

CPS714

Software Project Management

Sprint 4 Documentation

Group: 16

*Project: Online Auction Web Application  
Creation*

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## 1. Team Members (In Alphabetical Order)

- Kirolos Youssef
- Mario Ianniello
- Marvy Shaker
- Michael Latka
- Mohamed Issa
- Mujtaba Khan
- Niloy Roy
- Rafa Ashraf
- Raiyyan Siddiqui
- Yamini Duraisingam
- Yug Patel

## 2. TOPICS TO CHOOSE FROM - CROSS OUT / Change background colour to red ONCE PICKED

Can someone make a presentation? Here are some key topics:

user interface and how simple it is

Sign up confirmation.

Sign in password security and forget pass (if implemented) and session timing.

Create a listing page and invalid input check.

Bidding functionalities

checkout

Demo serial:

Marvy - raiyyan - mohamed - yamini - kiro - yug / rafa(?) - muj(?) - michael - mario - niloy (site transitions / endpoint / manual)

<del>Landing Page / Transition</del> -Marvy	Sign In Page-Niloy	<del>Sign In Functionality</del> Raiyyan	<del>Sign Up</del> -Raiyyan
	Email Sending-Niloy	Forget Password - now complete - might assign to Mujtoba	<del>Listing page - All active</del> - Kiro
<del>Create Listing Page</del> Mohamed	<del>Input Validation in Listing</del> - Mujtoba	<del>Create Listing Backend</del> -Yamini	<del>Bidding backend</del> Michael
<del>Sorting</del> - Yug	<del>Individual item page</del> -rafa	Status-mario	<del>Checkout</del> mario

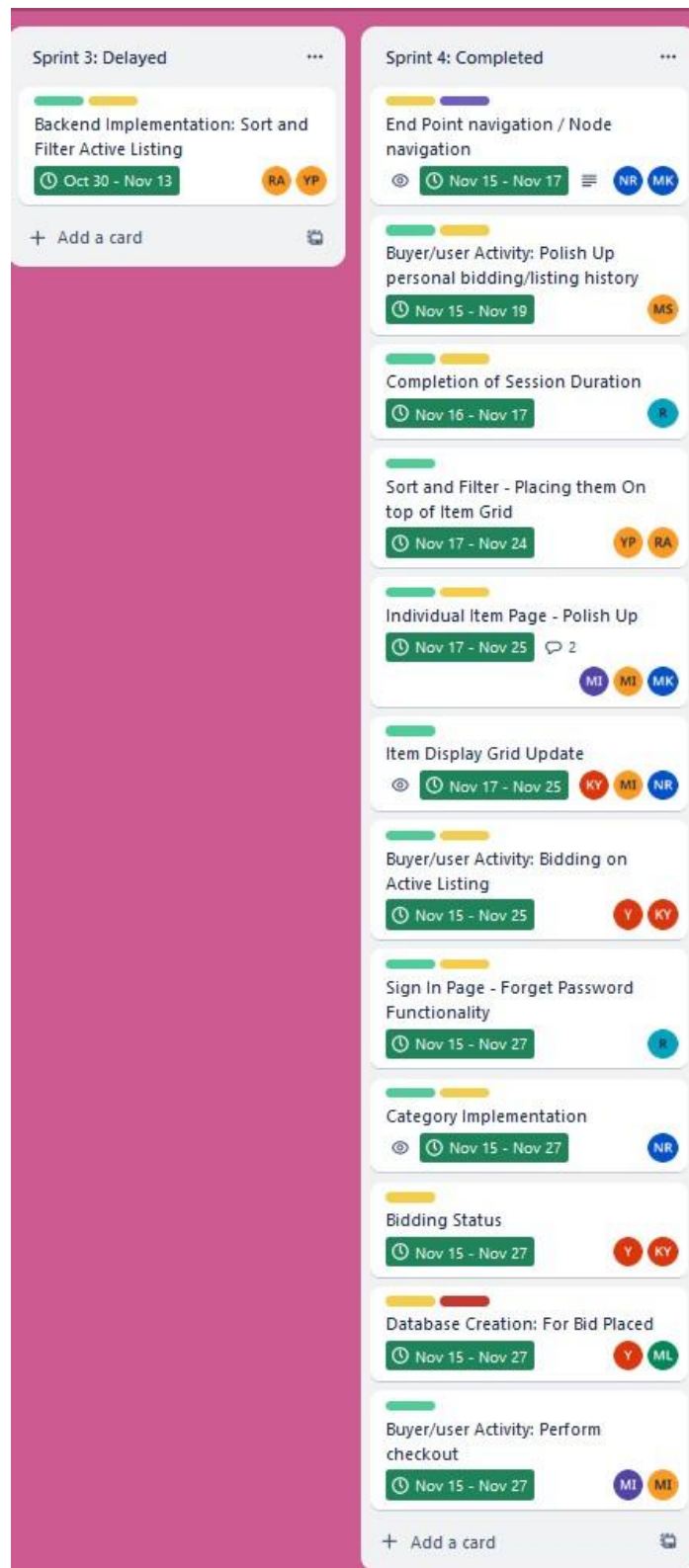
### 3. Project Management Tool

The screenshot displays a Trello workspace for a project named "CPS 714". The interface includes a top navigation bar with "Workspaces", "Recent", "Starred", "Templates", and a "Create" button. Below this, a "Board" tab is selected, showing a Kanban workflow with the following columns:

- Product Backlog**: A list of tasks to be completed, including "Initial App Landing/Welcome HTML page", "User LOGIN HTML page", "USER Signup HTML page", "Item Checkout HTML page", "User Authentication - A user can securely login with valid credential", "Creation of basic Admin Portal for app user maintenance", "Login Authentication/Session Information", "App Security Feature: Password Encryption", "Database model creation with User table", "Project planning", "Kickoff meeting", "Fully functional Landing HTML page", and "Signed-In User Profile HTML Page".
- Sprint 1 : Completed**: A list of tasks completed in the first sprint, including "Initial App Landing/Welcome HTML page", "User LOGIN HTML page", "USER Signup HTML page", "Item Checkout HTML page", "User Authentication - A user can securely login with valid credential", "Creation of basic Admin Portal for app user maintenance", "Login Authentication/Session Information", "App Security Feature: Password Encryption", "Database model creation with User table", "Project planning", and "Kickoff meeting".
- Sprint 2 : Completed**: A list of tasks completed in the second sprint, including "Fully functional Landing HTML page", "Signed-In User Profile HTML Page", "Backend Implementation: For Session Management (User Session Duration)", and "Listing Viewing HTML page".
- Sprint 3 : Completed**: A list of tasks completed in the third sprint, including "Polish up Sign Up Page", "Email / popup message integration", "User Information: Personal Profile Information (name/address etc.)", "Backend mechanism for listing viewing", "Entry Creation for List DB: Auction Details (Starting bid, auction start/end time etc. Use the Create listing button from frontend to trigger entry creation in backend)", "Individual Listing information HTML page - To show item/bidding details once specific listing is clicked.", "List Creation HTML page : To enter Listing details", "Listing Viewing HTML page : To display all listing in DB", "Buyer/user Activity: Browse previous bidding history Frontend and Backend implementation -", and "Sort and Filter Frontend HTML implementation".
- Sprint 3: Delayed**: A list of tasks delayed in the third sprint, including "Backend Implementation: Sort and Filter Active Listing".
- Sprint 4: Completed**: A list of tasks completed in the fourth sprint, including "End Point navigation / Node navigation", "Buyer/user Activity: Polish Up personal bidding/listing history", "Completion of Session Duration", "Sort and Filter - Placing them On top of Item Grid", "Individual Item Page - Polish Up", "Item Display Grid Update", "Buyer/user Activity: Bidding on Active Listing", "Sign In Page - Forget Password Functionality", "Category Implementation", "Bidding Status", "Database Creation: For Bid Placed", and "Buyer/user Activity: Perform checkout".

Each task card in the board includes a title, a progress bar, a due date, and a list of assignees represented by colored avatars. The board also features a "Add a card" button at the bottom of each column.

## 4. Sprint Backlog



## 5. Meeting Minutes for Sprint Review - Yug

Nov 16, 2023

- Discussing sprint 3 backlog
- Task identification for final sprint
- Task difficulty estimation

Nov 18, 2023

- Task assignment to members
- Endpoint creation and implementation
- Task prioritization

Nov 20, 2023

- Discussing group presentation
  - Includes format of presentation
  - Show retros
  - Show trello
  - backlog
- Verifying details of final few tasks
- Rearranging task completion order
- Aiming to finish by end of current week
- Looking to start working on presentation on the following week

Nov 23, 2023

- Checkout screen logic complete
- Discussing how bids will be won
- Discussing different implementation methods for bids
- Create listing function to
- Pushing errors on main branch
- Add auction end date to listings on the front end
- Create a *My Listings* page
- Last minute suggestions for the app
- Aim to finish all coding by Monday, 27th November

Nov 25, 2023

- Completion of majority of ticket
- Some visual bugs to fix
- Deadline setup for final completion of coding
- Slideshow creation for demo

Nov 27, 2023

- Wrapping up documentation
- Organizing all the templates for the apps
- Creating and verifying installation manual
- Release final bug fix

## **6. Meeting Minutes for Sprint Retrospective**

### Went well

- Project deliverables were completed on time
- Most meetings were attended by most members
- Back end and front end teams collaborated tremendously and improved the visual of the app.
- Significant amount of bug testing was done for app reliability.
- Multiple dummy listing was created to check all app functionality
- Documentation was clear and concise.

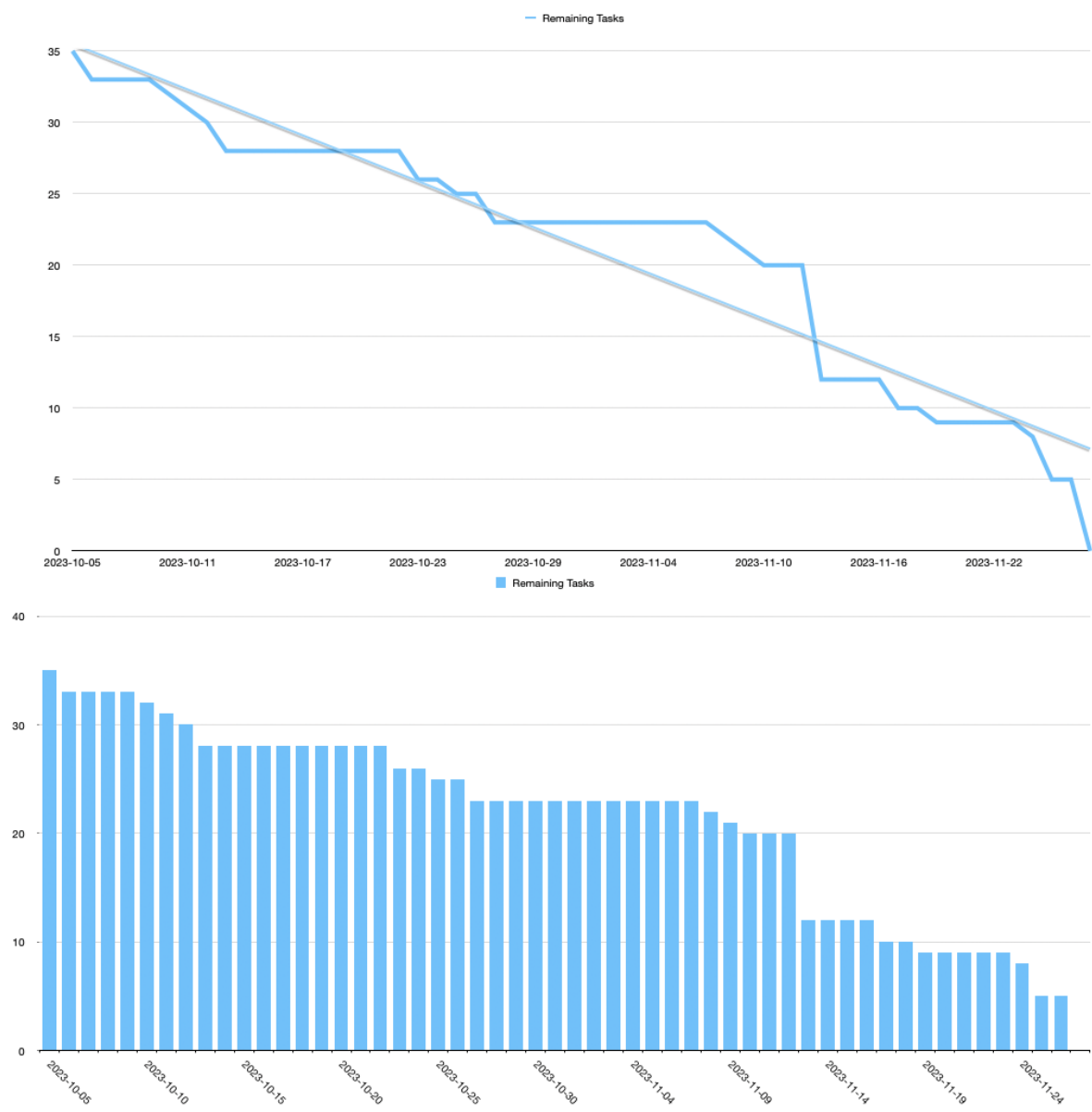
### Could be better

- Some activities were delayed and was holding back project progress
- Some logic implementation could have been better.

### Action items

- Collect project activity feedback and team feedback
- Apply knowledge gained from this project in real life

# 7. Burndown Chart for the Sprint - Mario





Date	Name of Task Completed	Remaining Tasks
2023-10-05	Checkout	35
2023-10-06	Signup	33
2023-10-06	DB Architecture	33
2023-10-10	Signup	32
2023-10-11	Login	31
2023-10-12	Password Encryption	30
2023-10-13	Log In Page	28
2023-10-13	Session ID	28
2023-10-23	Create Listing	26
2023-10-23	Seller Activity	26
2023-10-25	User Profile	25
2023-10-27	List Viewing	23
2023-10-27	Home Page	23
2023-11-08	Display All Listings	22
2023-11-09	User Info	21
2023-11-10	Polish Up Sign Up Page	20
2023-11-13	Sort and Filter - extended	12
2023-11-13	List Creation	12
2023-11-13	Entry Creation	12
2023-11-13	List Viewing	12
2023-11-13	Individual Listing Page	12
2023-11-13	Email Message Integration	12
2023-11-13	Sort and Filter - extended	12
2023-11-13	User/Buyer Activity - Extended	12
2023-11-17	End Point Navigation	10
2023-11-17	Completion of Session Duration	10
2023-11-19	User Activity: Polishing Bidding/listing history	9
2023-11-24	Sort and Filter	8
2023-11-25	Individual Item Page - Polish Up	5
2023-11-25	Item Display Grid Update	5
2023-11-25	Buyer/user Activity: Bidding on Active Listing	5
2023-11-27	Database Creation: For Bid Placed	0
2023-11-27	Bidding Status	0
2023-11-27	Sign In Page - Forget Password Functionality	0
2023-11-27	Category Implementation	0
2023-11-27	Buyer/user Activity: Perform checkout	0

## 7. Relative Sizing Estimates of user stories

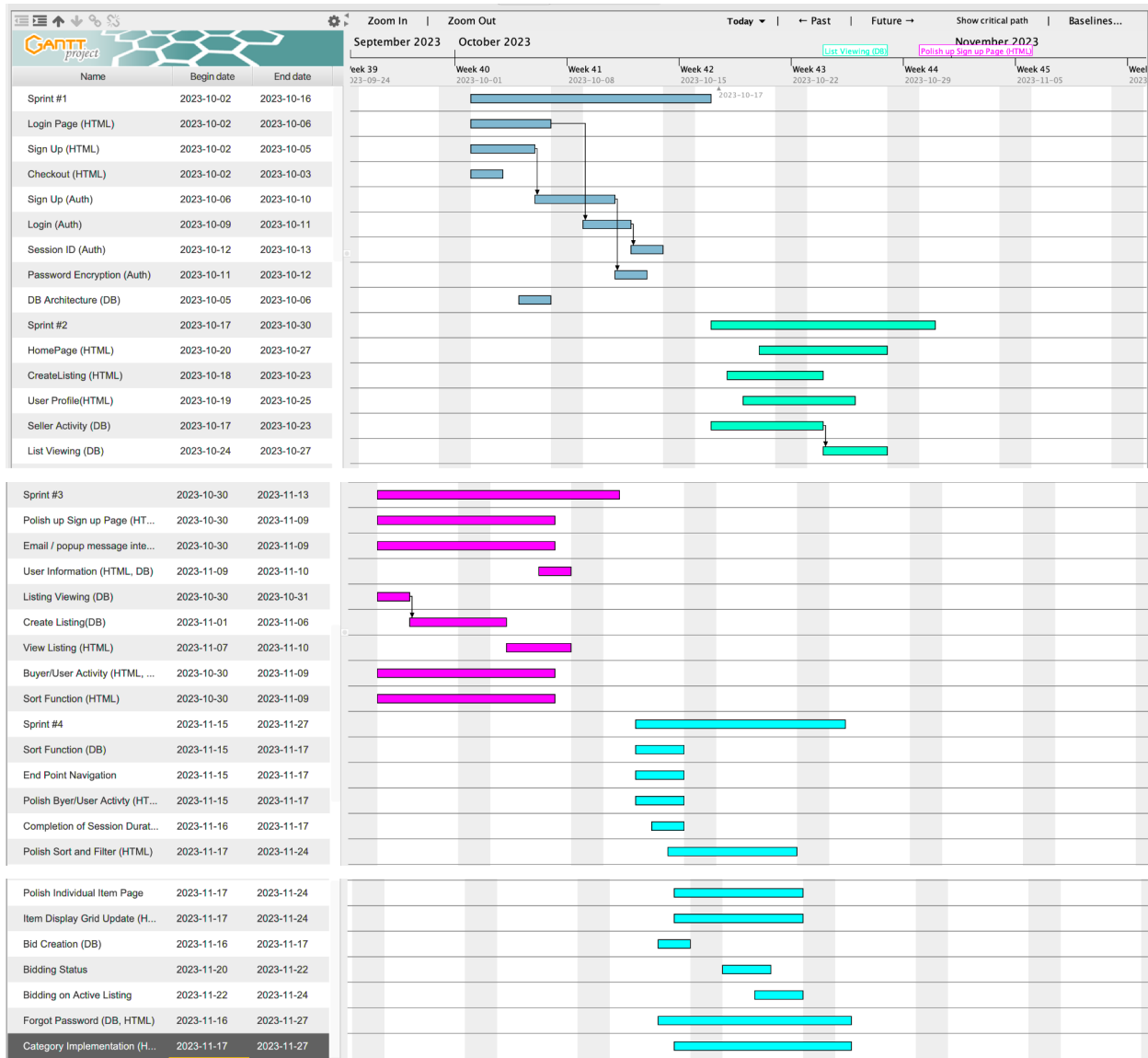
Relative Size Chart

Size	Criteria
XS	No Complexity and Required Time for Completion = < 1 Hours
S	Minor Complexity and Required Time for Completion = < 3 Hours
M	Complex and Required Time for Completion = > 5 Hours
L	Moderate Complexity and Required Time for Completion = > 8 Hours
XL	High Complexity and Required Time for Completion = > 13 Hours
XXL	Very High Complexity and Required Time for Completion = > 21 Hours

TEAM	USER STORY NAME	RELATIVE SIZE
<b>Project Management</b>	Creation of Project Charter	L
	Stakeholder Registration	L
	Manage Team Meetings	L
	Manage Team Members	L
	Create Product and Sprint Backlog	L
	Choose Design Process and Development Strategy	XL
	Managing Project Deliverables	XL
<b>Front End</b>	Designing User Login Page	S
	Designing User Signup Page	M
	Designing Listing View Page	L
	Designing Listing Creation Page	M
	Creation of Sort and Filter Functionality	M
	Creation of Admin Portal	S

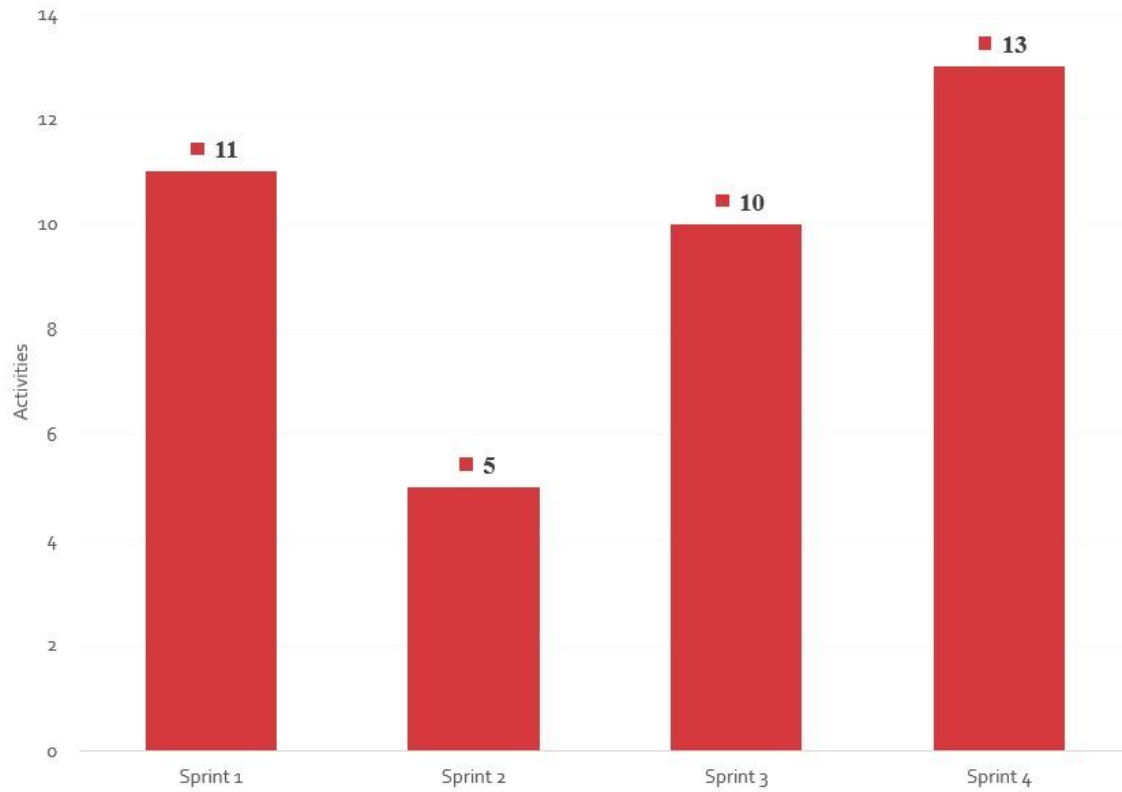


## 8. Gantt Chart



## 9. Velocity Chart

Activity Completion Count By Sprint



## 10. Complete Source Code:

Source code is attached as a zip file with the sprint documentation submission.

## 11. Installation Manual

Our application is a Flask based web application that is written in Python, the HTML pages were designed using CSS and Javascript. To install the application to your computer please follow the below steps:

### Step 01

Download the Zip file containing the codes from the D2L submission folder.

### Step 02

Unzip the file to any specific directory.

The extracted folder should have the following items:

### Step 03

Once these steps are done, open the **cmd** from your terminal and open the specific folder where the unzipped files are stored. For example, I stored the unzipped files in this directory.

`C:\Users\niloy\Desktop\CPS714 Install Manual\online-auction-system-main.`

Once you access this folder through cmd, write this command:

```
Python -m flask --app auctionApp run
```

Depending on the settings of the personal computer and previously installed python packages, the following dependencies need to be installed to run this in case the given command results in any errors:

```
pip install Flask
pip install Flask-admin
pip install peewee
pip install wtf-peewee
```

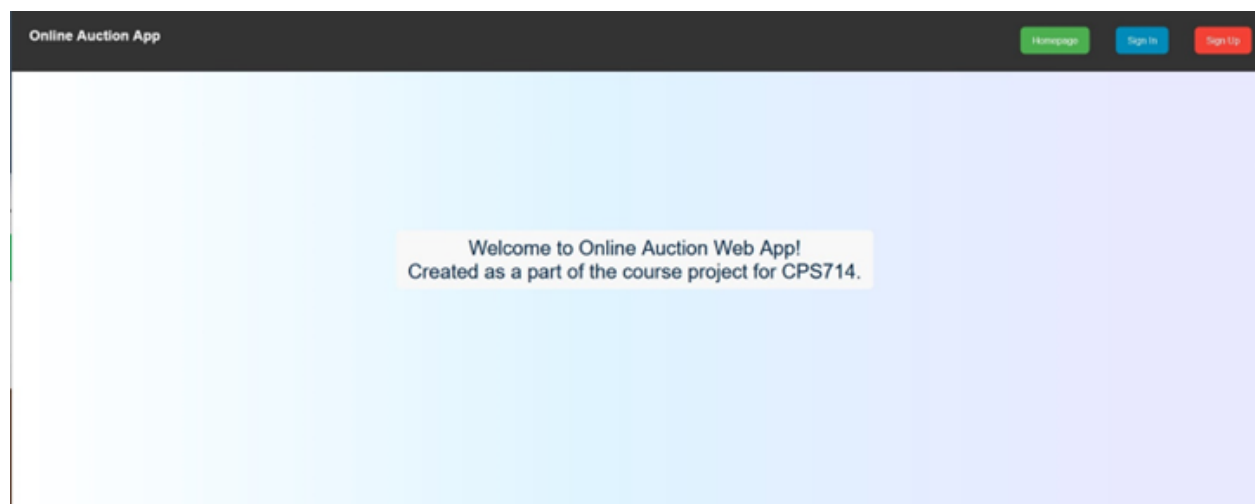
```
pip install Flask-mail  
pip install postmarker
```

If there are no errors, you will see the following output in the command prompt.

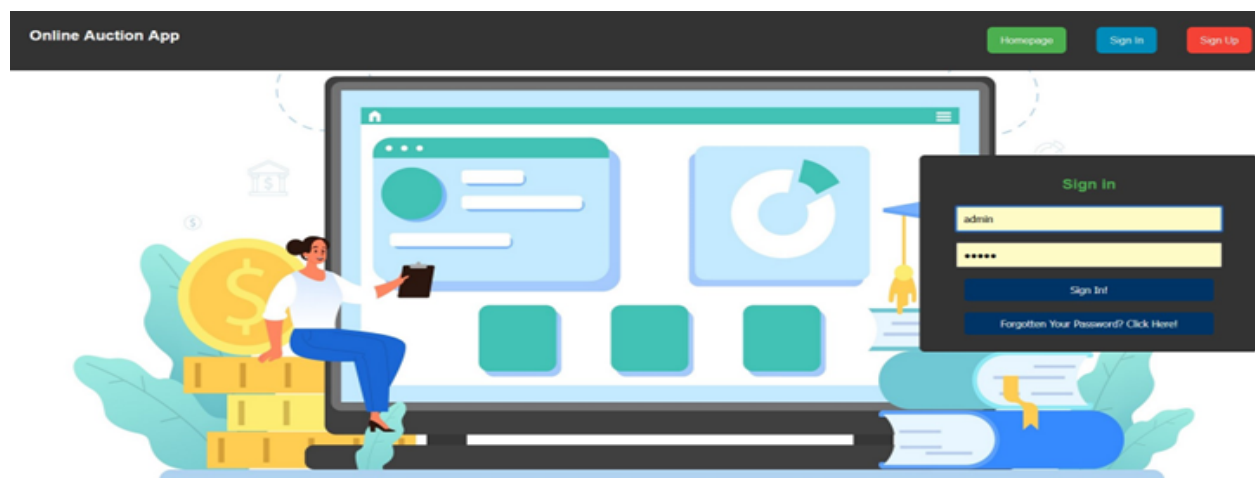
Copy and paste the URL from the **cmd** to any browser, this will run the application on the server-side.

### Navigating Through The Application

Once the application loads, the following screen will be visible:

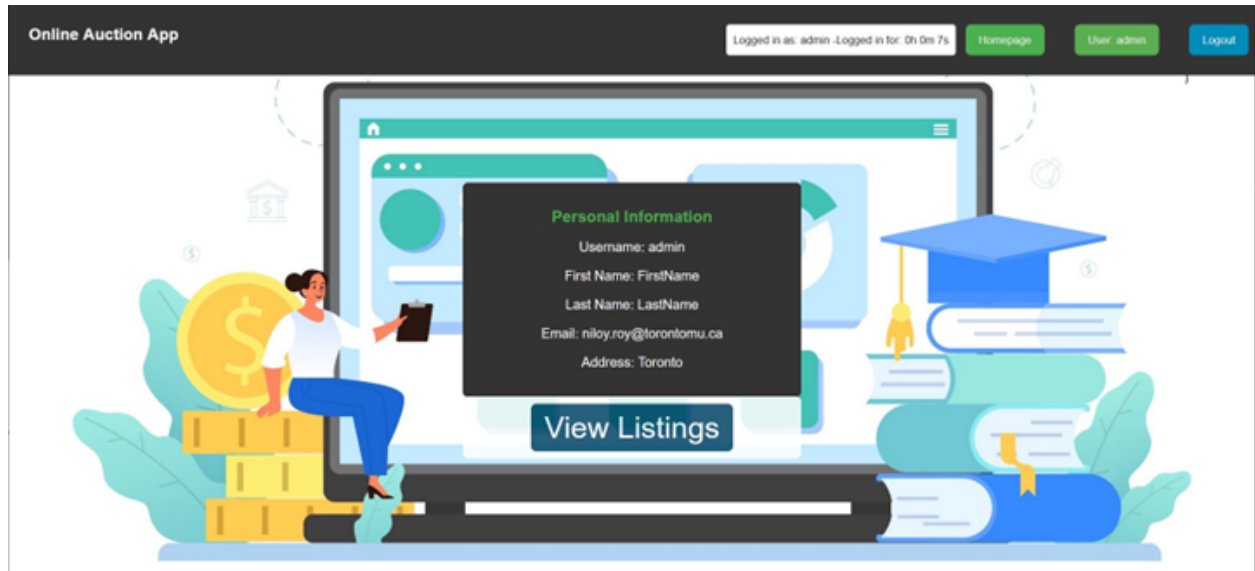


For full functionality, a new user has to sign-up and access the application using personal credentials. Once signed up, a user will receive the confirmation email.



**Use default username: admin and password: admin to access all admin level permissions.**

Once signed in, the user information page will show up and after clicking on the view listings button, it will take the user to the main application segment.



The main application area looks like the following where all the listings are displayed. The Top Navigation bar can be used to access all other app functionalities:

