
Chapter 4	25
System Test & Development	25
4.1 Introduction	25
4.2 Features to be tested:	26
4.3 Testing Strategy:	27
4.4 Test Case Table	27
4.5 Development	28
4.5.1 Reason behind choosing:	28
Chapter 5	29
Risk Management	29
5.1 Software Risk Identification	29
5.1.1: Impact of the Risk categories:	30
Chapter 6	31
Conclusion	31
6.1 Project Summary:	31
6.2 Limitation:	31
6.3 Future Scope:	31
Chapter 7	32
7. References	32
7.1 Project Screen shot:	33
Login page:	33
Products for bidding page:	33
Product list page:	34
Product edit page:	34
Product Bid page:	35
Product Bid (success) page:	35
User edit page:	36
User list page:	36
Improvement planning for design:	37
8. Plagiarism Report	40

Chapter 01

Introduction

1.1 Introduction

One type of unique business platform is the online auction. Both the bidder and the seller use this mechanism.

1.2 Purpose

The "online Bidding system" project will gain some insight from this text. The main goal of this text is to provide useful information for readers and their job. The benefits of the project are highlighted in this booklet. In this document, the topics of requirements, design, implementation, and testing will be covered.

1.3 project Overview

This project utilizes an online auction and a C2C business model. Anyone who wishes to effortlessly auction their product can do so with this project. A bidder may place numerous bids. The seller may state a firm asking price. Customers can speak with sellers directly.

1.4 Problem Statement

Mushfiqur Rahim, one of the nation's favorite cricket players, had his bat put up for auction in order to generate money to combat the deadly Covid-19 outbreak. He asserted, however, that the majority of the bidders were frauds. Bangladesh does not have any reliable online auction businesses. Therefore, I made the website "Bidding Zone" after making the decision.

1.5 Goals

The web-based application is the major focus of this project. The majority of people rely on the internet currently, however Bangladesh has very few auction websites. The primary goal of this project is to improve the C2C Business service

1.6 Stakeholders

three categories of stakeholders are involved in this "online bidding system" initiative. like as:

- Admin
- Seller
- Bidder

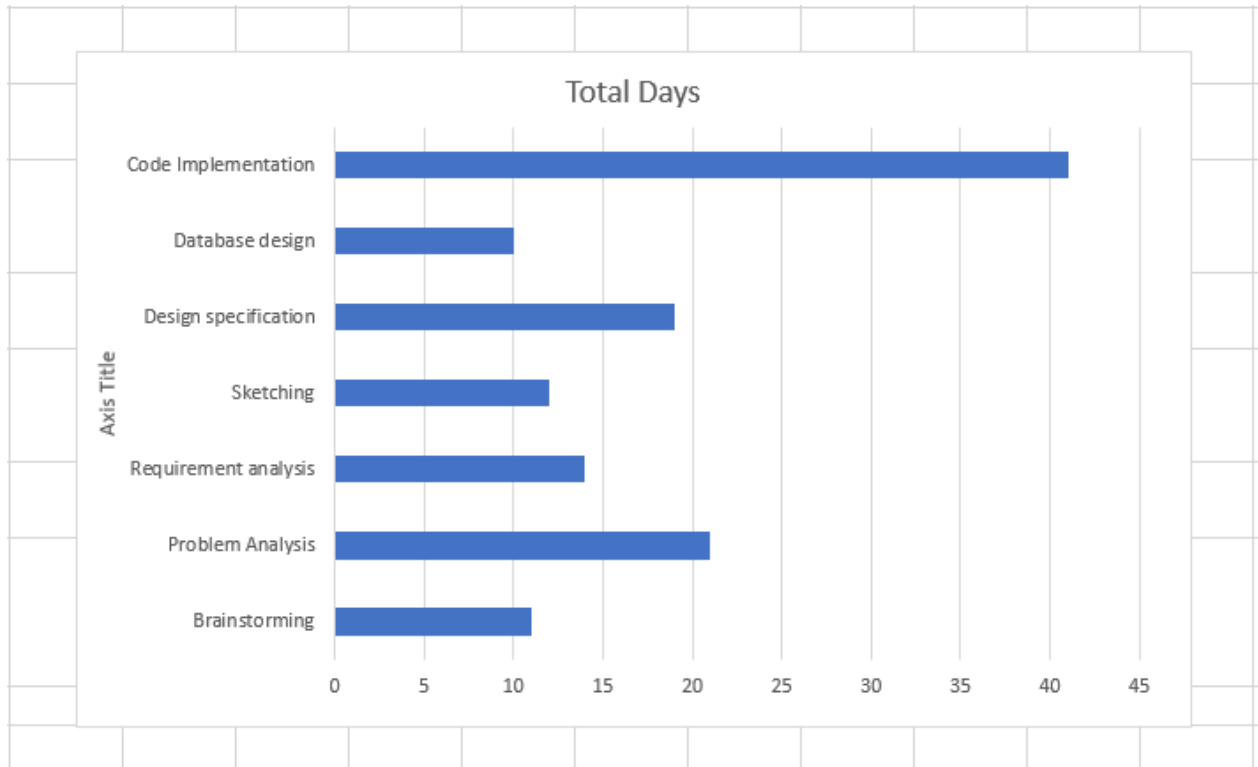
1.7 Project Schedule

Table 1.7: Project schedule

Activities	Duration (in week)	Total week
Brainstorming	Week-1,2	2
Problem Analysis	Week-3,4,5	3
Requirement analysis	Week-6,7	2
Sketching	Week-8,9	2
Design specification	Week-10,11,12	3
Database design	Week-13,14	2
Code Implementation	Week-15, 16, 17,18,19,20	6
Testing	Week-21, 22	2
Project Delivery	Week-23	1

1.8. Gantt Chart

The horizontal lines in a Gantt chart represent the set of tasks completed within a given time frame.



Chapter 2

System Analysis

2.1 Requirement Analysis

The process of defining user expectations for a future application is known as requirements analysis. It entails all of the activities carried out to determine the requirements of various stakeholders. Analysis of software or system requirements hence refers to the process of analyzing, documenting, validating, and managing those requirements. High-quality requirements are those that are defined to make system design easier, are documented, actionable, quantifiable, tested, and traceable.

2.2 Requirement Gathering

Any project management process must include requirements collection. It is essential to completely comprehend what a project will produce if you want it to succeed. Although requirements gathering seems routine, it is actually an area that receives far too little attention.

2.3 Feature

1. Get Registration
2. Login and Logout
3. Add Product
4. View and Approve Auction
5. Search Auction
6. place Bidding Amount.

2.4 Requirement Specification

For any application, functional requirements are a requirement. The following functional requirements apply to the system:

ID: FR-01

Requirement Name:	Get Registration
Description:	Once the user provided accurate information, registration was accomplished.
Stockholders:	Seller, Bidder, Admin

ID: FR-02

Requirement Name:	Login and Logout
Description:	Anyone who wishes to list a product for auction must first log in to the system. Once logged in, they will log out for security if they don't do anything else.
Stockholders:	Seller, Bidder, Admin

ID: FR-03

Requirement Name:	Add Product
Description:	Both the seller and the bidder may list their item with specifics.
Stockholders:	Seller

ID: FR-04

Requirement Name:	View and Approve Auction
Description:	Admin can see the view of product list. If the product required fulfill than Admin can approve seller auction post
Stockholders:	admin

ID: FR-05

Requirement Name:	Search Auction
Description:	Users can do auction and category-based searches.
Stockholders:	Seller, Bidder

ID: FR-06

Requirement Name:	Place bidding amount
Description:	all of the stakeholder can view the product and will see the amount after seeing the amount, bidder can bid the amount to that product.
Stockholders:	Seller, Bidder, admin

2.5 Dependability Requirements:

Four dimensions are used to quantify reliability. Those are -

- Availability.
- Usability.
- Security.
- Performance

Our application system must meet the four requirements if we wish to claim it is reliable.

However, there are additional duties. Like there should be no possibility to make mistakes, or at least our system should be able to identify and then fix faults. Additionally, it's crucial to minimize any harm that a system failure could potentially do.

Below are some non-functional needs for this system:

ID: N-FR-01
Requirement Name: Availability.
Description: It should be possible to access this system 24/7. Users only need a PC and an Internet connection to access the system anytime, anyplace.
Stockholders: Seller, Bidder, Admin.

ID: N-FR-0
Requirement Name: Usability.
Description: The system is quite interactive and has a friendly user interface..
Stockholders: seller, bidder. admin.

ID: N-FR-03
Requirement Name: Security
Description: The system must safeguard user and confidential data.
Stockholders: admin.

ID: N-FR-04
Requirement Name: Performance.
Description: This NFR speeds up your system.
Stockholders: seller, bidder, admin

Chapter 3

System Design

3.1 USE CASE:

Use cases are a way for locating, outlining, and organizing system needs in system analysis. The use case consists of a number of potential interactions between users and systems in a specific environment that are connected to a specific objective. The procedure generates a document that lists each step a user took to finish an activity.

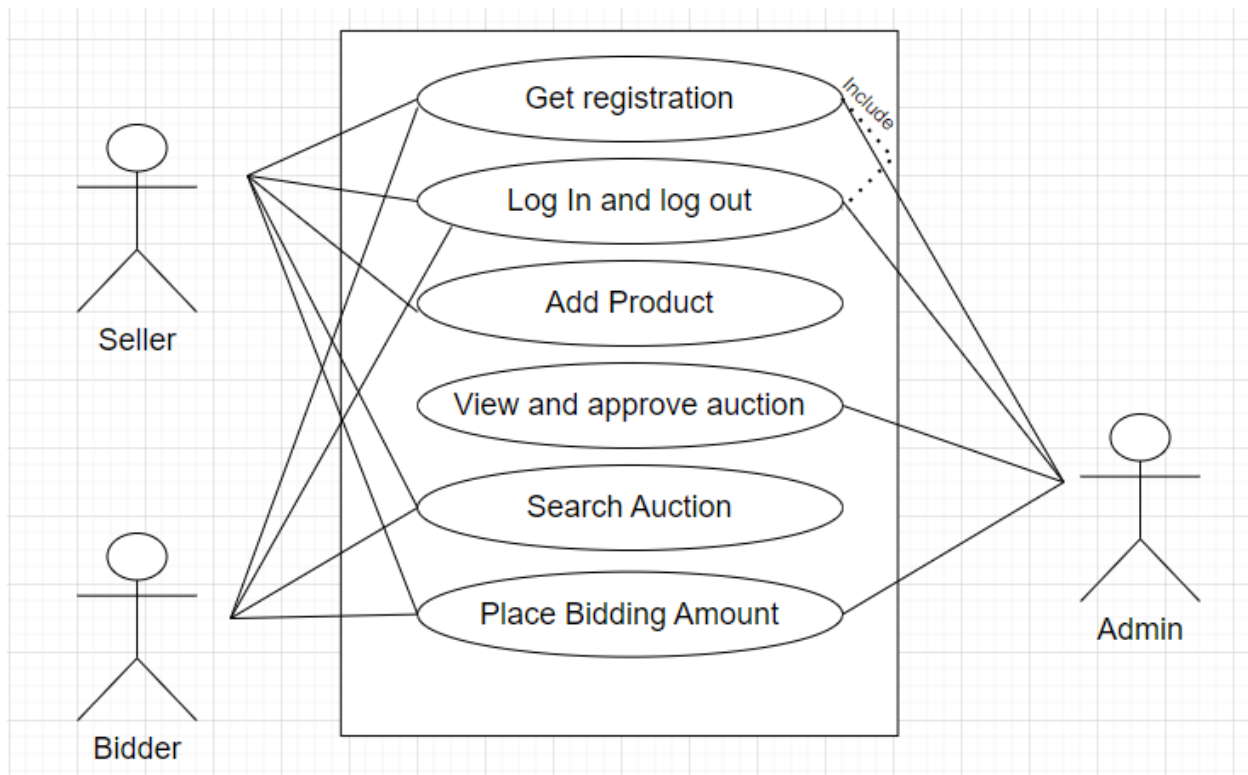


Figure 1 : Use case Diagram

Use Case Description

3.1.1 User Register

Use Case Title	Seller, bidder and admin can Register to the system
Goal	People can post products and place bids on them.
Preconditions	The system for receiving services requires customer registration. enter your email and password
Actors	Seller, Bidder and admin
Success End Condition	Successful customer registration
Failure End Condition	Error message
Trigger	Show service page
Description	Customers complete the required fields before registering.

3.1.2 Login and logout

Use Case Title	login and logout to the system
Goal	Anyone who wishes to list a product for auction must first log in to the system. Once logged in, they will log out for security if they don't do anything else.
Preconditions	User authentication is not allowed. Fill in your email and password.
Actors	Seller, bidder, admin
Success End Condition	Users who successfully register, log in, and finish their tasks will logout.
Failure End Condition	Unsuccessful authentication.
Trigger	Show the user home page.
Description	To sell a goods, a user must register with the system.

3.1.3 Add Product

Use Case Title	User can add product for auction to the system
Goal	Only seller can add product
Preconditions	Users must not be authenticated
Actors	Seller
Success End Condition	Submit a post successfully.
Failure End Condition	Unsuccessful and re-submitted post.
Trigger	Seller can add to sell their product
Description	Admin, seller, bidder can view all the product.

3.1.4 View and Approve Auction

Use Case Title	View and Approve Auction
Goal	Admin can approve the post
Preconditions	Post requirement must be full fill
Actors	Admin
Success End Condition	Post approved with success
Failure End Condition	Unsuccessful and re-submitted post.
Trigger	Registered users post approve by admin and view the product after that auction start
Description	Admin can see the view of product list. If the product required fulfill than Admin can approve seller auction post

3.1.5 Search Auction

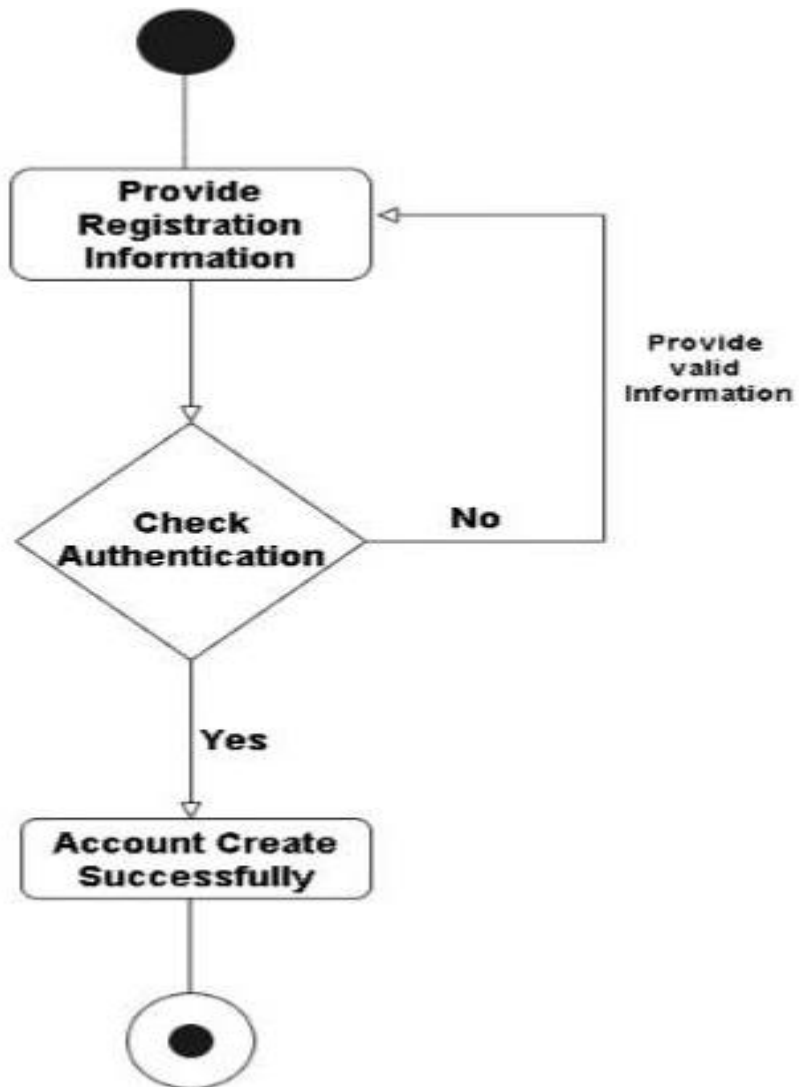
Use Case Title	Search auction in the system
Goal	Seller and bidder can search auction.
Preconditions	Users must not be authenticated.
Actors	Seller, Bidder
Success End Condition	Seller and bidder search auction successfully.
Failure End Condition	Seller and bidder cannot succeed in searching for auction
Trigger	Registered User can Search Product
Description	Users can perform a Product search and view all available Product details.

3.1.6 Place bidding amount

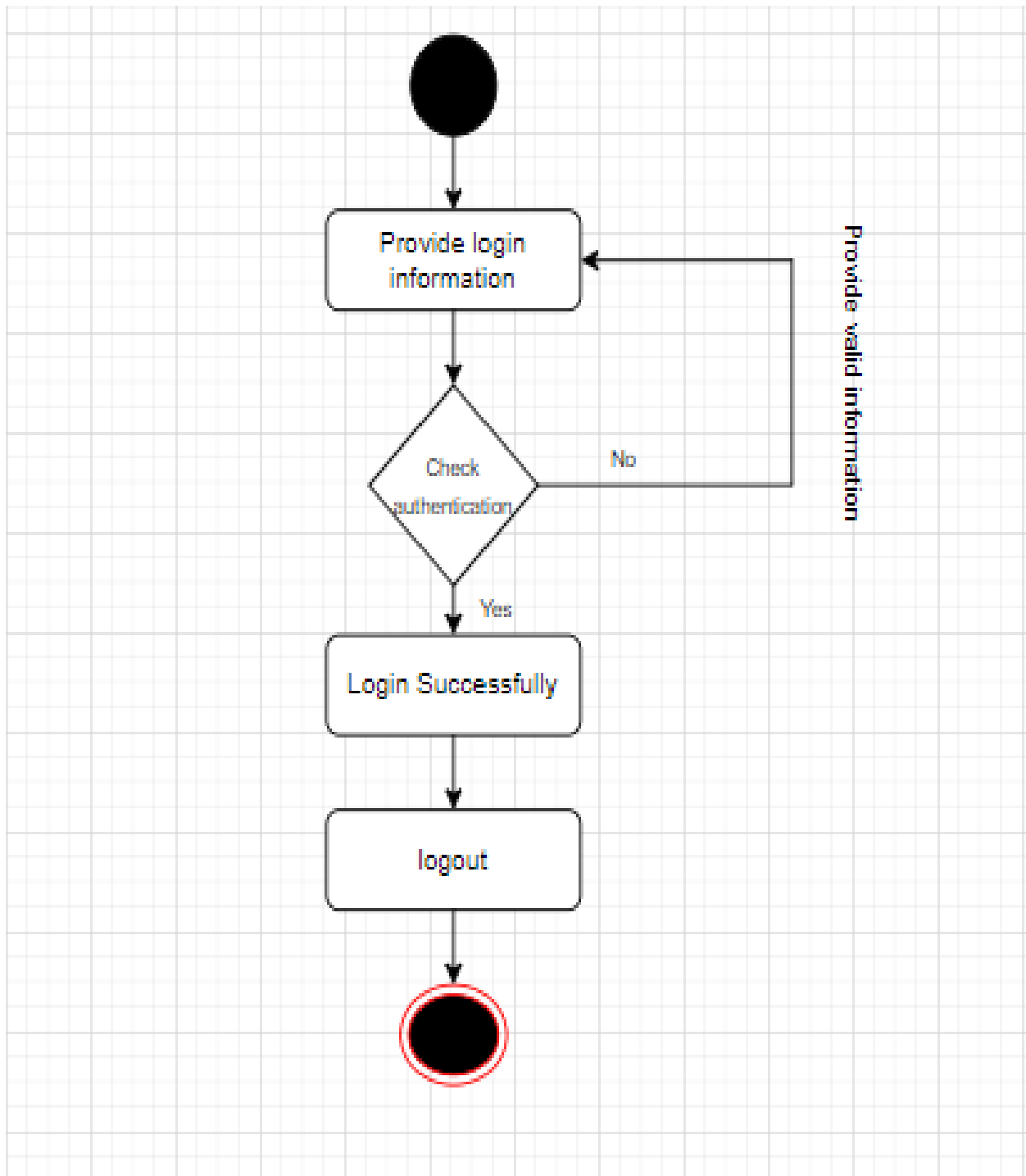
Use Case Title	Place bidding amount in the system
Goal	Seller, bidder and admin can bid the amount
Preconditions	Users must not be authenticated.
Actors	Seller, Bidder and admin
Success End Condition	Seller, bidder and admin can bid the amount successfully.
Failure End Condition	Seller, bidder and admin cannot succeed bid the amount
Trigger	Registered User can Search Product
Description	all of the stakeholder can view the product and will see the amount after seeing the amount, bidder can bid the amount to that product.

3.2 Activity Diagram

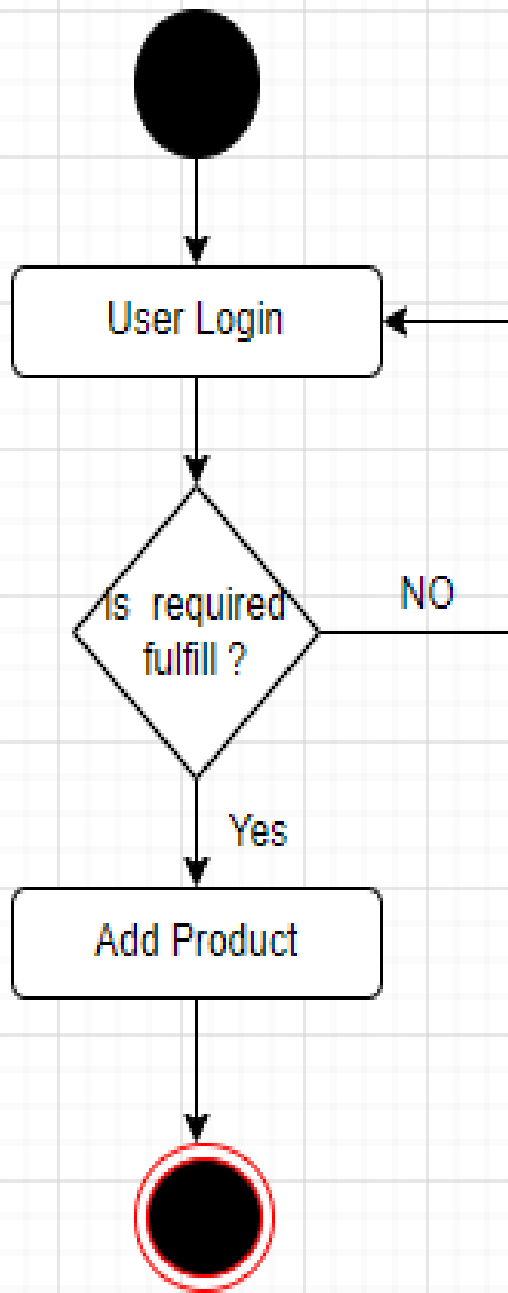
3.2.1 Activity Diagram for Get Register:



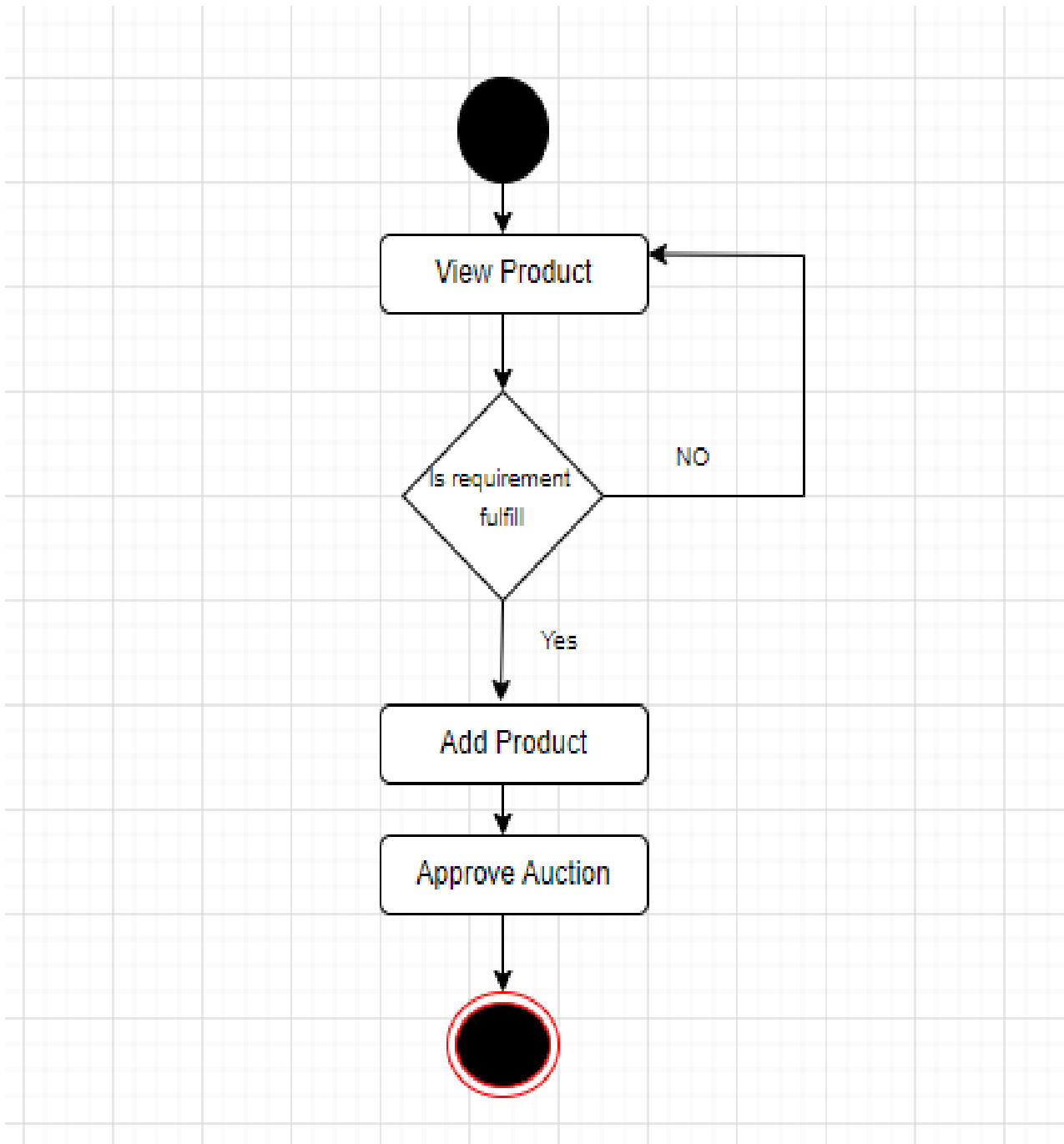
3.2.2 Activity Diagram for Login and Logout:



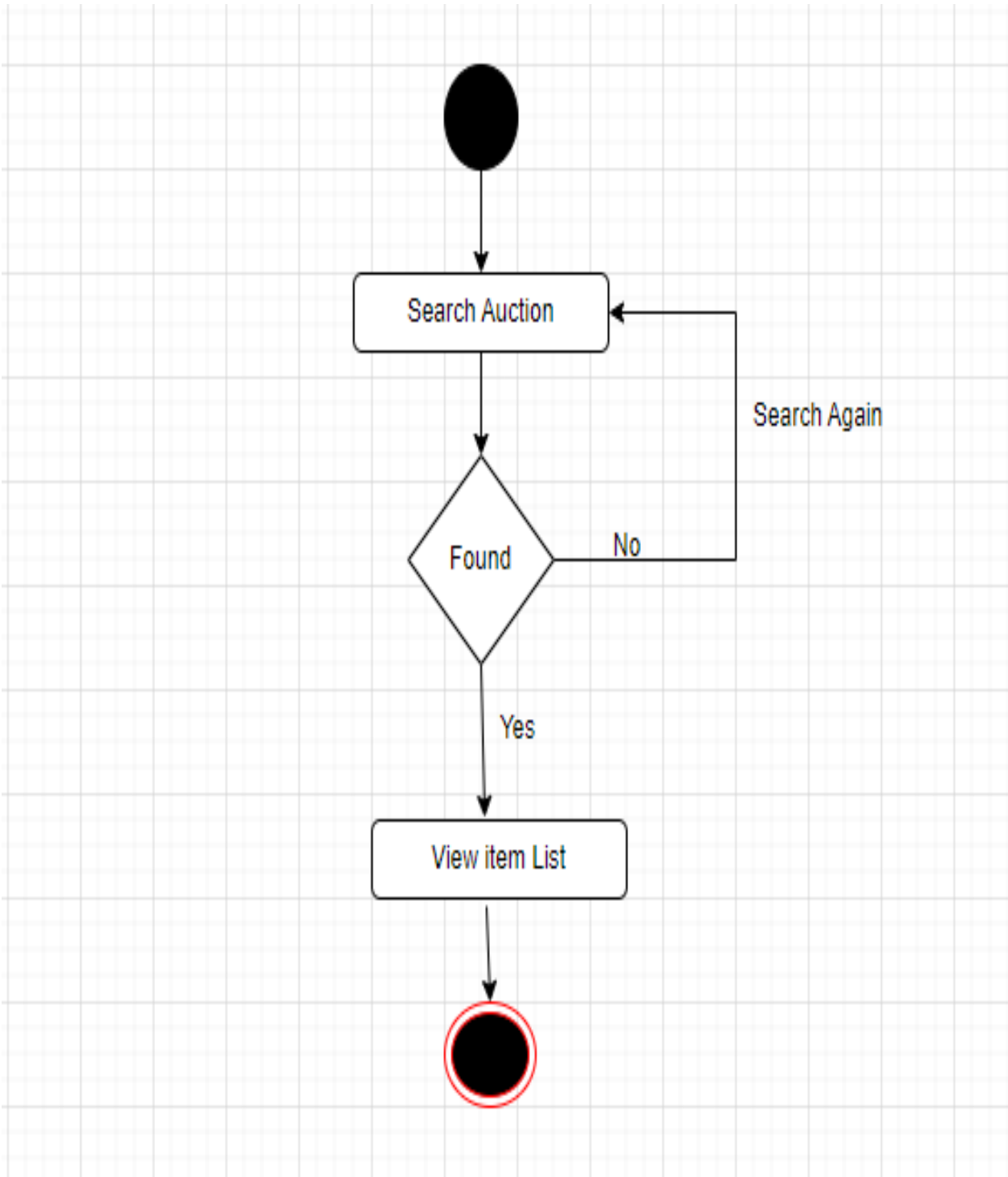
3.2.3 Activity Diagram for add product



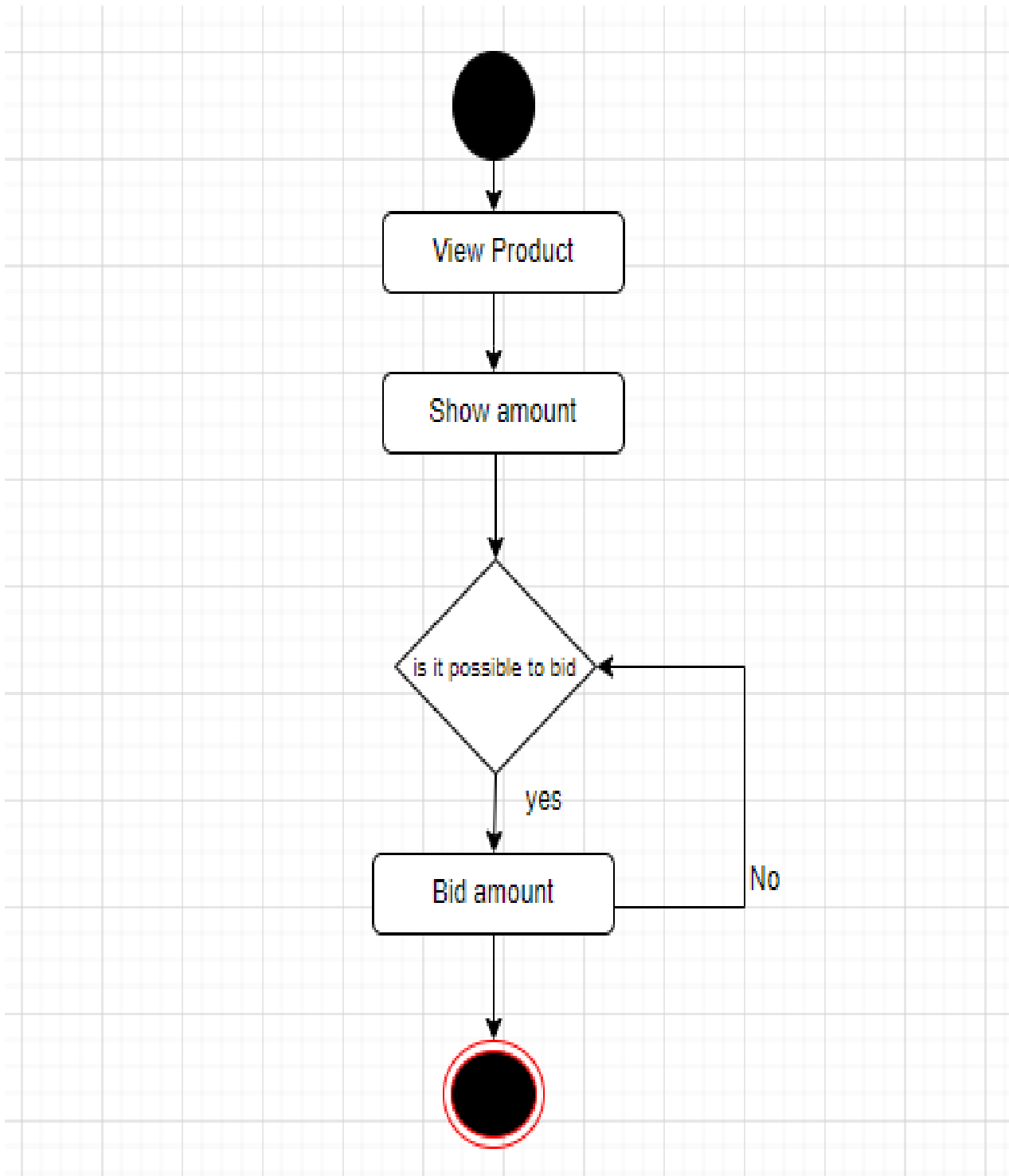
3.2.4 Activity Diagram for View and approved Auction:



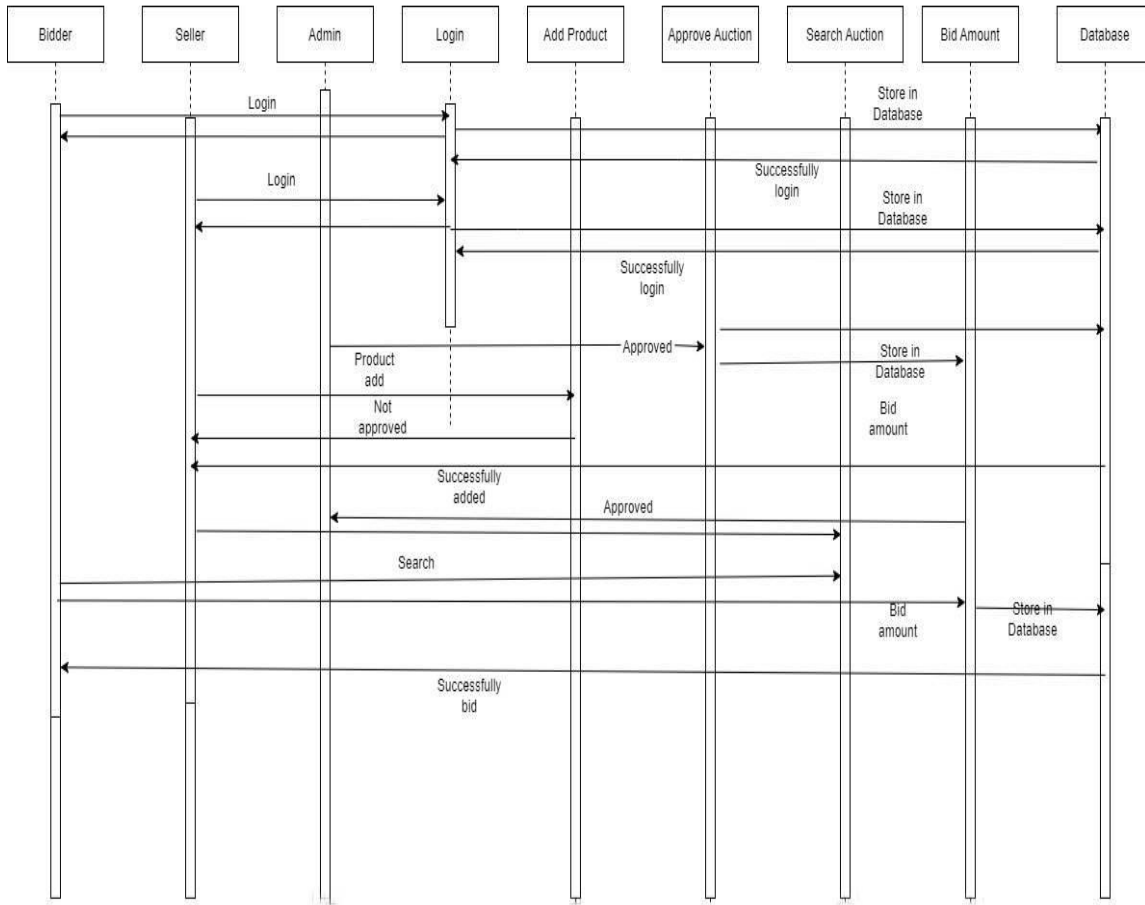
3.2.5 Activity Diagram for Search Auction:



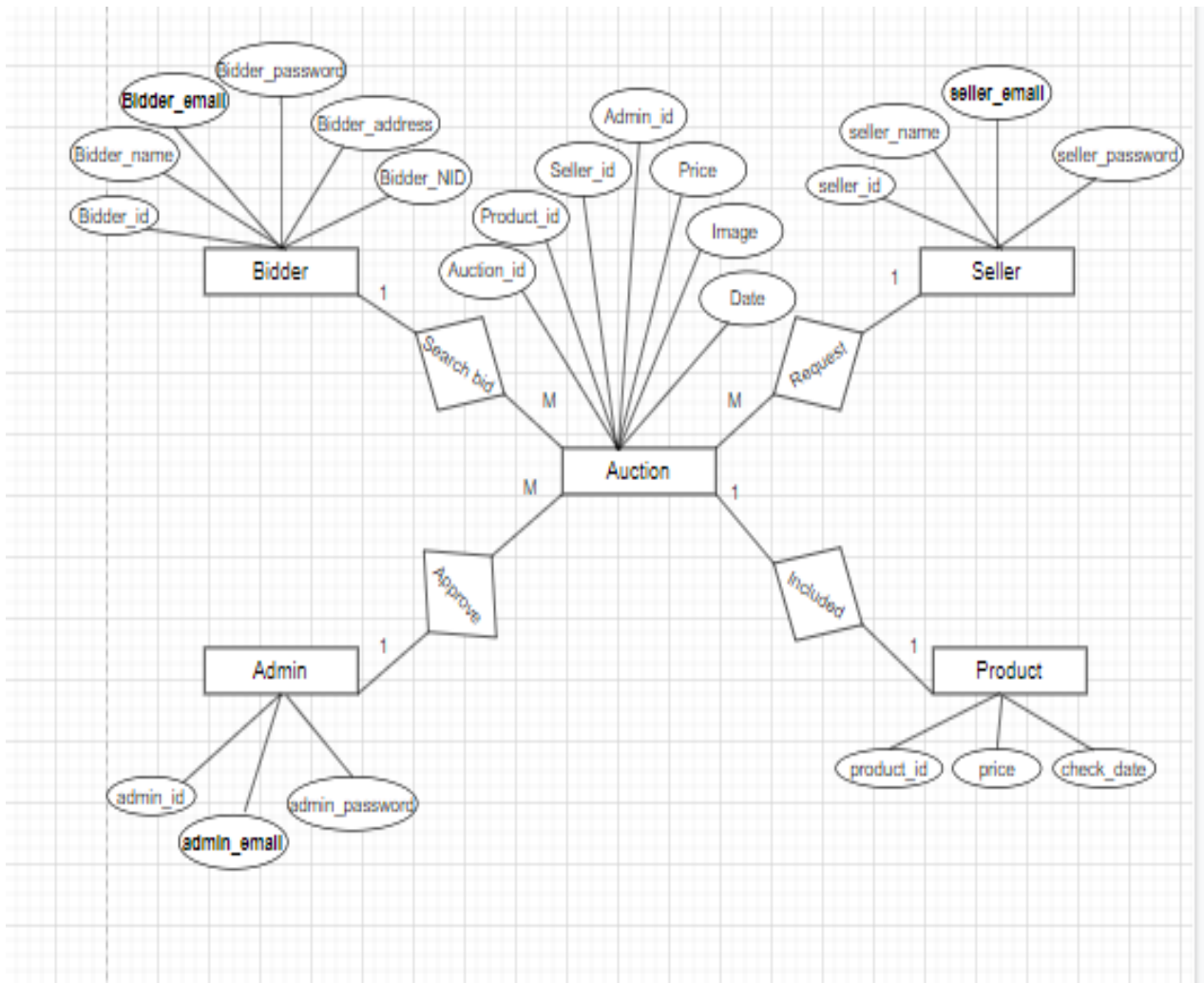
3.2.6 Activity Diagram for Place bidding amount:



3.3 Sequence Diagram



3.4 ER Diagram



Chapter 4

System Test & Development

4.1 Introduction

This online application, which provides auction services, will function with products. This system has a wide variety of users and functions. Thus, in my opinion, this application is necessary for this system. Testing must be carried out to guarantee application quality. Be careful with the data because the user will be providing product details. I have experience with the test that is provided here.

- Functional Testing
- Unit Testing.
- Integration Testing.
- System Testing,
- Acceptance Testing.

4.2 Features to be tested:

Feature	Description	Priority
Register	Once the user provided accurate information, registration was accomplished.	High
Login and logout	Anyone who wishes to list a product for auction must first log in to the system. Once logged in, they will log out for security if they don't do anything else.	High and medium
Add Product	Both the seller and the bidder may list their item with specifics.	High
View and Approve Auction	Admin can see the view of product list. If the product required fulfill than Admin can approve seller auction post	High
Search Auction	Users can do auction and category-based searches.	Medium
Place bidding amount	All of the stakeholder can view the product and will see the amount after seeing the amount, bidder can bid the amount to that product.	High

4.3 Testing Strategy:

One of the most crucial components in software engineering is the written test plan. I'll check that criterion first, and then I'll make sure the diagram functions properly. Keep the application running while I perform some testing. Functional testing came first, followed by unit testing, integration testing, system testing, and finally acceptance testing.

4.4 Test Case Table

Table 4.4.1: Registration

Test case #1	Test case name: registration
System: Online Bidding System	Subsystem: N/A
Designed by:	Designed date: 16/07/2022
Executed by:	Executed date: 17/05/2022

Short description: Once all conditions have been met, sellers, bidders, and administrators can register on the website.

Pre-conditions:

- User must Select the registration form.

Step	Action	response	Pass/Fail	Comment
1	In registration all field are not fill up	Fields must not be empty. Out.	Pass	
2	All field are fill up But password and retype password must be matching.	Application will save that information.	Pass	

Post-conditions: Session will be destroyed

4.5 Development

User Interface Tech

- Vue.js
- Framework: Nuxt.js
- PHP
- Framework: Laravel
- Database: Sql/ MariaDB

Implementation tools and platforms

- Package: Docker (with Sail).
- Editor: Visual Studio code
- OS: WSL 2 on Windows 11

4.5.1 Reason behind choosing:

- Nuxt.js: To make the presentation layer interactive JavaScript is used and jQuery is its library. And also, I am using Chart.js.
- Laravel with PHP: I use Laravel 8 Version. It is a framework of PHP which uses MVC pattern and used for connecting presentation layer with data layer.
- MariaDB: MySQL is a database to manage and manipulate data to make connections with the application layer.
- Docker: Easy to use Production ready env

Chapter 5

Risk Management

5.1 Software Risk Identification

The process of developing and carrying out decisions that will reduce a risk's negative impact on an organization is known as risk management. Risk's negative consequences can be objective or quantifiable, like insurance premiums and claim expenses, or they can be subjective and challenging to define, like reputational harm or lost productivity. By paying close attention to risk and allocating the required resources to control and mitigate risk, a firm can safeguard itself against uncertainty, cut costs and time commitment, and improve business continuity.

he likelihood of the risk is categorized as follows:

Probability Of the Risk		
Certain	5	The risk has a greater than 60% chance of happening.
Likely	4	The risk has a higher-than-average likelihood of happening (between 54% and 91% chance).
Possible	3	The risk has a decent chance of happening (25% to 60% chance).
Unlikely	2	The risk has a 10% to 20% chance of happening, which is rare but not impossible.
Rare	1	The risk has a 5% chance of not happening.

5.1.1: Impact of the Risk categories:

Impact of the risk

Catastrophic	5
Major	4
Moderate	3
Minor	2
Negligible	1

Chapter 6

Conclusion

6.1 Project Summary:

My project has been underway since July My supervisor and I initially talked about the features, and then I wrote them down. I began the UML diagram and database design when I had confirmed the features. I began the coding phase of my project after verifying the schematic and system design. I began testing after finishing the coding phase. My supervisor assisted me because I had been given some testing information to get started.

6.2 Limitation:

I did my best to improve the application and meet the needs, but some of them might not have been created for the current situation.

6.3 Future Scope:

This endeavor taught me a lot, I believe. I'm grateful to everyone who assisted me and provided me with such a better opportunity. This experience, I believe, will be beneficial to me in the future and will enable me to develop new features.

Chapter 7

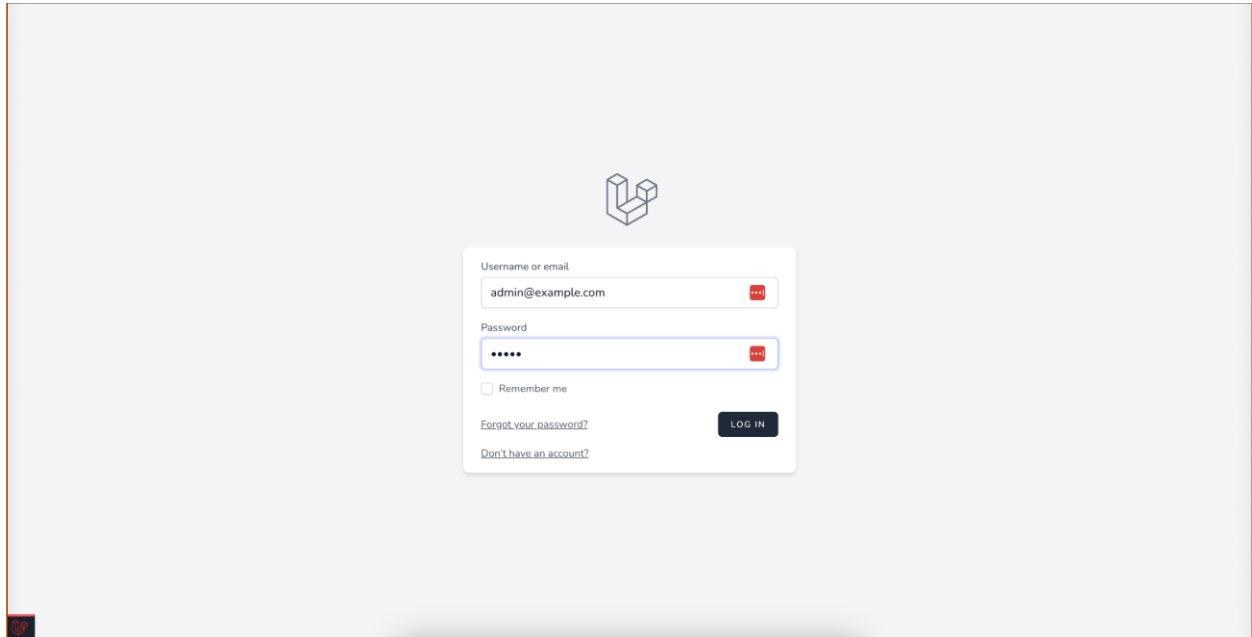
7. References

From various platforms, I have learned a few things. I will undoubtedly mention those references. Those resources are a big assistance to me in finishing my project successfully. I'll now list the names in the list below.

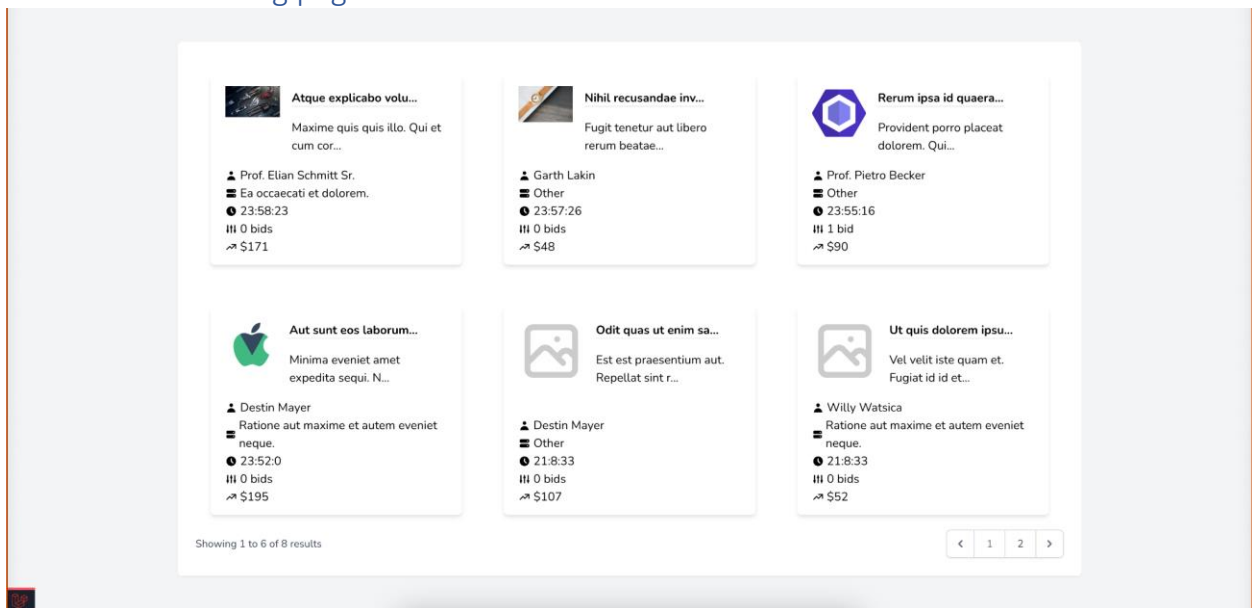
- <https://www.google.com/>
- <https://www.w3schools.com/>
- <https://laravel.com/>
- <https://nuxtjs.org>
- <https://hackr.io/tutorials/learn-laravel>
- <https://www.youtube.com/>
- https://www.w3schools.com/php/php_mysql_intro.asp
- <https://www.oracle.com/mysql/>
- <https://www.tutorialspoint.com/laravel/index.htm>
- <https://github.com/who-jonson/sakai-nuxt>

7.1 Project Screen shot:





















Login page:



Products for bidding page:



Product list page:

Name	Seller	Category	Status		
Atque explicabo voluptates ducimus.	admin	Ea occaecati et dolorem.	On sale		
Nihil recusandae inventore et quisquam.	molitia	Other	On sale		
Aut et sint sunt enim magni.	id	Ea occaecati et dolorem.	Out		
Qui non mollitia rerum dolores.	repudiandae	Quidem quasi laboriosam sapiente aut natus.	Out		
Rerum ipsa id quaerat soluta.	dolorem	Other	On sale		
Aut sunt eos laborum aut ut.	repudiandae	Ratione aut maxime et autem eveniet neque.	On sale		
Adipisci et quisquam facere aut.	dolorem	Ea occaecati et dolorem.	Sold		
Odit quas ut enim sapiente in ut nisi.	repudiandae	Other	On sale		
Ut quis dolorem ipsum.	adipisci	Ratione aut maxime et autem eveniet neque.	On sale		
Et et error ipsam beatae molestiae.	dolorem	Est excepturi ipsam iste.	Sold		

Showing 1 to 10 of 20 results

< 1 2 >

Product edit page:

Edit lot: Nihil recusandae inventore et quisquam.

Lot name
Nihil recusandae inventore et quisquam.

Lot description
Fugit tenetur aut libero rerum beatae voluptate. Hic blanditiis et sequi. Hic nulla voluptate quod.


Select category
Other

Start price
48

Lot image
Choose files No file chosen

Put up for sale

Update



Product Bid page:

The screenshot shows a web application interface for a product bid. At the top, there is a navigation bar with a logo, "Dashboard", "Lots", and "Create lot" links. On the right, a user profile for "Prof. Eilan Schmitt Sr." is visible. Below the navigation, a header reads "Nihil recusandae inventore et quisquam." The main content area features a product listing for a watch. The watch is described as "On sale" and is currently priced at "\$48". The seller is identified as "Garth Lakin" and there are "0 bids" shown. A placeholder text "Fugit tenetur aut libero rerum beatae voluptate. Hic blanditiis et sequi. Hic nulla voluptate quod." is present. Below the text is an image of a gold watch with a brown leather strap. At the bottom of the listing, there is an input field and a green "Bid" button.

Product Bid (success) page:

The screenshot shows the same web application interface as the previous one, but with a success message. A green banner at the top of the main content area reads "Your bid is accepted." The product listing for the watch now shows a price of "\$80" and "1 bid". The seller remains "Garth Lakin". The placeholder text and the watch image are identical to the previous screenshot. The "Bid" button is still present at the bottom of the listing.

User edit page:

Dashboard Lots Create lot

Prof. Elian Schmitt Sr. ▾

Edit user

Username
admin

Name
Prof. Elian Schmitt Sr.

Email
admin@example.com

Upload profile photo
Choose file No file chosen

Save profile

User list page:

Dashboard Lots Create lot

Prof. Elian Schmitt Sr. ▾

Users

Username	Name	Email	
admin	Prof. Elian Schmitt Sr.	admin@example.com	
id	Dr. Patricia Rau MD	filomena57@example.com	
placeat	Rashawn Walsh	bianka.lebsack@example.org	
culpa	Antonia Schaefer	callie67@example.com	
dolorem	Prof. Pietro Becker	witting.cortez@example.org	

Showing 1 to 5 of 11 results

< 1 2 3 >

Improvement planning for design:

The image displays two views of the Bidding Zone website. The top view is a landing page with a light green and blue background. It features the Bidding Zone logo, navigation links (Home, Features, Highlight, Pricing), and user options (Login, Register). The main heading is "Welcome to Online Bidding Zone" with a sub-heading "Sed blandit libero volutpat sed cras. Fames ac turpis egestas integer. Placerat in egestas erat..." and a "Get Started" button. A preview of the dashboard is shown on the right.

The bottom view is a dashboard with a white background and a blue header. It includes the Bidding Zone logo, a menu icon, and user profile icons. The dashboard is divided into several sections:

- Orders:** 152, 24 new since last visit.
- Revenue:** \$2,100, %52+ since last week.
- Customers:** 28441, 520 newly registered.
- Comments:** 152 Unread, 85 responded.
- Recent Sales:** A table listing items like Bamboo Watch, Black Watch, Blue Band, Blue T-Shirt, and Bracelet with their prices and view options.
- Sales Overview:** A line chart showing Revenue (black line) and Sales (green line) from January to July.
- Notifications:** A section for today's notifications.

Image	Name	Price	View
	Bamboo Watch	\$65.00	View
	Black Watch	\$72.00	View
	Blue Band	\$79.00	View
	Blue T-Shirt	\$29.00	View
	Bracelet	\$15.00	View


Month	Revenue	Sales
January	65	30
February	60	48
March	80	40
April	80	20
May	55	85
June	55	30
July	40	90

All Products

Sort By Price




Accessories INSTOCK




Bamboo Watch
Product Description

★★★★★
\$65




Accessories INSTOCK




Black Watch
Product Description

★★★★☆
\$72




Fitness LOWSTOCK




Blue Band
Product Description

★★★★☆
\$79




Clothing INSTOCK




Blue T-Shirt
Product Description

★★★★★
\$29




Accessories INSTOCK




Bracelet
Product Description

★★★★☆
\$15




Accessories OUTOFSTOCK



Brown Purse
Product Description

★★★★☆
\$120





Welcome, Ash!

Sign in to continue

Email

Password

Remember me

[Forgot password?](#)

8. Plagiarism Report

12/15/22, 4:54 PM

Turnitin - Originality Report - 181-35-2442

Turnitin Originality Report

Processed on: 12/15/2022 4:54 PM
 ID: 188926888
 Word Count: 3024
 Submitted: 1

181-35-2442 By Ashpriya Talukder

Similarity Index	Similarity by Source
24.9%	Internet Sources: 10% Publications: 1% Student Papers: 14%

7% match (Internet from 21-Nov-2022)

<https://www.daffodiluniversity.edu.bd/2022/11/21/188926888/181-35-2442/2022-11-21/188926888-1>

7% match (Internet from 15-Aug-2022)

<https://www.daffodiluniversity.edu.bd/2022/08/15/188926888/181-35-2442/188926888-1>

7% match (Internet from 09-Mar-2022)

<https://www.daffodiluniversity.edu.bd/2022/03/09/188926888/181-35-2442/188926888-1>

7% match (Student papers from 26-Sep-2022)

Submitted to King's Open Institute on 2022-09-26

1% match (Internet from 21-Nov-2022)

<https://www.daffodiluniversity.edu.bd/2022/11/21/188926888/181-35-2442/188926888-1>

1% match (Internet from 26-Oct-2022)

<https://www.daffodiluniversity.edu.bd/2022/10/26/188926888/181-35-2442/188926888-1>

1% match (Internet from 21-Nov-2022)

<https://www.daffodiluniversity.edu.bd/2022/11/21/188926888/181-35-2442/188926888-1>

1% match (Internet from 21-Nov-2022)

<https://www.daffodiluniversity.edu.bd/2022/11/21/188926888/181-35-2442/188926888-1>

1% match (Internet from 26-Oct-2022)

<https://www.daffodiluniversity.edu.bd/2022/10/26/188926888/181-35-2442/188926888-1>

1% match (Student papers from 08-Oct-2022)

Submitted to University of Colorado on 2022-10-08

1% match (Student papers from 08-Oct-2022)

Submitted to University of Colorado on 2022-10-08

1% match (Internet from 24-Nov-2022)

<https://www.daffodiluniversity.edu.bd/2022/11/24/188926888/181-35-2442/188926888-1>

1% match (Student papers from 20-Jan-2022)

Submitted to University of Colorado on 2022-01-20

1% match (Student papers from 26-Aug-2022)

Submitted to University of North Carolina on 2022-08-26

1% match (Student papers from 20-Aug-2022)

Submitted to MIT Submission on 2022-08-20

1% match (Student papers from 07-Apr-2022)

Submitted to University of North Carolina on 2022-04-07

< 1% match (Student papers from 27-Jul-2022)

Submitted to North Carolina State University on 2022-07-27

< 1% match (Internet from 24-Sep-2022)

<https://www.daffodiluniversity.edu.bd/2022/09/24/188926888/181-35-2442/188926888-1>

Online Building System Submitted By Ashpriya Talukder 181-35-2442 [Department of Software Engineering Daffodil International University](#). Supervised By: Md. Khairul Haque Assistant Professor Department of Software Engineering Daffodil International University. A project submitted in partial fulfillment of the requirement for the degree of Bachelor of Science in Software Engineering. Approval Declaration: Acknowledgment I want to start by thanking the [Honorable Dean, Daffodil International University](#) for his kind support and encouragement. I also like to thank Md. Khairul Haque, my honorable supervisor from the [Faculty of Software Engineering, Daffodil International University](#), for his wonderful advice and his believing that I could finish this job. I would like to extend my sincere gratitude to the [Head of the Department of](#)

https://www.turnitin.com/newreport_printview.asp?eq=1&id=1&sem=10&oid=1811820654&uid=54&v=0&m=2&sv=21&r=27.9278899854498&lang=en... 1/3

[supporting me and giving me that chance. I am appreciative of my parents', family, friends',](#)
[seniors', and juniors' patience, support, and encouragement over the course of my education. I want to send my warmest](#)
[greetings to all the professors, friends, and staff at our university. I would like to extend my sincere gratitude to my](#)
[Dean William J. Hunt for Chair of the Student Excellence Award.](#) As well as to the other professors and employees
[of the Ohio Department of Criminal Rehabilitation University](#), for their kind assistance in completing our project. Table of
 Contents Approval Declaration Acknowledgment [Project Information](#) 1.1 Introduction 1.2 Purpose 1.3 Objectives
 Overview 1.4 Problem Statement 1.5 Goals 1.6 Stakeholders 1.7 Project Schedule 1.8 Gantt Chart [Chapter 2 System](#)
[Requirements](#) 2.1 Requirements Gathering 2.2 Analysis 2.3 Design 2.4 Requirements Specification 2.5
 Dependency Requirements: Chapter 3 System Design 3.1 User Cases: Use Case Description 3.1.1 User Register 3.1.2
 Login and Logout 3.1.3 Add Product 3.1.4 View and Approve Auction 3.1.5 Search Auction 3.1.6 Place Bidding Amount 3.2
 Activity Diagram 3.2.1 Activity Diagram for User Register; 3.2.2 Activity Diagram for Login and Logout; 3.2.3 Activity
 Diagram for add product 3.2.4 Activity Diagram for 'View and approved Auction; 3.2.5 Activity Diagram for Search
 Auction; 3.2.6 Activity Diagram for Place Bidding Amount; 3.3 Sequence Diagram 11 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 12 12 12 13 14 15 16 17 18 19 20 21 22 23 24 25 2.4 SRC Diagram [Chapter 3 System Test & Maintenance](#) 4.1
[Introduction](#) 4.2 [Test Management as a Software Risk Management](#) 4.3 [Manual Testing](#) 4.4 [Test Case Writing](#) 4.5 [Development & 1 Regression](#)
[Testing](#) 4.6 [Test Case Management as a Software Risk Management](#) 5.1.1 Impact of the Risk categories: [Chapter 6](#)
[Conclusion](#) 6.1 [Project Summary](#) 6.2 [Limitations](#) 6.3 [Future Work](#) Chapter 7.7. References 7.1Project Screen shot
 Login page product for bidding page products bid page products add page products bid products bid success page user
 bid page user edit page improvement planning design 26 27 27 27 28 29 30 31 31 31 31 31 32 33 33 33 33 34 34 35
 35 36 36 37 37 38 38 39 Chapter 01 Introduction 1.1 Introduction One type of unique business platform is the online
 auction. Both the bidder and the seller use the mechanism. 1.2 Purpose The "online Bidding system" project will gain
 some insight from the text. The main goal of this text is to provide useful information for readers and their job. The
 benefits of the project are highlighted in this document. In this document, the topics of requirements, design,
 implementation, and testing will be covered. 1.3 project Overview This project utilizes an online auction and a CSC
 business model. Anyone who wishes to effortlessly auction their product can do so with this project. A bidder may place
 numerous bids. The seller may state a firm asking price. Customers can speak with sellers directly. 1.4 Problem
 Statement Masfiah Rafiq, one of the nation's favorite cricket players, had his bid put up for auction in order to
 generate money to combat the deadly Covid-19 outbreak. He asserted, however, that the majority of the bidders were
 female. Bangladesh does not have any reliable online auction businesses. Therefore, I made the website "Bidding Ziner"
 after reading the decision. 1.5 Goals The web-based application is the major focus of this project. The majority of people
 rely on the internet currently, however Bangladesh has very few auction websites. The primary goal of this project is to
 improve the CSC Business Service 1.6 Stakeholders Three categories of stakeholders are involved in this "online Bidding
 System" initiative. like as: Admin + Seller + Bidder 1.7 [Project Schedule](#) Table 1.7: [Project schedule](#) [System](#)
[Analysis](#) [Final User Requirements](#) Week 1 2 3 2 Problem Analysis Week-1,4,5 3 Requirement analysis Week-6,7 2
 Mocking Week-8,9 2 Design specification Week-12,11,12 3 Database Design Week-13,14 2 Code Implementation Week-
 15, 16, 17,18,19,20 2 Testing Week-21, 22 3 Project Delivery Week-23 1 1.8. Gantt Chart The horizontal lines in a Gantt
 chart represent the set of tasks completed within a given time frame. Chapter 2 System Analysis 2.1 Requirement
[Analysis](#) [The system is defined user interaction for a future application is known as requirements analysis. It entails](#)
[all of the activities carried out to determine the requirements of various stakeholders.](#) Analysis of software or system
 requirements hence refers to the process of [elucidating, identifying, and analyzing](#) those requirements.
[Irreducibility requirements are those that are referred to, make system design easier, are fundamental, achievable,](#)
[workable, feasible, and traceable.](#) 2.2 Requirement Gathering Any project management process must include
 requirements collection. It is essential to [understand the user requirements of the system](#) if you want to [develop](#)
[software.](#) requirements gathering seems routine, it is actually [an essential component of the software](#). 2.3 Feature
 1.Set Registration 2.Login and Logout 3.Add Product 4.view and Approve Auction 5.Search Auction 6.Place Bidding
 Amount. 2.4 Requirement Specification for any application, functional requirements are a requirement. The following
 functional requirements apply to the system: ID: FR-01 Requirement Name: Get Registration Description: Once the user
 provided accurate information, registration was accomplished. Stakeholders: Seller, Bidder, Admin ID: FR-02 Requirement
 Name: Login and Logout Description: Anyone who wishes to bid a product for auction must first log in to the system.
 Once logged in, they will log out for security if they don't do anything else. Stakeholders: Seller, Bidder, Admin ID: FR-03
 Requirement Name: Add Product Description: Both the seller and the bidder may bid their item with specific
 Stakeholders: Seller ID: FR-04 Requirement Name: View and Approve Auction Description: Admin can see the site of
 product bid. If the product required bid then Admin can approve seller auction post Stakeholders: admin ID: FR-05
[Requirement Name: Search Auction Description: Users can do auction with category-based searches.](#) Stakeholders:
 Seller, Bidder ID: FR-06 Requirement Name: Place Bidding Amount Description: All of the stakeholder can view the
 product and will see the amount after seeing the amount, bidder can bid the amount to bid product. Stakeholders:
 Seller, Bidder, Admin 2.5 Dependency Requirements: Four dimensions are used to quantify reliability. Those are - +
 Availability - + Usability - + Security - + Performance Our application system must meet the four requirements if we wish to
 claim it is reliable. However, there are additional duties. Like there should be no possibility to make mistakes, or if that
 our system should be able to identify and then fix faults. Additionally, it's crucial to monitor any form that a system
 failure could potentially do. Below are some non-functional needs for this system: ID: NFR-01 Requirement Name:
 Availability Description: It should be possible to access the system 24/7. [Users can send a RT and all features](#)
[available to access the system anytime, anywhere.](#) Stakeholders: Seller, Bidder, Admin. ID: NFR-0 Requirement Name:
 Usability Description: The system is quite interactive and has a friendly user interface. . Stakeholders: Seller, Bidder,
 Admin. ID: NFR-03 Requirement Name: Security Description: The system must safeguard user and confidential data.
 Stakeholders: Admin. ID: NFR-04 Requirement Name: Performance. Description: This NFR speeds up your system.
 Stakeholders: seller, Bidder, Admin Chapter 3 System Design 3.1 [USE CASE: THE USER CAN VIEW THE SYSTEM, CUSTOMER](#)
[AND MANAGER SYSTEM BIDDING IN SYSTEM ONLINE. THE USE CASE CONSISTS OF A NUMBER OF RELATED INTERACTIONS \(USERS\)](#)
[AND THE SYSTEM IN A SEQUENTIAL MANNER THAT ARE CONNECTED TO A SINGLE OBJECT. THE CONNECTION BETWEEN A](#)
[ELEMENT THAT FORMS PART OF A USE CASE IS KNOWN AS A USE CASE.](#) Figure 1 [Use case Diagram Use Case Description](#) 1.1.1
 User Register Use Case Title Seller, bidder and admin can register to the system Goal People can post products and place
 bids on them. Precondition: The system for receiving services requires customer registration, enter your email and
 password Action Seller, Bidder and Admin Success End Condition Successful customer registration [Success End Condition](#)
 Error message [Success](#) Wire service page Description Customers complete the required field before registering. 1.1.2
 Login and Logout Use Case Title login and logout to the system Goal Anyone who wishes to bid a product for auction must
 first log in to the system. Once logged in, they will log out for security if they don't do anything else. Precondition: user
 authentication is not allowed. FR in your email and password. Action Seller, Bidder, Admin Success End Condition User
 who successfully register, log in, and then they needs will logout. Failure End Condition Unsuccessful authentication.
 Trigger Show the user home page. Description To bid a goods, a user must register with the system. 1.1.3 Add Product
 Use Case Title User can add product for auction to the system Goal Only seller can add product Precondition: User must
 not be authenticated Action Seller Success End Condition Submit a post successfully. Failure End Condition Unsuccessful
 and re-submitted post. Trigger Seller can add to sell their product Description Admin, seller, bidder can view all the
 product. 3.1.4 View and Approve Auction Use Case Title View and Approve Auction Goal Admin can approve the post

Prerequisites Post requirement must be full to Admin Admin Success and Condition Post approved with success future and Condition unsuccessful and re-submitted post. Trigger Registered users post approve by admin and view the product after that auction start Description Admin can see the view of product list. If the product required full then Admin can approve seller auction post 2.1.3 Search Auction Use Case Title Search auction in the system that seller and bidder can search auction. Prerequisites Users must not be authenticated, Admin Seller, Bidder Success and Condition seller and bidder search auction successfully. Future and Condition seller and bidder cannot succeed in searching for auction Trigger Registered User can search Product Description User can perform a Product search and view all available Product details. 3.1.6 Place bidding amount Use Case Title Place bidding amount in the system Goal: seller, bidder and admin can bid the amount Prerequisites Users must not be authenticated, Admin Seller, Bidder and admin Success and Condition seller, bidder and admin can bid the amount successfully. Future and Condition seller, bidder and admin cannot succeed bid the amount Trigger Registered User can search Product Description all of the stakeholder can see the product and will see the amount after seeing the amount, bidder can bid the amount to that product. 3.2 Activity Diagram 3.2.3 Activity Diagram for Get Register: 3.2.3 Activity Diagram for Login and Logout: 3.2.3 Activity Diagram for add product 3.2.4 Activity Diagram for View and approved Auction: 3.2.5 Activity Diagram for Search Auction: 3.2.6 Activity Diagram for Place bidding amount: 3.2 Sequence Diagram 3.4 ER Diagram consider a system that is the following 3.5. [Download the entire program](#), which provides auction [system.pdf](#) function with products. This system has a wide variety of users and functions. Thus, in my opinion, this application is necessary for this system. Testing must be carried out to guarantee application quality. Be careful with the data because the user will be providing product details. I have experience with the test that is provided here. • [Functional Testing](#) • [Unit Testing](#) • [Integration Testing](#) • [System Testing](#) • [Acceptance Testing](#) • [Performance to be tested](#) Feature Description Priority Register Once the user provided accurate information, registration was accomplished. High Login and Logout Anyone who wishes to bid a product for auction must first log in to the system. Once logged in, they will log out for security if they don't do anything else. High and Medium Add Product Both the seller and the bidder may bid their item with specifics. High View and Approve Auction Admin can see the view of product list. If the product required full then Admin can approve seller auction post High Search Auction Users can do auction and category-based searches. Medium Place bidding amount All of the stakeholder can view the product and will see the amount after seeing the amount, bidder can bid the amount to that product. High 4.3 Testing Strategy: One of the most crucial components in software engineering is the written test plan. [pdf check the criteria first](#), [and then try](#) make sure the diagram functions properly. Keep the Application running while I perform some testing. Functional testing case first, [followed by unit testing](#), [integration testing](#), [system testing](#), [and finally acceptance testing](#). 4.4 Test Case Table table 4.4.1. Registration [test case #1 test case name](#): registration [system](#): Online Bidding System [subsystem](#): bid [timestamp](#): 18/07/2022 [created by](#): [Eka-wid3333](#), 17/07/2022 [test description](#): Once all conditions have been met, sellers, bidders, and administrators [can register](#) on the website. [Prerequisites](#) • User must [submit the registration form](#). [Step Action](#) [expected Result](#) [Test Case #1](#) In registration [on field](#) [which must not be empty](#): Nil as empty. Out: Pass 2.All field are fill up but password and retype password must be matching. Application will give that Pass Information. [Test Description](#): [System will be destroyed](#) 3.1. [Development](#) User Interface Tech • Vue.js • Framework: Next.js • PHP • Framework: Laravel • Database: Sqlj MySQL Implementation tools and platforms • Package: Docker (with Git). • Editor: Visual Studio code • OS: Win. 3 on Windows 10 4.3.1 Reason behind choosing: • Next.js: [because the framework gives interactive capabilities to user and it can be used](#). And also, I am using Chart.js. • Laravel with PHP: I use Laravel 8 Version. It is a framework of PHP which uses MVC pattern [and used for connecting web browser with data base](#). • MySQL: [because it is suitable for storing the database data to make connections with the application layer](#). • Docker: Easy to use Production ready dev [container](#) 5. [Risk Management](#) 5.1 Software Risk Identification. The process of developing and carrying out decisions that will reduce a risk's negative impact. [The process of identifying, analyzing, or controlling risks](#) consequences can [adverse](#) or [positive](#), like [weather forecasting](#) data expert. [It](#) they can be [adverse and](#) challenging [to](#) define, like [weather](#) data, harm or not productively. [In general](#) data intended to [use and](#) although the required [concerned to](#) [control and](#) [mitigate risk](#) [to](#) [less](#) can mitigate [that](#) against [particular](#) [and](#) [with](#) [any](#) time commitment, and improve business continuity. In [likelihood of the risk](#), is [categorized](#) as follows: [likelihood of the risk](#) [chapter 5](#) The risk has a greater than 80% chance of happening. Likely 4 the risk has a higher-than-average likelihood of happening (between 54% and 81% chance). Possible 3 the risk has a decent chance of happening (25% to 50% chance). Unlikely 2 the risk has a 10% to 20% chance of happening, which is rare but not impossible. Rare 1 The risk has a 5% chance of not happening. 5.1.1 Impact of the Risk, categorized: [Impact of the risk](#) [probability of the risk](#) [chapter 5](#) [Chapter 6](#) [Conclusion](#) 6.1 Project Summary: My project has been underway since July My supervisor and I initially talked about the features, and then I wrote them down. I began the UML diagram and database design when I had confirmed the features. I began the coding phase of my project after verifying the schematic and system design. I began testing after finishing the coding phase. My supervisor assisted me because I had been given some testing information to get started. 6.2 [conclusion](#) I did [my best](#) to improve [the condition](#) [and](#) meet the needs, [and](#) [hope](#) of them might [can](#) have been created for the current situation. 6.3 Future Scope: This endeavor taught me a lot, I believe. I'm grateful to everyone who assisted me and provided me with such a better opportunity. This experience, I believe, will be beneficial to me in the future and will enable me to develop new features. Chapter 7.7. References: From various platforms, I have learned a few things. I will undoubtedly mention those references. Those resources are a big assistance to me in finishing my project successfully. To view the list of sources in the list below. • [https://www.google.com/](#) • [https://www.w3schools.com/](#) • [https://stackoverflow.com/](#) • [https://www.js.org](#) • [https://facebook.com/learn-developer](#) • [https://www.youtube.com/](#) • [https://www.w3schools.com/php/php_mysql_intro.asp](#) • [https://www.oracle.com/mycoj/](#) • [https://www.futurepoint.com/learn/index.html](#) • [https://github.com/who-jonah/stack-next-7](#) Project Screen Shot: [Login page](#): [product for bidding page](#): [product list page](#): [product edit page](#): [product bid page](#): [product bid \(success\) page](#): [User edit page](#): [User list page](#): [Improvement planning for design](#). 1 | [Page 2](#) | [Page 3](#) | [Page 4](#) | [Page 5](#) | [Page 6](#) | [Page 7](#) | [Page 8](#) | [Page 9](#) | [Page 10](#) | [Page 11](#) | [Page 12](#) | [Page 13](#) | [Page 14](#) | [Page 15](#) | [Page 16](#) | [Page 17](#) | [Page 18](#) | [Page 19](#) | [Page 20](#) | [Page 21](#) | [Page 22](#) | [Page 23](#) | [Page 24](#) | [Page 25](#) | [Page 26](#) | [Page 27](#) | [Page 28](#) | [Page 29](#) | [Page 30](#) | [Page 31](#) | [Page 32](#) | [Page 33](#) | [Page 34](#) | [Page 35](#) | [Page 36](#) | [Page 37](#) | [Page 38](#) | [Page 39](#) | [Page 40](#) | [Page 41](#) | [Page](#)