

# **Internship In**

# **MEAN STACK Technology**

As Partial Fulfillment of  
Integrated Master of Science (Information Technology) – iMSc (IT)  
Semester-X

**Developed at**  
**Solution Analysts**  
**Developed by**  
**Surali Shah (201701619010117)**

Under Guidance of  
Ms. Jenny Kasudiya(Asst. Prof – GLS University).



**Faculty of Computer Applications & Information Technology**  
**iMSc (IT) Programme**  
**GLS University, Ahmedabad-380 006**

## **Developed By**

<b>Enroll No</b>	<b>Name</b>	<b>Course</b>
201701619010117	Surali Shah	iM.Sc IT

## **Guided By**

<b>Internal Guide</b>	<b>External Guide</b>
Jenny Kasudiya	Neet Shah, Megha Thakkar

## **ACKNOWLEDGMENT**

Throught my internship period, I have received immense help and support from various people and would like to express deep sense of gratitude and extend my heartiest thanks to them. I take this opportunity to acknowledge their support.

Firstly, I would like to thanks to **Mr. Neet Shah, Ms. Megha Thakkar** for continual support throughtout the internship period.

I would like to also give my special thanks to **Prof. Jenny Kasudiya** who also has guided me in this.

I would like to also grateful to **Dr. Harshal Arolkar (the head of department)** for the brainwave and encouragement given. It was pleasure working with GLS FCAIT.

I would like to also grateful to **Dr. Savita Gandhi(Dean)** for the guidance and encourage given. It was pleasure working with GLS FCAIT.

Lastly, I cannot forget to my family and friends for their constant support and motivation that worked as source of inspiration.

Thanking to all....,

Submitted by:  
Surali Shah

# INTERNSHIP CERTIFICATE

INDIA

101, Kalasagar Shopping Hub,  
Opp.Saibaba Temple, Satadhar Crossroads,  
Ahmedabad, Gujarat, India - 380061.

CIN U72200GJ2011PTC063729



**Solution Analysts**  
Analysing needs, delivering solutions

Date: 05th April 2022

## CERTIFICATE OF INTERNSHIP

This is to certify that **Surali Shah** a student of **GLS University** . She is associated as intern with our organisation from **19th January 2022** which will go approximately till **19th July 2022**.

Authorized Signatory

A handwritten signature in blue ink, enclosed in a light blue oval. The signature reads "F. V. Raichura".

**Foram Raichura**  
**Manager- Human Resource**

## **Introduction of the company**



**We are a leading mobile-enabled IoT solutions company, headquartered in India and an office in the USA, that delivers top-notch solutions across various industry sectors.**

# INDEX

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## Internship In MEAN STACK Technology

### **Javascript Learning**

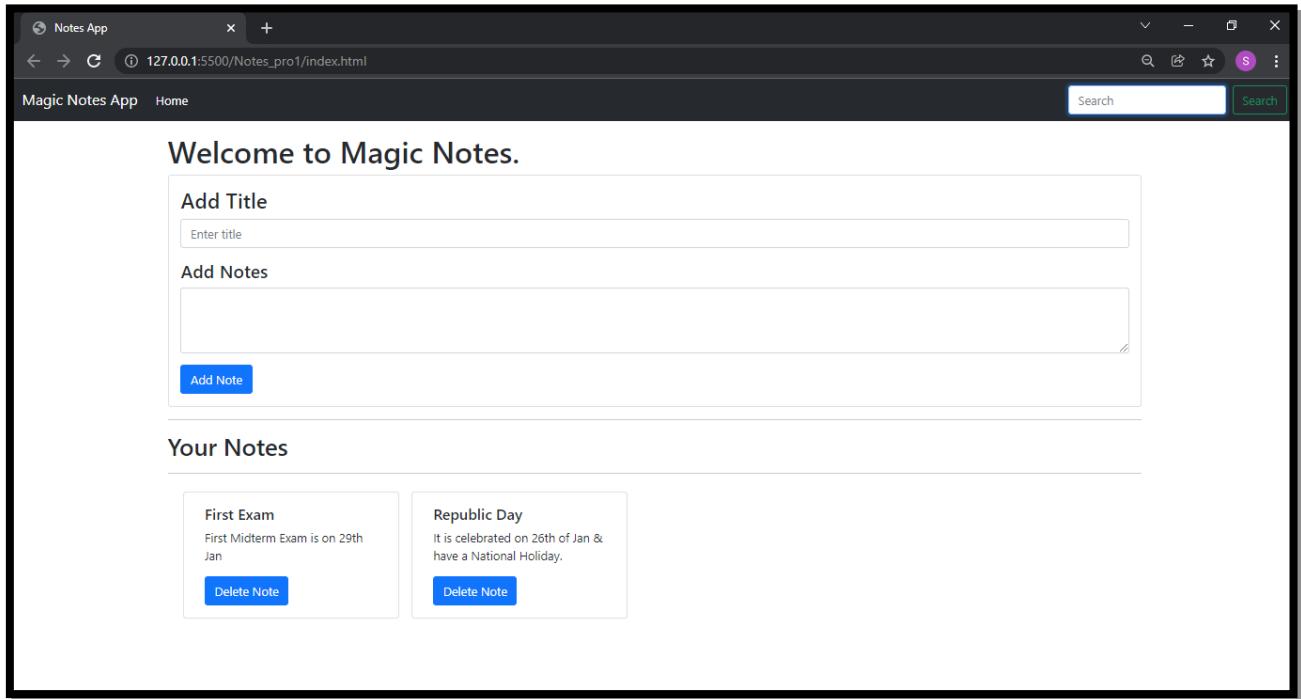
- It is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages.
- It is an interpreted programming language with object-oriented capabilities.

Features like:-

- animated graphics
- photo slideshows
- autocomplete text suggestions
- interactive forms

# Internship In Android Technology

## Notes App Using JavaScript

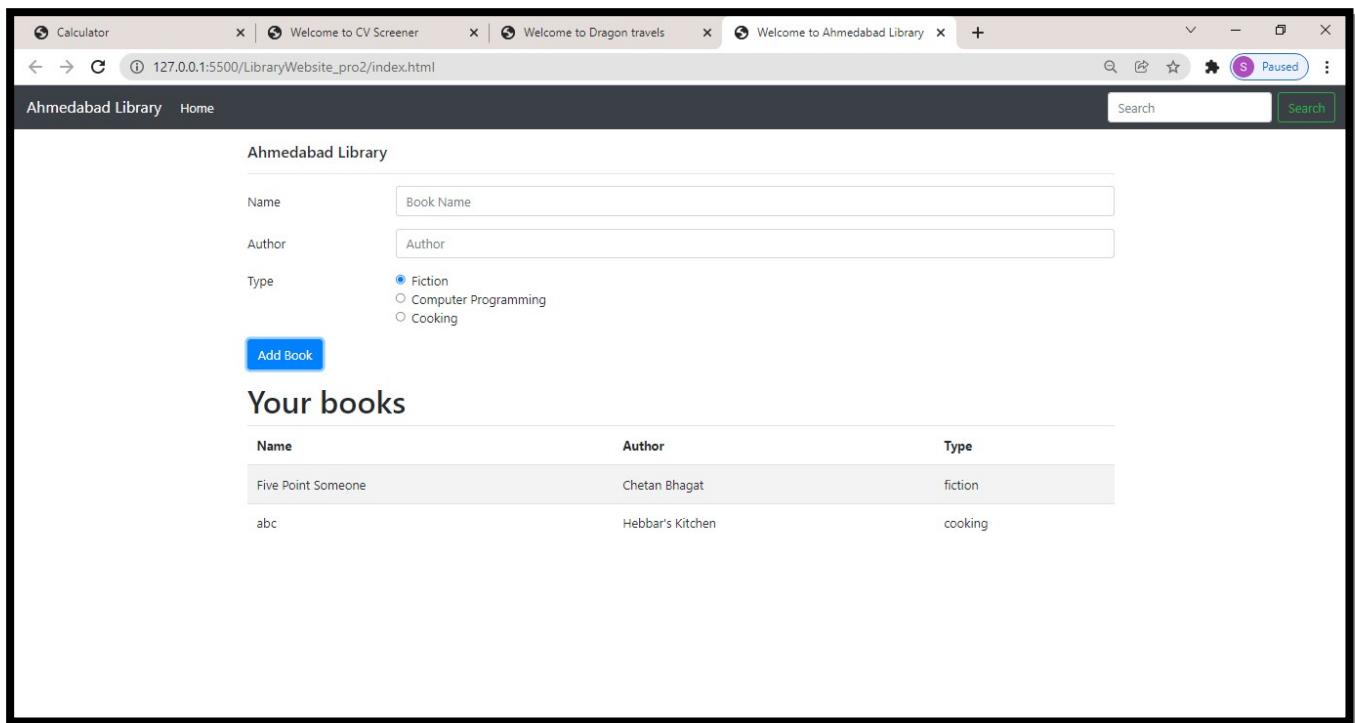


- . ✓ It is based on **Notes** using JavaScript.
- ✓ It have **title, add notes** features in this.
- ✓ After adding the details it will show in **Your Notes**. Also, we can delete note.

# Internship In MEAN STACK Technology

## Small Projects using Javascript

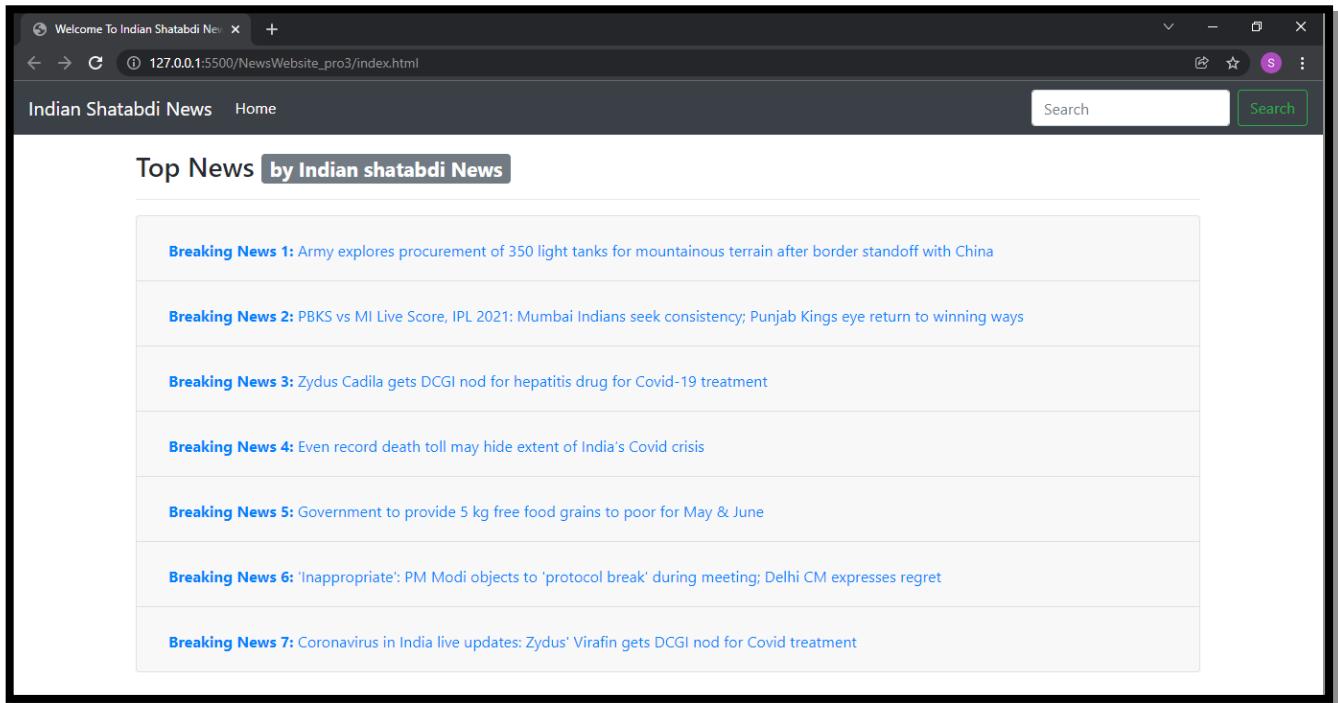
### JAVASCRIPT - Building a College Library Website



- ✓ This is based on college library website.
- ✓ In this, we can add **name of book**, **author of book** and the **type of book** with the help of radio button.
- ✓ After adding the details it will show in **your books** with all details with the help of localstorage.
- ✓ It is small demo using Javascript

## Internship In MEAN STACK Technology

### JAVASCRIPT - Building a News Website



- ✓ This is based on News Website .
- ✓ Here, the links are given of different websites, by clicking this link we get option of read more and on clicking on that the website page open.

# Internship In MEAN SATCK Technology

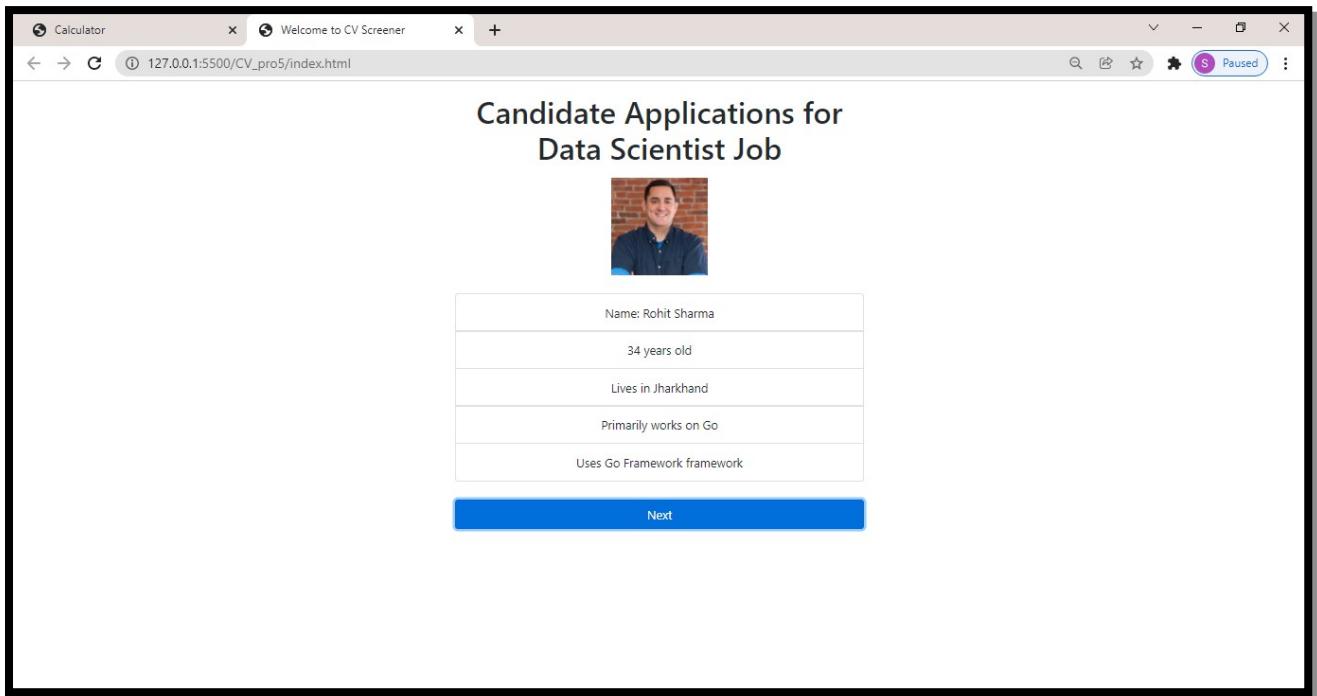
## JAVASCRIPT - Form Validation Using Regular Expressions

The screenshot shows a web browser window with three tabs: 'Calculator', 'Welcome to CV Screener', and 'Welcome to Dragon travels'. The active tab is 'Welcome to Dragon travels' at the URL '127.0.0.1:5500/FormValidation\_pro4/index.html'. A green success message bar at the top says 'Success! Your travel request has been successfully submitted'. Below it, the page title is 'Dragon Travel desk'. There are several input fields: 'Username' (surali11), 'Email address' (surali17@gmail.com), 'Select your car' (Audi A4), 'Enter your address' (axax), 'Enter your phone number' (9099055540), and 'Any other message...' (deddd). Each address field has a red circular icon with a '1' in the bottom right corner, indicating validation errors. A blue 'Submit' button is at the bottom left.

- ✓ This is based on Form Validation using Regular Expressions.
- ✓ In this, there are many fields like **username**, **email address**, **address**, **phone number**, etc.
- ✓ After submitting it, shows in console.

## Internship In MEAN STACK Technology

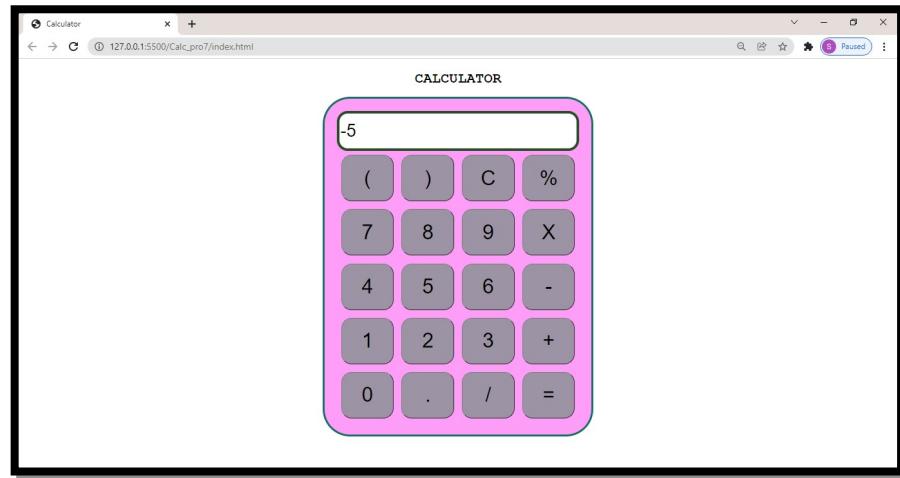
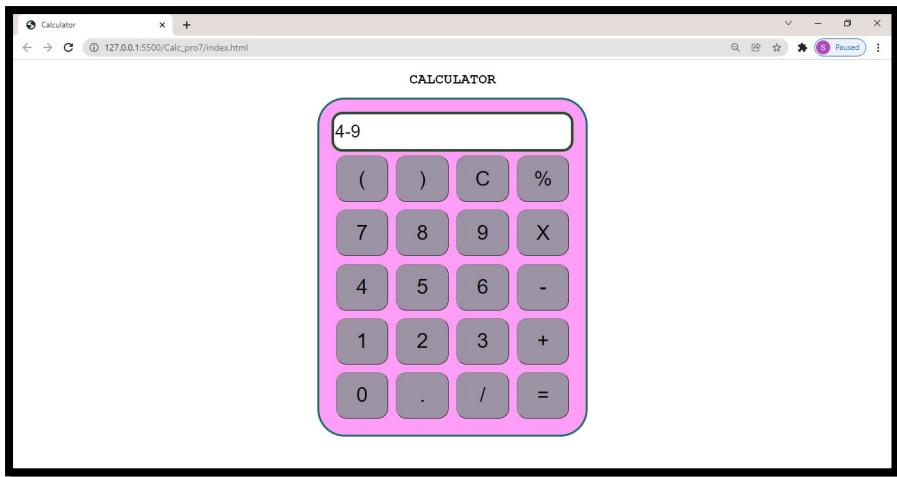
### JAVASCRIPT - CV SCREENER



- ✓ This is CV Scanner Demo.
- ✓ In this, we can see the different CV's of people.
- ✓ It shows all details of user.

## Internship In MEAN STACK Technology

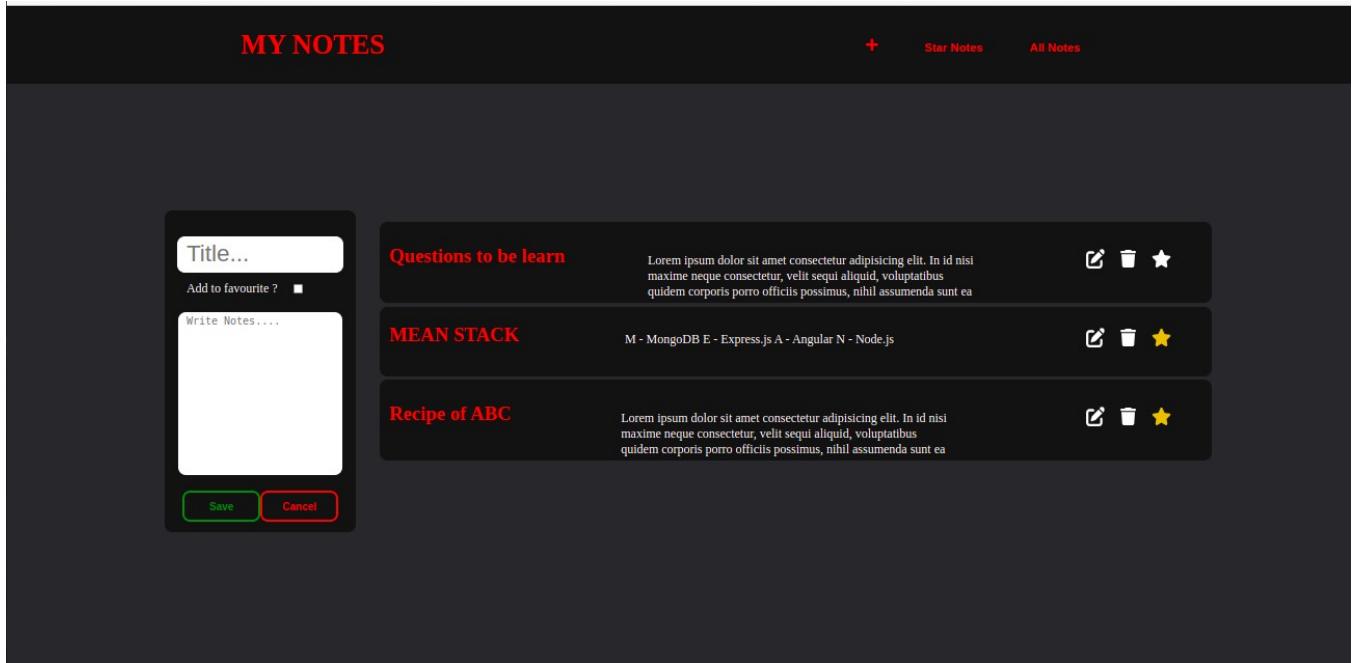
# JAVASCRIPT - Creating Calculator using JavaScript



- ✓ This is Calculator App in which you can do all type of calculations.

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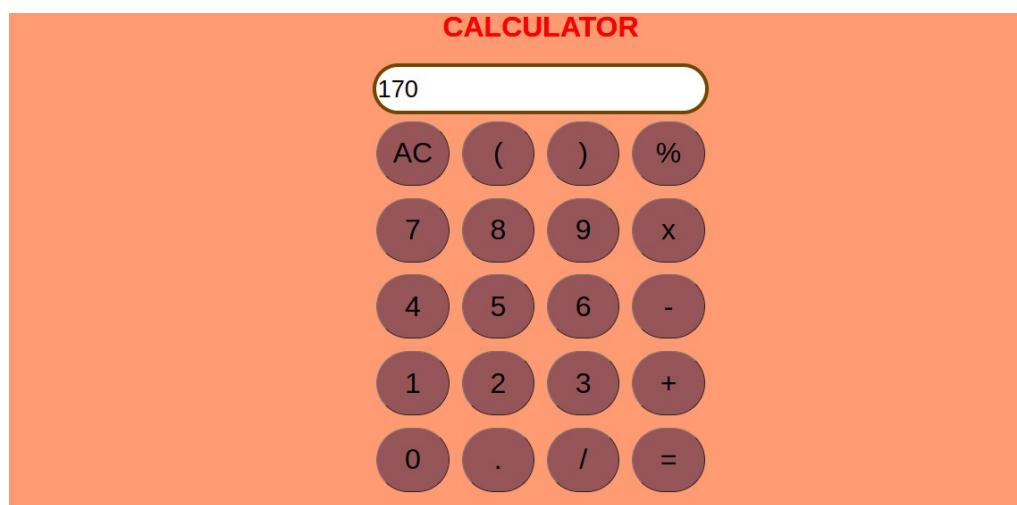
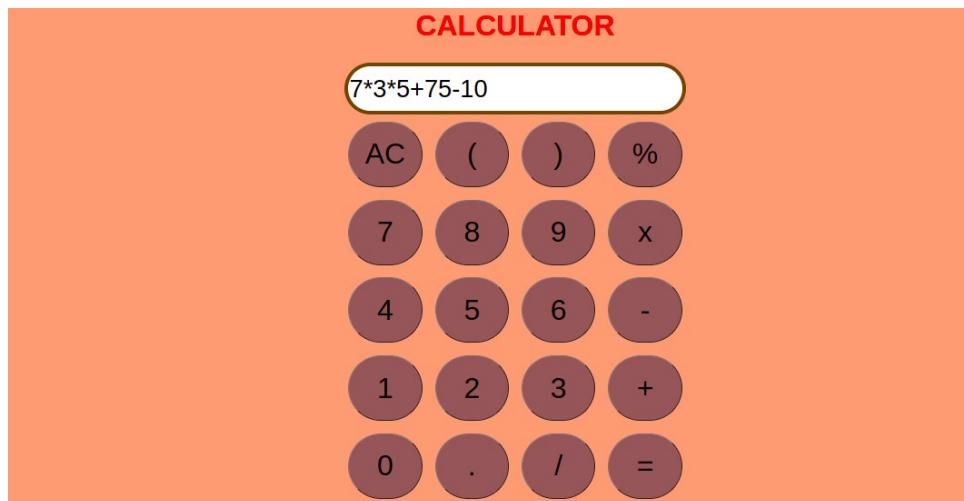
# Notes Using JavaScript



- ✓ This is based on Notes App.
- ✓ We can add title of note and details of the note in Add Notes.
- ✓ It have save & cancel option. If we save it will show at right side of the page.
- ✓ Ie have features of Editing, Delete & doing favourite note.

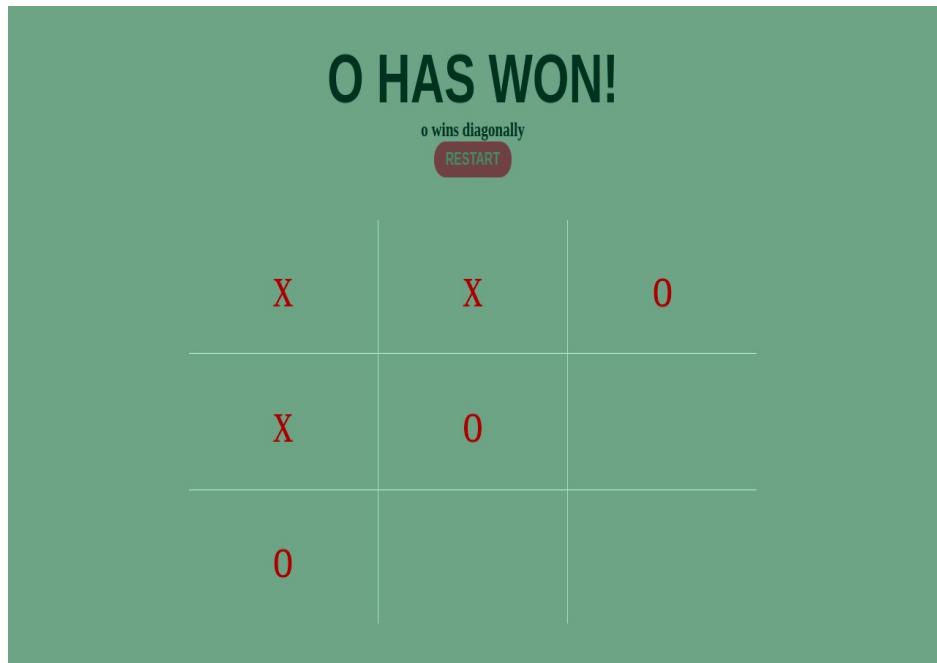
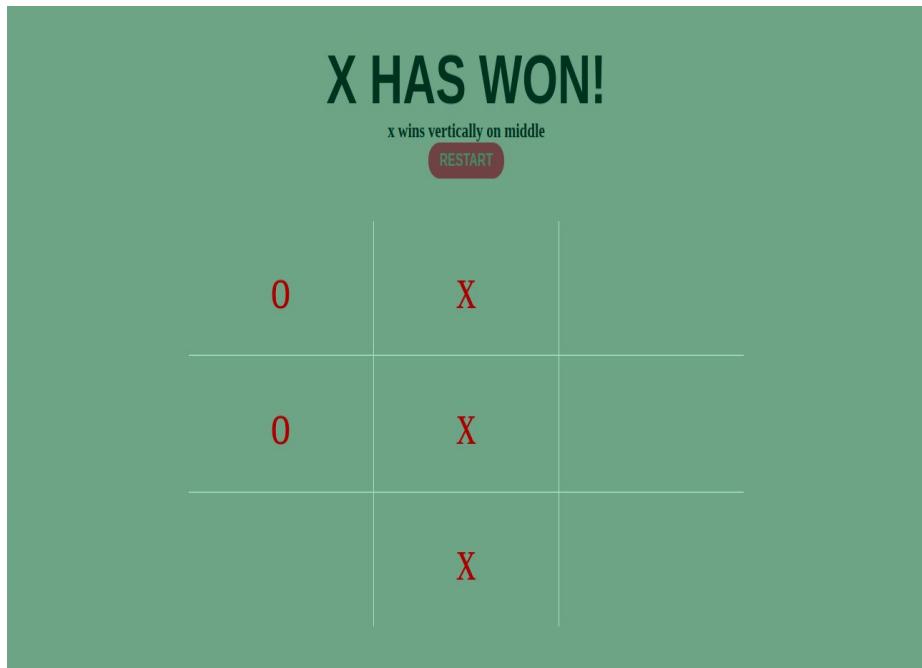
## Internship In MEAN STACK Technology

# Calculator Using JS



Calculator for doing Calculations

# TIC-TAC-TOE Using JS

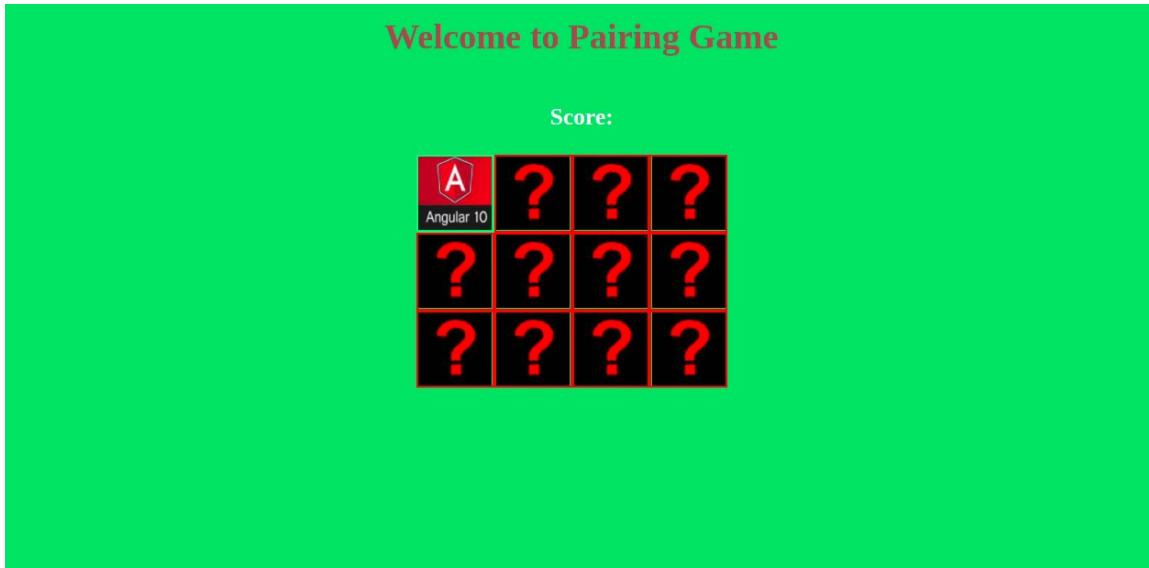


- ✓ It is tic-tac-toe game. It has two users X and 0. It shows at which side X or 0 had worn.

10.

## Internship In MEAN STACK Technology

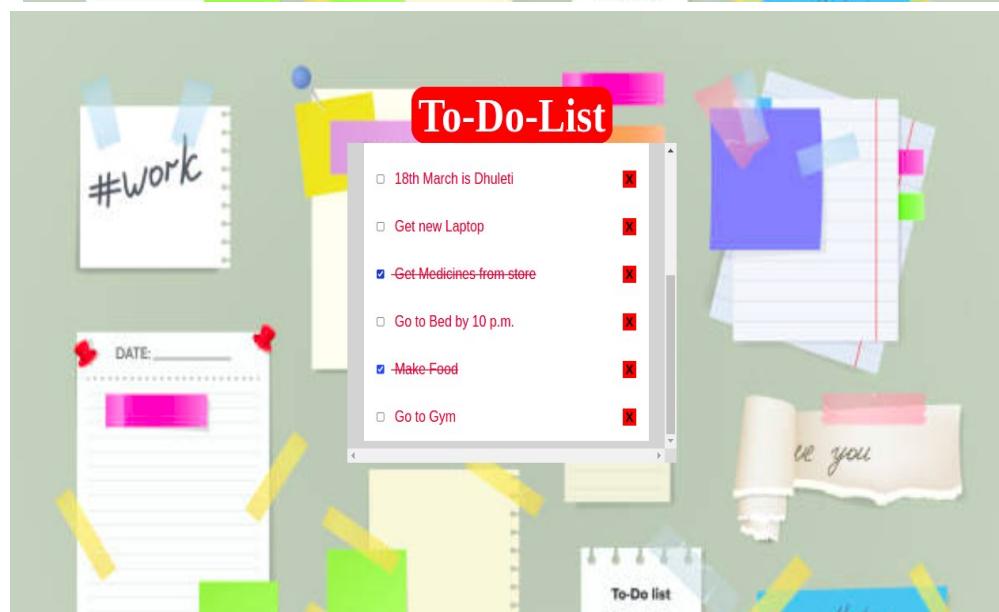
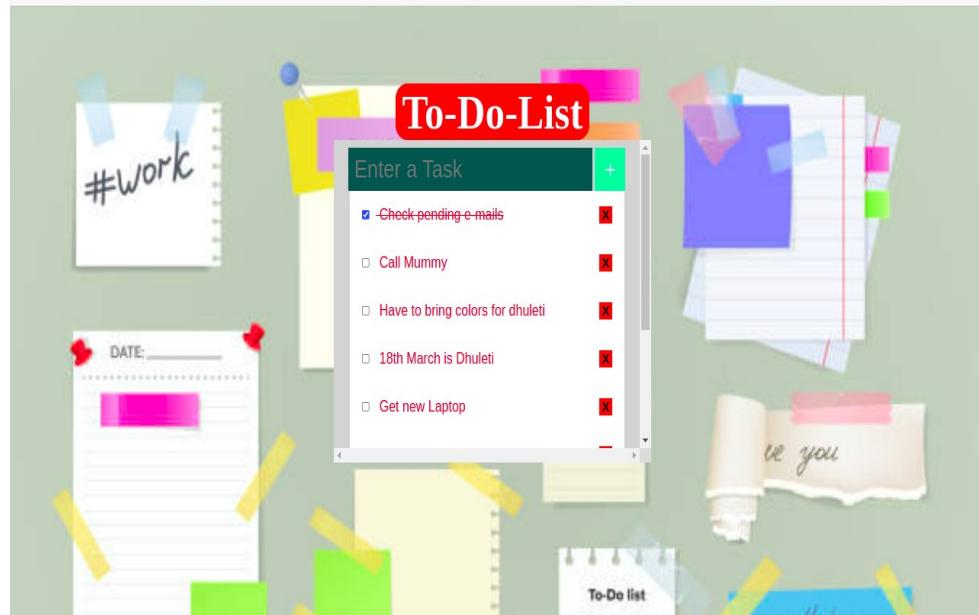
### Pair Game Using JS



- ✓ In this, you have to pair 1 picture to another same picture.
- ✓ It will continue till the last pair and the pairs which are done will show the cross sign(X).

## Internship In MEAN STACK Technology

### To-Do-List Using JS



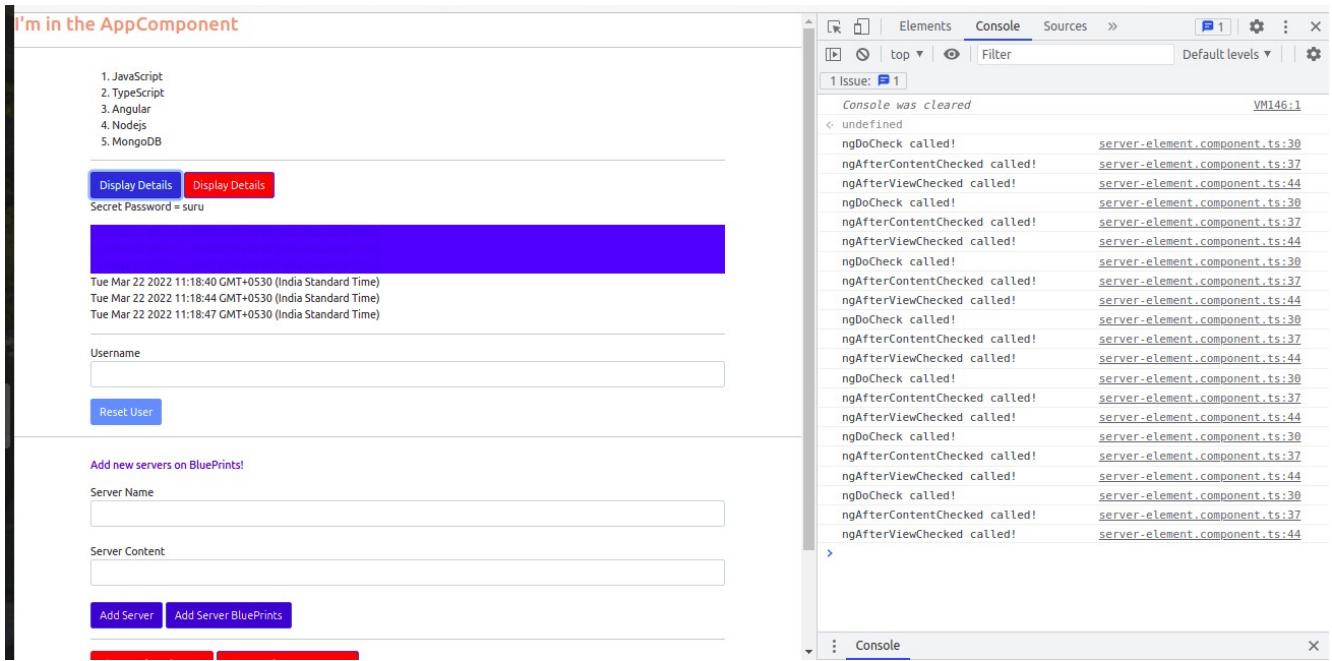
- ✓ We have so many things to remind but it cannot be so to-do list can help to remind that.
- ✓ If we add , the new note it will affect at 1<sup>st</sup> in the list.
- ✓ Whatever notes are there and will completed it will show lining on it.
- ✓ If the cursor goes on the delete icon(X) will hover and rotate 180 degree.

## Angular Learning

- Angular is a platform and framework for building single-page client applications using HTML and Typescript
- Angular is written in Typescript
- It implements core and optional functionality as a set of Typescript libraries that you import into your applications.

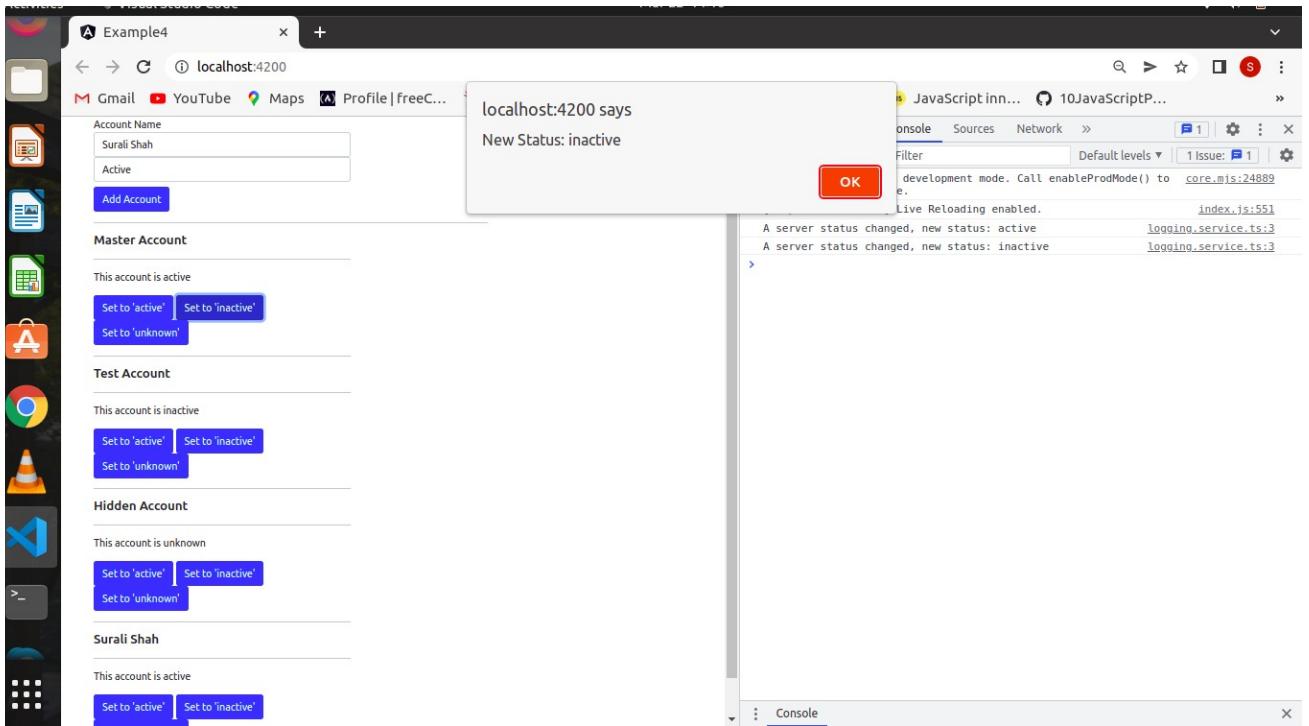
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## Practice Work of Angular



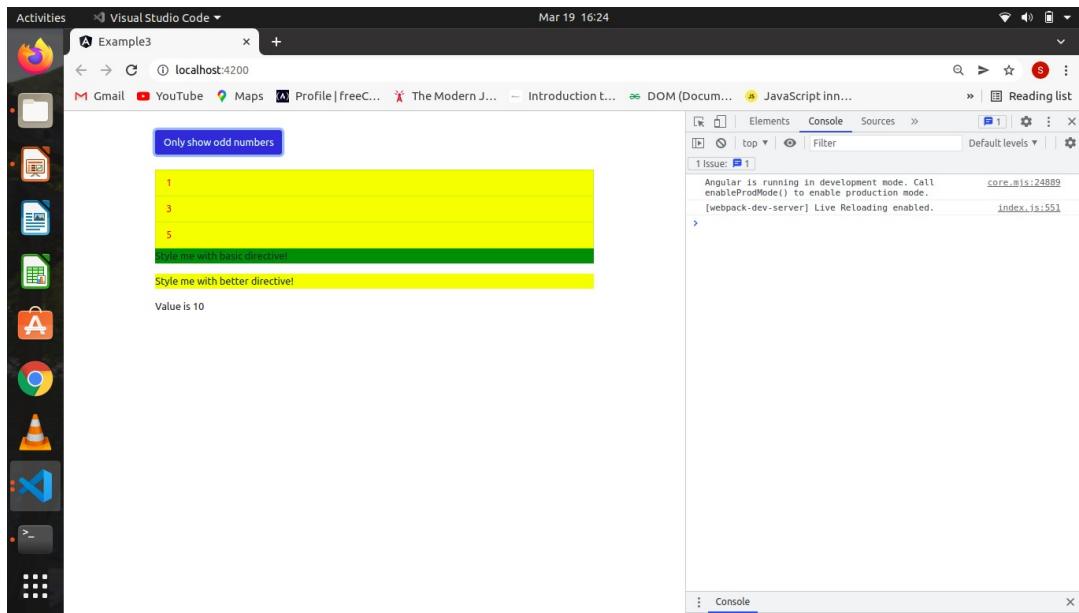
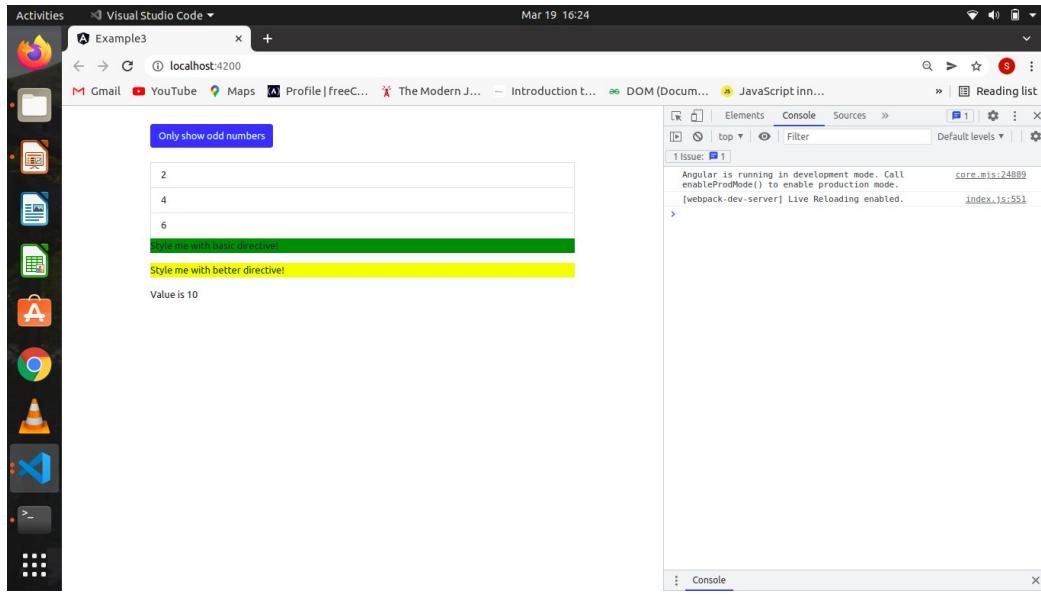
- ✓ This is of LifeCycle Hooks.
- ✓ It have eight types of Hooks in it.
- ✓ Here, I have done the practice of it.

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- ✓ It is based on using different bindings.
- ✓ In this we have to add account name and status which is suitable.
- ✓ After that we can change it to any of the status and it will show in console.

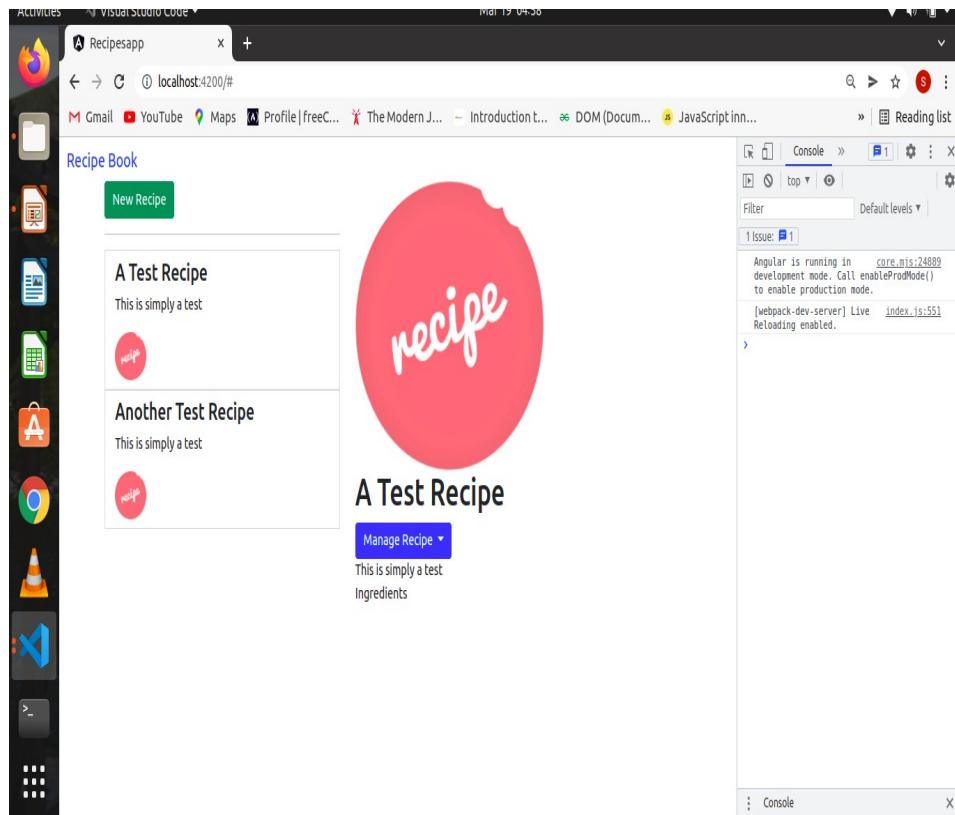
# Internship In MEAN STACK Technology



- ✓ It is based on directives.
- ✓ There is button of only show odd buttons. It will odd numbers with the yellow background in it.

## Internship In MEAN STACK Technology

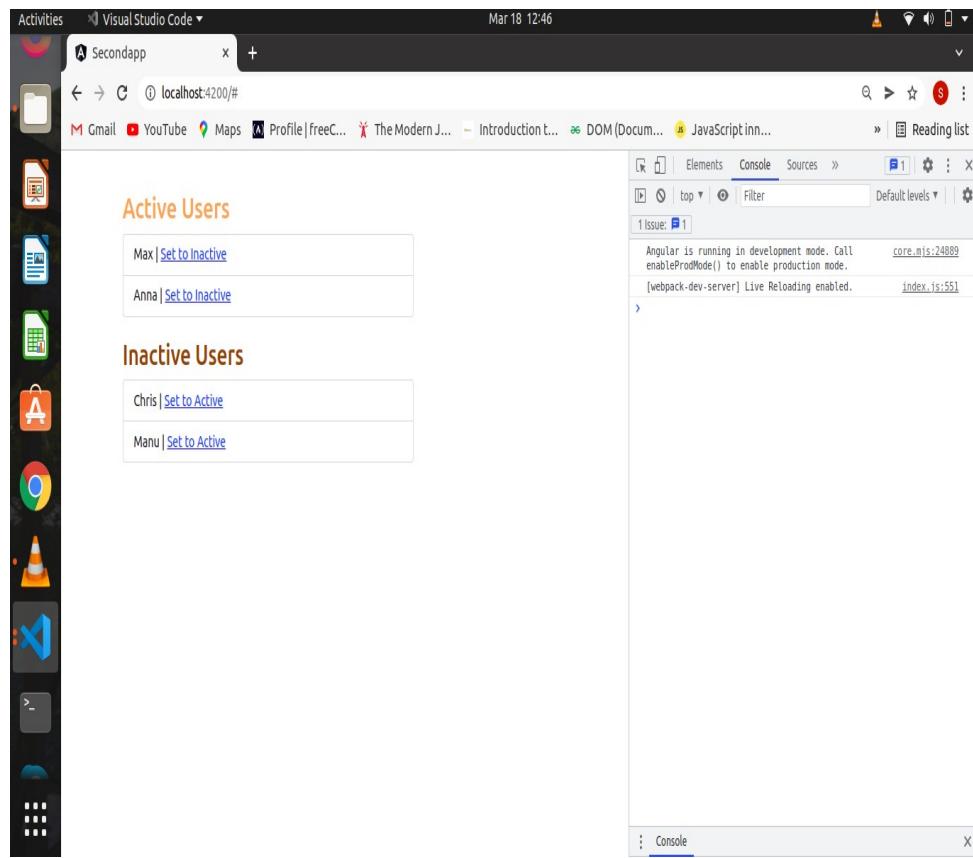
# Recipe Assignment



- ✓ This is small demo of recipe.
- ✓ In this, I have taken 2 recipes with a picture. It have manage option also

## Internship In MEAN STACK Technology

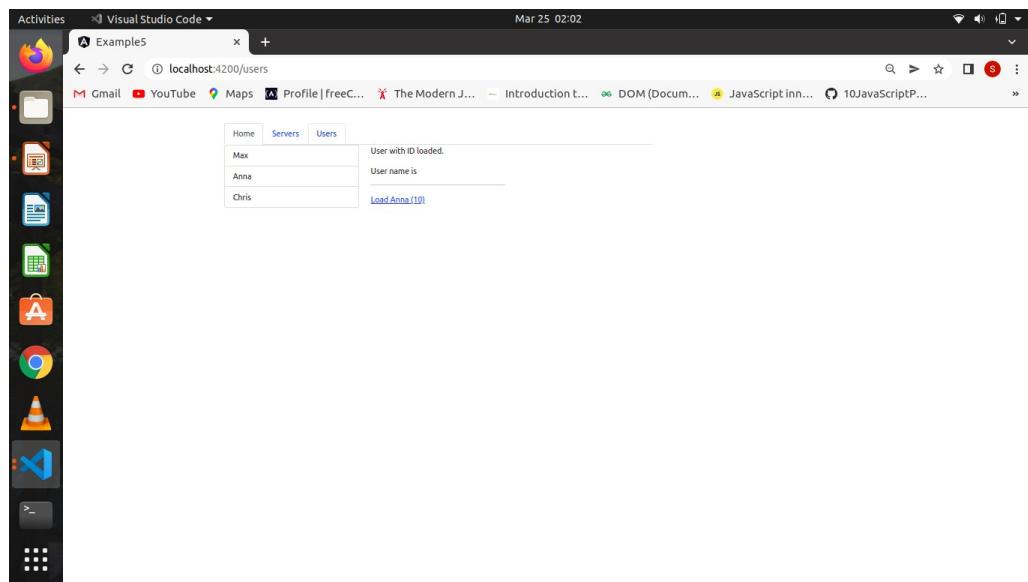
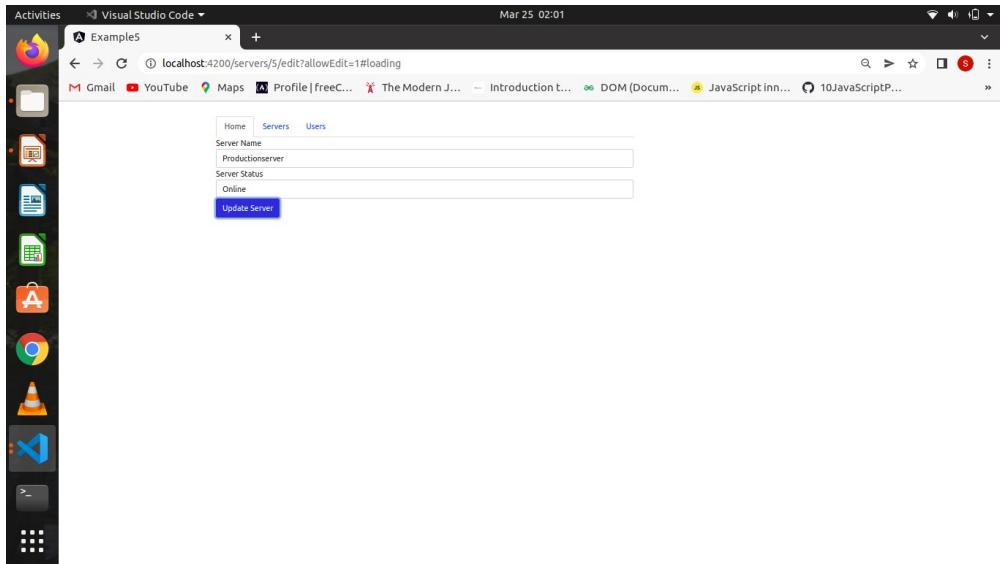
### Demo of Active & In-Active Users



- ✓ In this, we can set active users to inactive and vice-versa

# Internship in MEAN Stack Technology

## Demo of Routing



- ✓ This is demo of routing.
- ✓ In this, I have taken three things in navbar Home, Server & Users.

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The screenshot shows a user interface for managing servers. At the top, there is a search bar containing "arweetertre" and a blue "Add Server" button. Below this, the text "App Status: stable" is displayed. A table lists several servers with their details:

status	name	size	last update
Production	MEDIUM	MEDIUM	MONDAY, AUGUST 9, 1920
User Database	LARGE	LARGE	MONDAY, AUGUST 9, 1920
Development Server	SMALL	SMALL	MONDAY, AUGUST 9, 1920
Testing Environment Server	SMALL	SMALL	MONDAY, AUGUST 9, 1920
New Server	SMALL	SMALL	MONDAY, AUGUST 9, 1920
New Server	SMALL	SMALL	MONDAY, AUGUST 9, 1920
New Server	SMALL	SMALL	MONDAY, AUGUST 9, 1920

- ✓ This is example of pipes in Angular.
- ✓ In this, you can add server it will show in display and also will show the status of server.

The screenshot shows a registration form with the following fields:

- Username: An input field with placeholder "Suggest an Username".
- Mail: An input field.
- Secret Questions: An input field.
- Your reply: A text area.
- Gender selection: Radio buttons for "Male", "Female", and "Others".
- Submit button: A blue "Submit" button.

Below the form, under "Your Data", the following information is displayed:

Username: surali.shah  
Mail: surali.imscit17@gmail.com  
Secret Question: Your first teacher  
Answer: sara  
Gender: female

- ✓ This is example of Forms in Angular.
- ✓ Here in this, details are added and that details are shown in Your Data.

# Internship In MEAN STACK Technology

The screenshot shows a user interface for a MEAN Stack application. At the top, there is a form for creating a new post. It has two input fields: 'Title' containing 'Testing Server' and 'Content' containing 'Server is being tested'. Below the form is a blue 'Send Post' button. Below the form, there is a horizontal line separating the creation area from the list area. Underneath this line, there are two buttons: 'Fetch Posts' (blue) and 'Clear Posts' (red). The list area below contains a single card with the title 'Testing Server' and the content 'Server is being tested'.

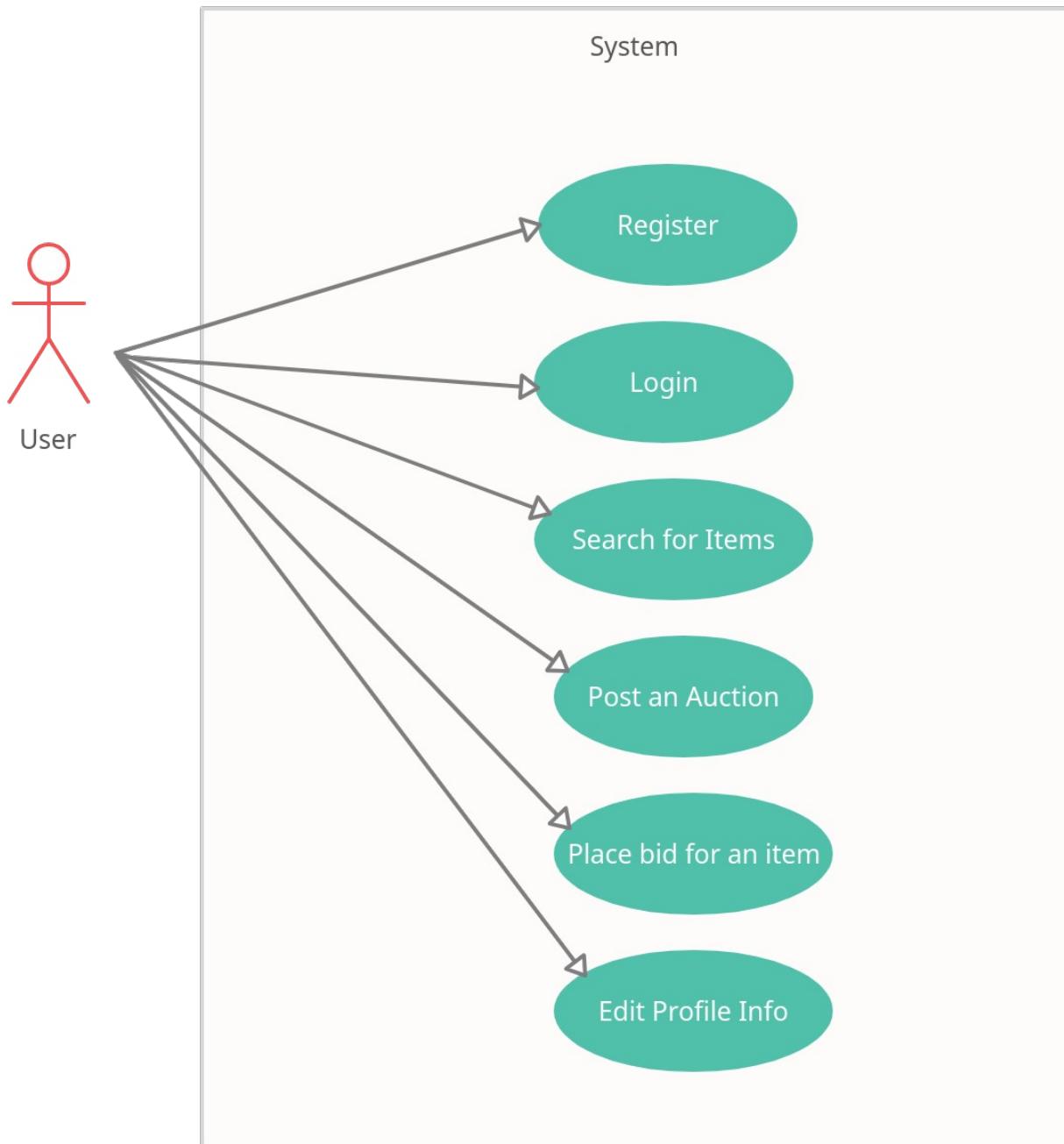
- ✓ This is based on HTTP-Request. It fetch the data from the firebase.
- ✓ It also clears the data.

## Project :- Online Auction System

- There is two side of pannels is there in this project.
  - ✓ One side is Admin Side and another is User Side.
  - ✓ In User Side, there will be both buyer and seller will come.

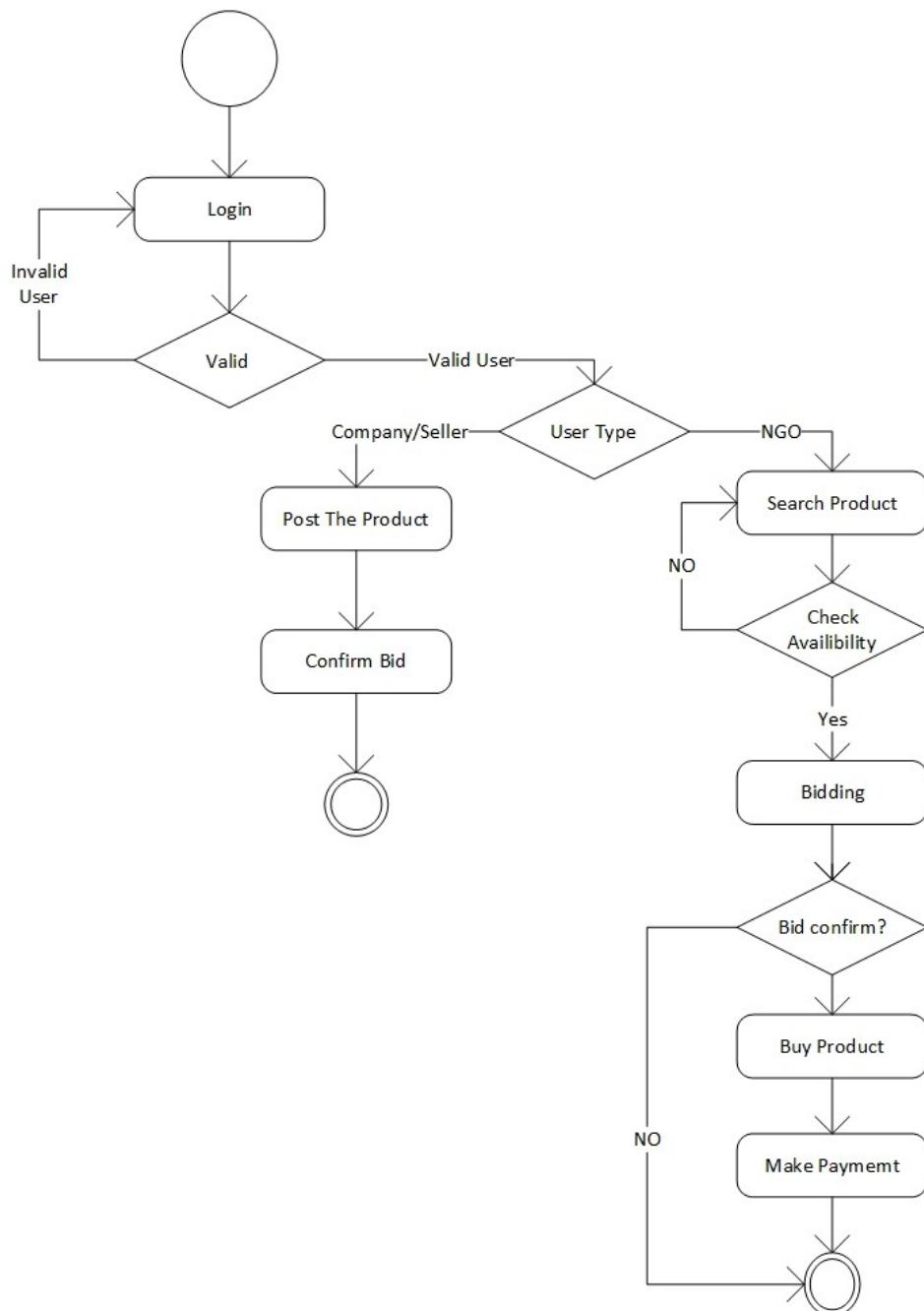
# Internship In MEAN STACK Technology

## UML USECASE DIAGRAM



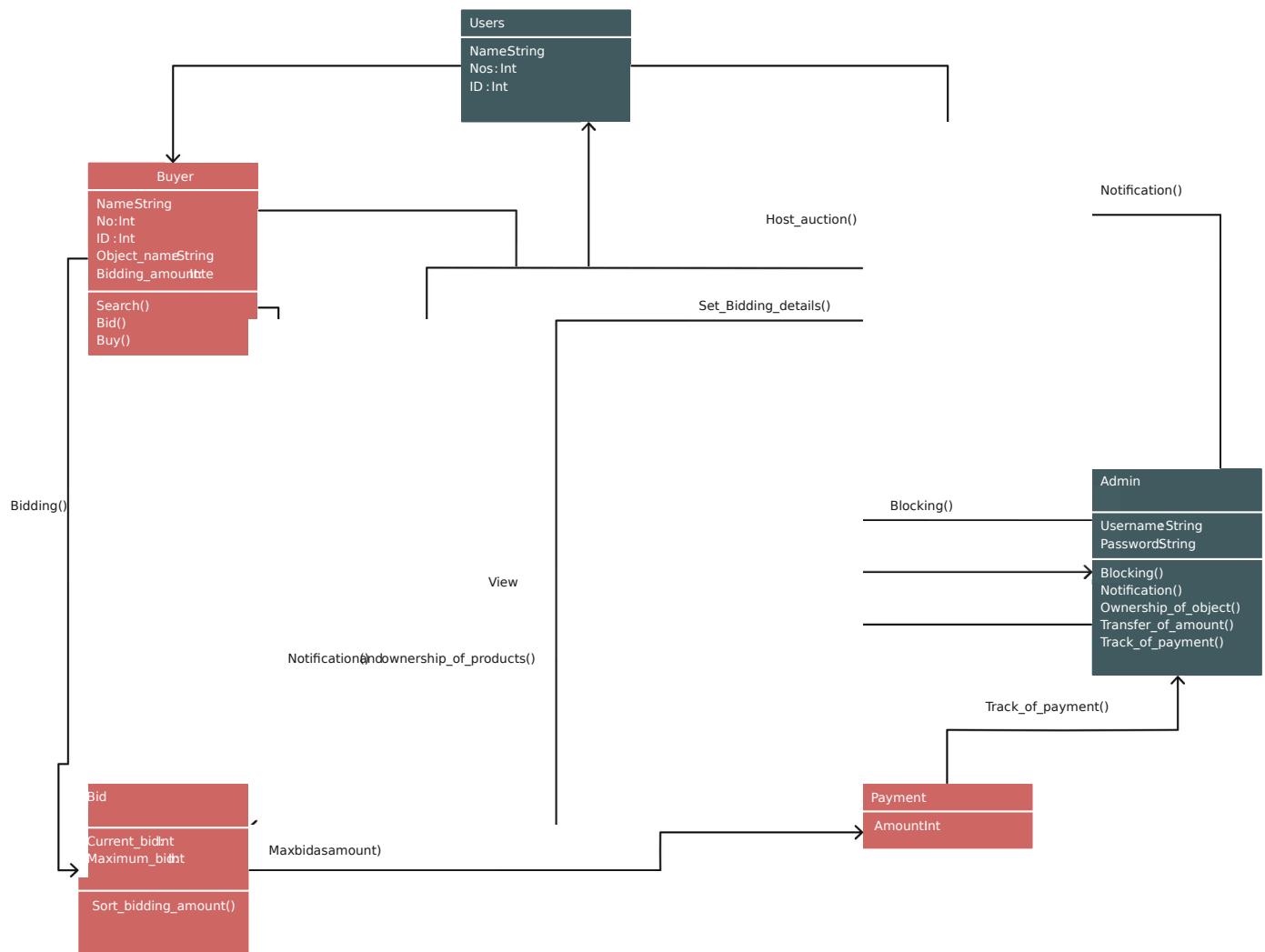
# Internship In MEAN STACK Technology

## UML ACTIVITY DIAGRAM



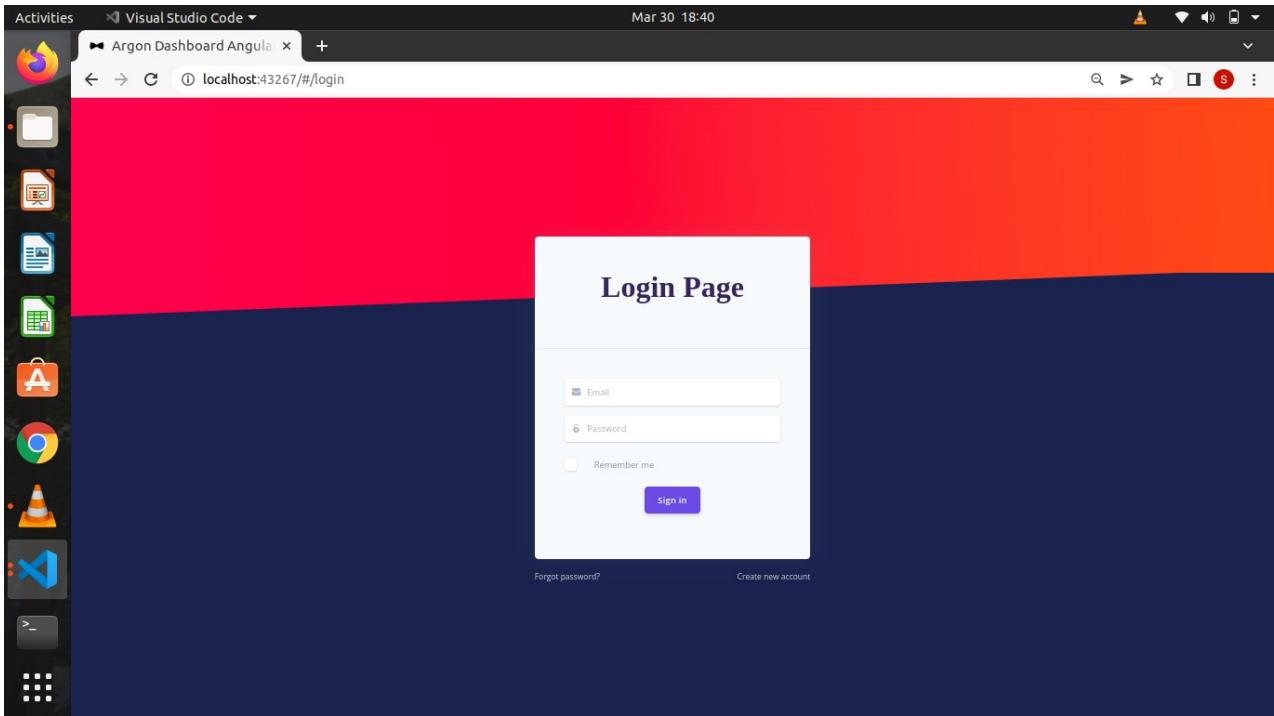
# Internship In MEAN STACK Technology

## UML CLASS DIAGRAM



## Internship In MEAN STACK Technology

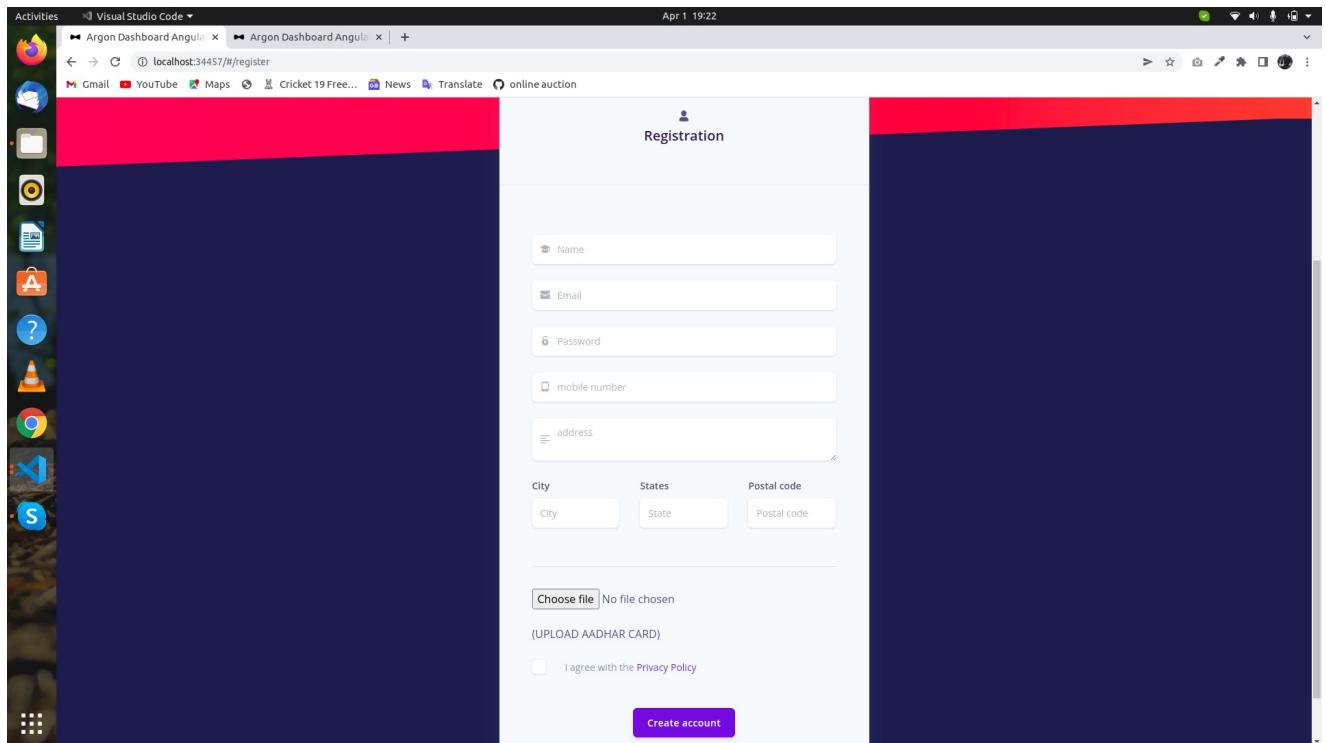
# Login Page



- ✓ This is Login Page of Auction website.
- ✓ In this, there are fields of email and password.
- ✓ It has option of Forgot Password and Create Account.

## Internship In MEAN STACK Technology

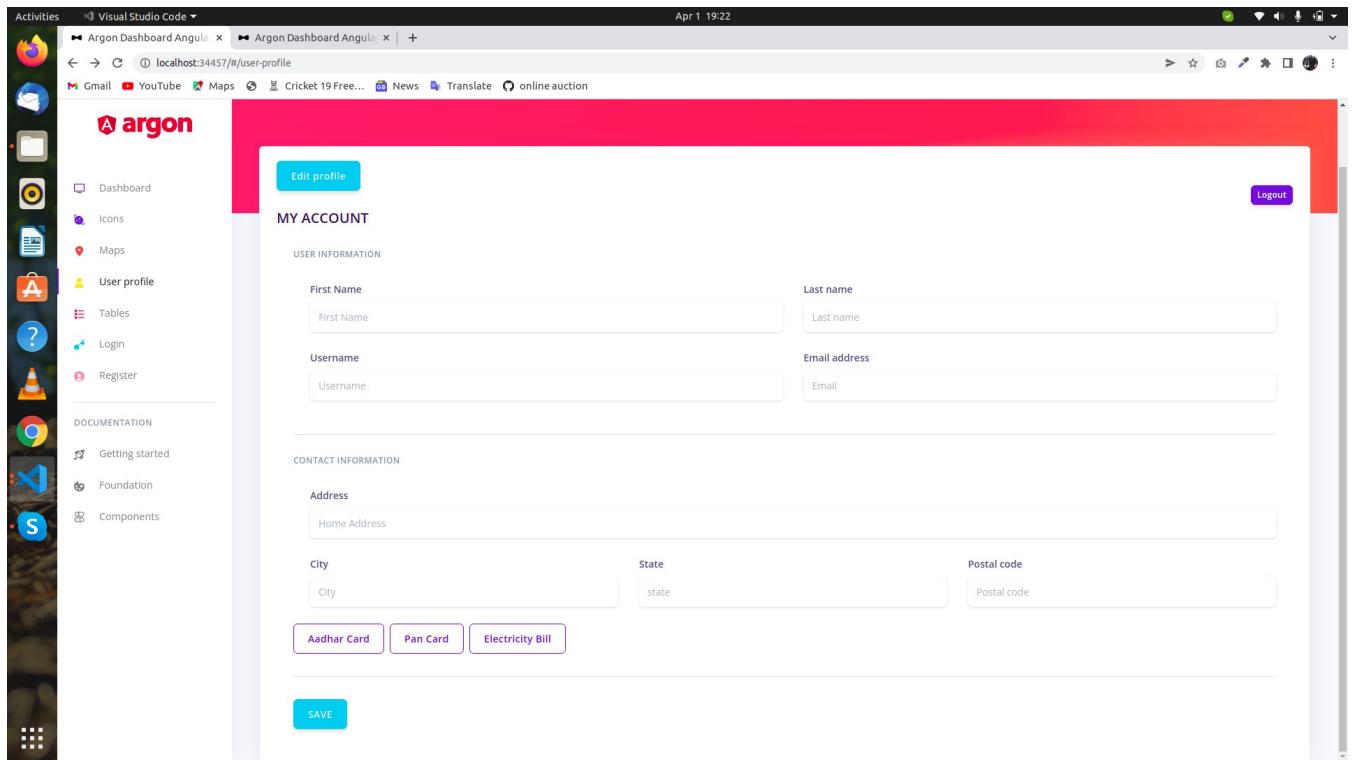
# Register Page



- ✓ This is Register Page of Auction.
- ✓ If the user is new to the website than they have to first register themselves.

# Internship In MEAN STACK Technology

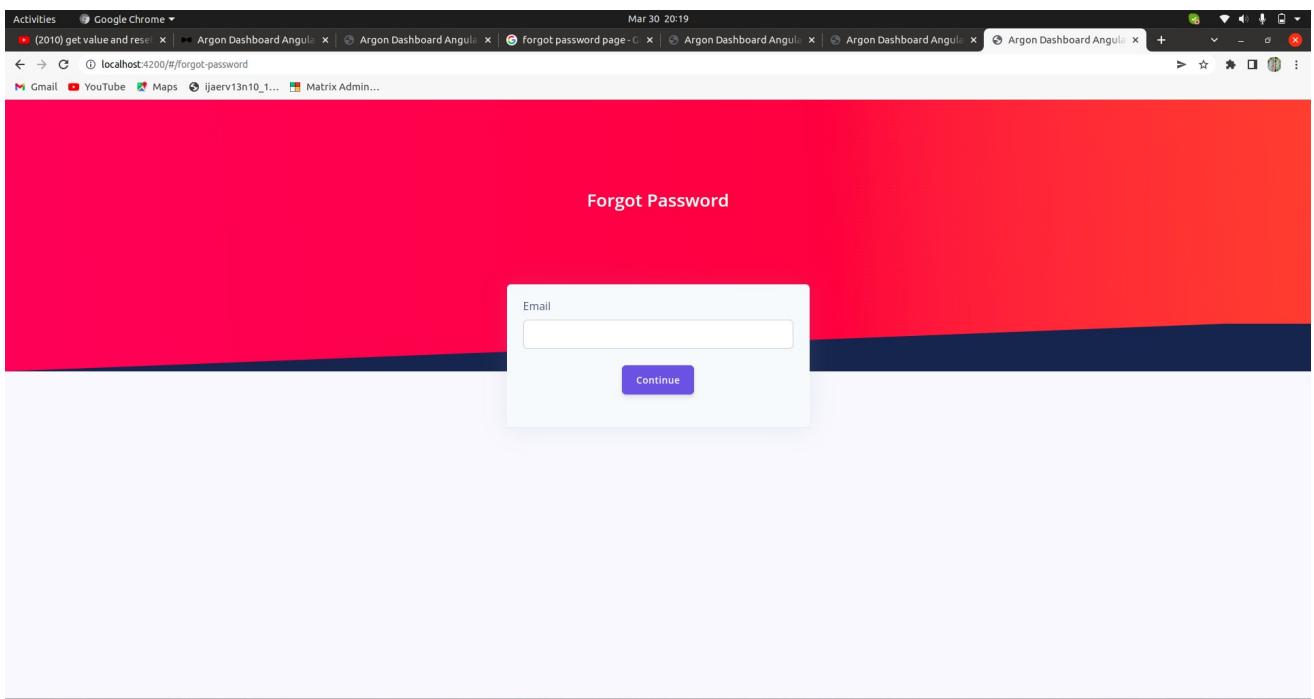
## User Profile Page



- ✓ This is the User Profile Page.
- ✓ User can add their details in this page.
- ✓ They also can update their details.
- ✓ Here, all the information of the users are collected and store in Database

## Internship In MEAN STACK Technology

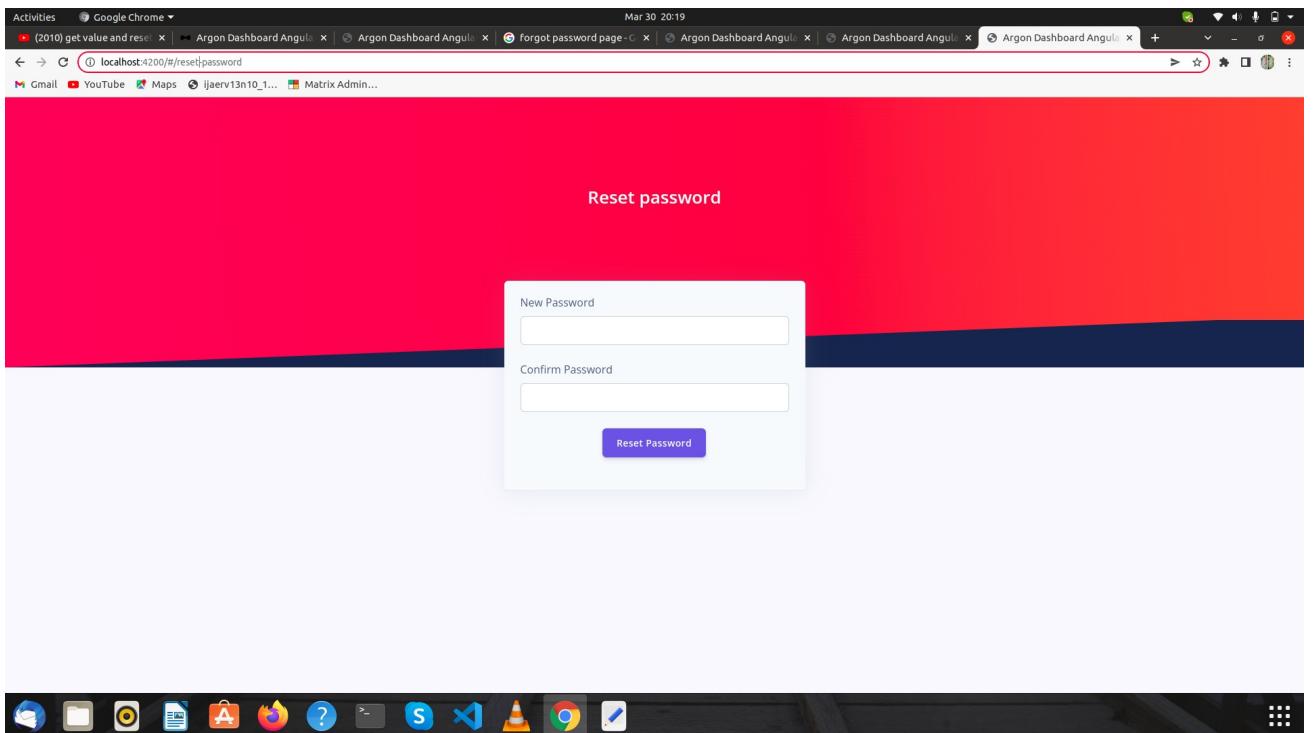
# Forgot Password Page



- ✓ This is Forgot Password Page.
- ✓ If any user forgot password than they have to submit their mail here.

## Internship In MEAN STACK Technology

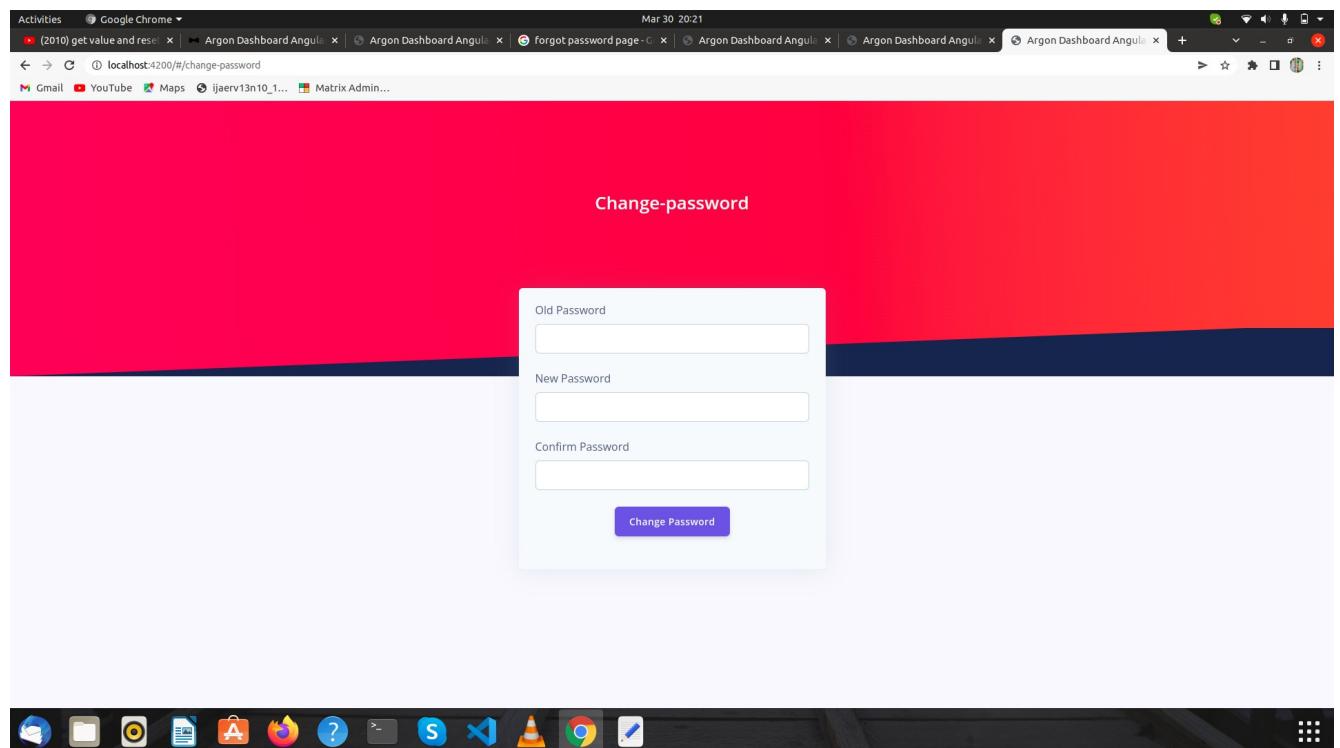
# Reset Password Page



- ✓ This is Reset Password Page.
- ✓ In this user can reset their password.

## Internship In MEAN STACK Technology

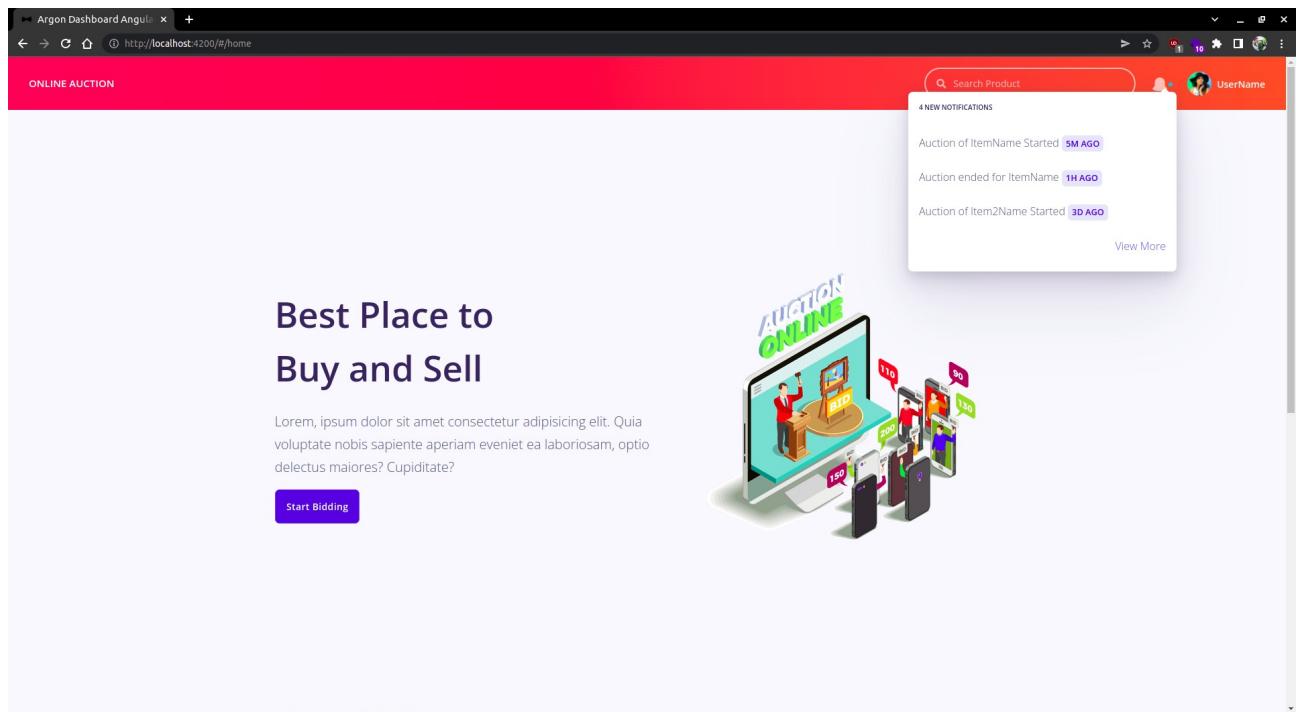
# Change Password Page



- ✓ This is Password Changing Page.
- ✓ In this, user can change password by adding old password.

## Internship In MEAN STACK Technology

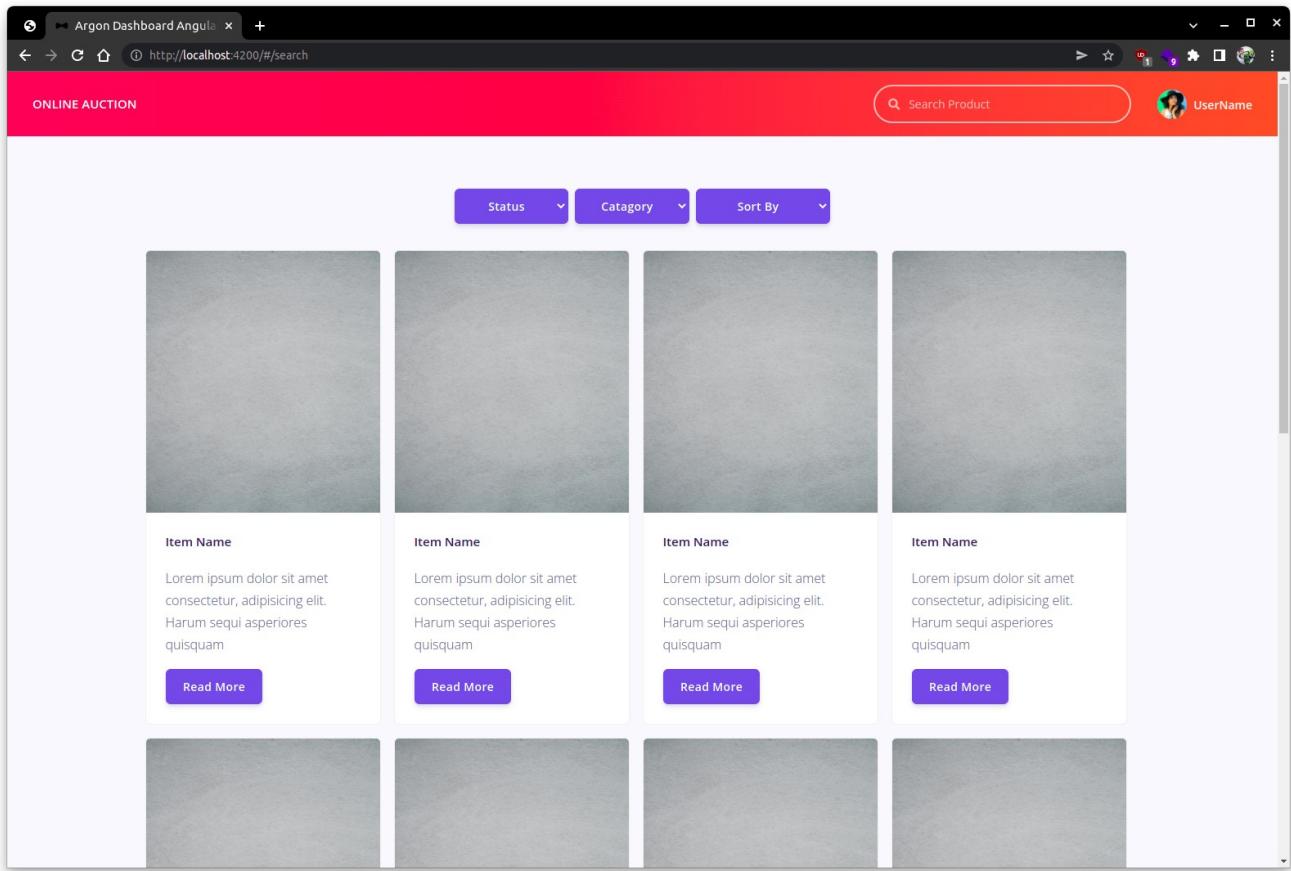
# Home/Landing Page



- ✓ This is landing page of the Auction.
- ✓ In this user can search products.

# Internship In MEAN STACK Technology

## Product Page



- ✓ This is page of product .
- ✓ In this page, all products will be listed.
- ✓ If someone wants particular product than they can filter out from the above options.

## Internship In MEAN STACK Technology

# Particular Product Page

The screenshot displays a MEAN Stack application interface. On the left, there's a sidebar titled 'argon' with navigation links for Dashboard, Icons, Maps, User profile, Tables, Login, Register, Documentation, Getting started, Foundation, and Components. The main content area has a red header bar with 'DASHBOARD' and a search bar. A user profile for 'jessica jones' is shown. Below the header, a product card for a 'Vintage Car' is displayed, featuring a black and white image of a classic car. The card includes the title 'Vintage Car', a description placeholder, a category 'Automobiles', and seller information 'Seller : Yash Maheshwari' and 'Date : 03/12/22'. Below this, there are two sections: 'Up-Coming' and 'Live'. The 'Up-Coming' section shows a start date of 03/12/22 and an end date of 10/12/22, with a base price of \$500. The 'Live' section shows a current bid amount of \$1000, your last bid amount of \$800, and a base price of \$500. It also indicates the bidding will end on 10/12/22 at 5:30pm. To the right of the bidding details is a 'Bidding Details' table showing bids from Jinang Shah (\$1100), Deep Patel (\$900), Jinang Shah (\$800), Deep Patel (\$600), and Jinang Shah (\$500). There are buttons for '+ \$50', '+ \$100', '+ \$200', and a 'Make Bid' button. At the bottom, there's a 'Completed' section showing a sold for amount of \$1000, base price of \$500, and completion date of 10/12/22. It also lists the same bidding history. A 'Comment Section' follows, with a text input field and a 'Post' button. The comments show interactions between Jinang Shah and Yash Maheshwari. The footer contains copyright information for Creative Tim and links to About Us, Blog, and MIT License.

- ✓ This page is of particular product.
- ✓ If any user click on any particular product this type of product page will open.

34.

## Internship In MEAN STACK Technology

# Favourite List Page

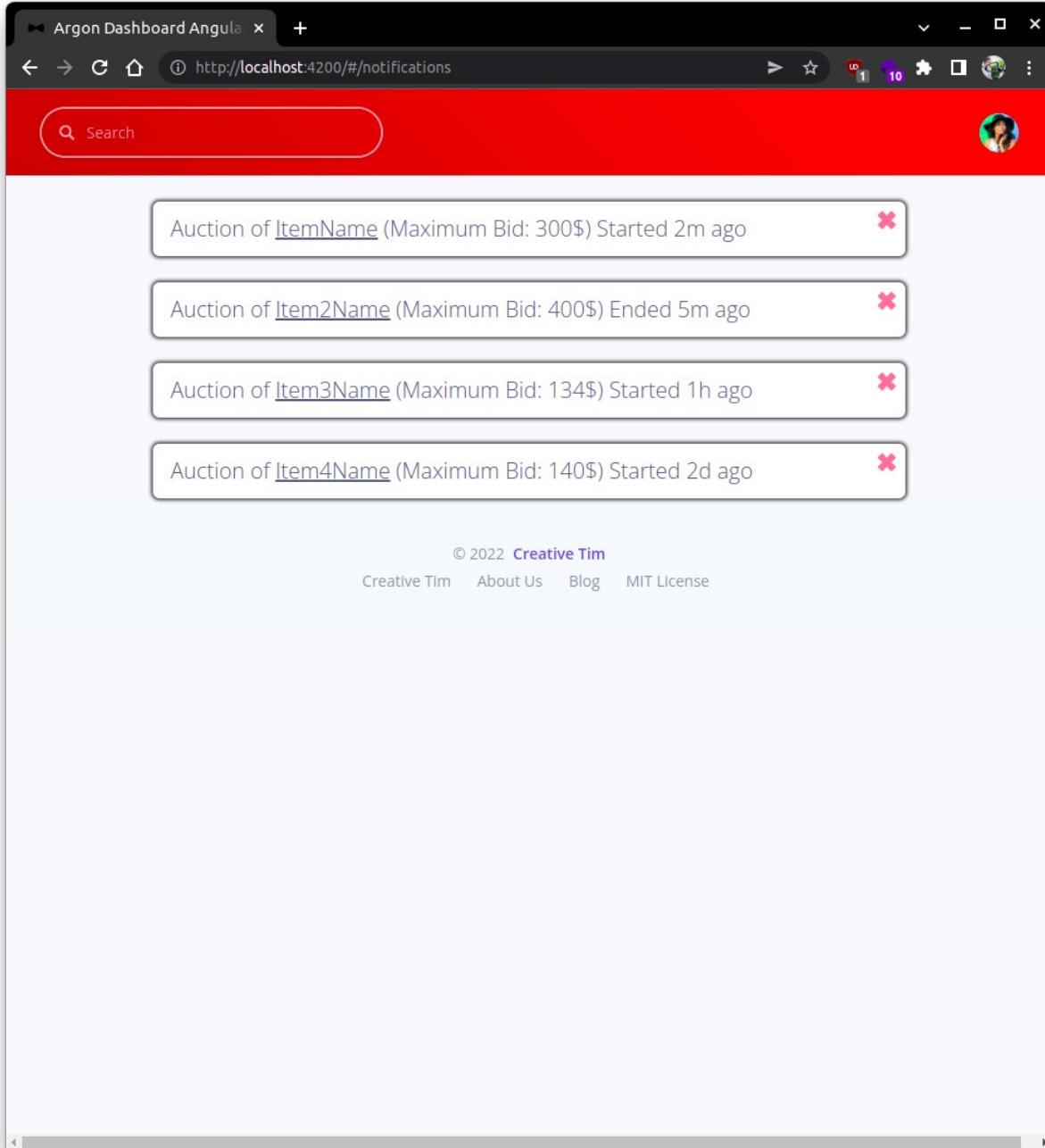
The screenshot shows the 'Favourites List' section of the Argon Dashboard. The page has a dark blue header with the title 'Favourites List'. Below the header is a table with five rows, each representing a favourite product. The columns are labeled 'PRODUCTS', 'BASE PRICE', 'STATUS', and 'DATE'. The products listed are: 'Vintage Car' (\$30,500 USD, pending, 31-03-2022), 'Samsung Mobile' (\$1,100 USD, completed, 20-03-2022), 'Rolls Royce' (\$150,000 USD, delayed, 01-05-2022), 'Iphones' (\$1,200 USD, on schedule, 05-04-2022), and 'MacBook PRO' (\$3,000 USD, completed, 27-03-2022). To the left of the main content is a sidebar with various navigation links: Dashboard, Icons, Maps, User profile, Tables, Login, Register, Documentation, Getting started, Foundation, and Components. A search bar is located at the top right of the main area.

PRODUCTS	BASE PRICE	STATUS	DATE
Vintage Car	\$30,500 USD	pending	31-03-2022
Samsung Mobile	\$1,100 USD	completed	20-03-2022
Rolls Royce	\$150,000 USD	delayed	01-05-2022
Iphones	\$1,200 USD	on schedule	05-04-2022
MacBook PRO	\$3,000 USD	completed	27-03-2022

- ✓ This page is of Favourite list.
- ✓ If any user, adds their favourite product for future it will show in this page.

## Internship In MEAN STACK Technology

# Notification Page



- ✓ This page is of notification page.
- ✓ If any upcoming bidding is coming, any bid started or ended, the winner who won bid all notifications will be there.

## Internship In MEAN STACK Technology

### Item Information Page

The screenshot shows a web-based form titled "Fill Item Information". The form is divided into several sections with labels and input fields:

- Item Name:** A text input field with placeholder text "Enter item name".
- Item Category:** A dropdown menu labeled "Choose Item Category".
- Item Description:** A text input field with placeholder text "Enter item description".
- Item Base Price:** A text input field with placeholder text "Enter price".
- Start Date:** A date input field with placeholder text "dd/mm/yyyy" and a calendar icon.
- End Date:** A date input field with placeholder text "dd/mm/yyyy" and a calendar icon.
- Item Original Bill:** A text input field.

- ✓ This page is of Item information page.
- ✓ In this page, the seller will describe all the details of item which they want to sell or we can say keeping up for bid.

## Internship In MEAN STACK Technology

# Buying History & Selling History Page

The screenshot shows the Argon Dashboard interface. On the left, there's a sidebar with navigation links: Dashboard, Icons, Maps, User profile, Tables (which is selected and highlighted in purple), Login, Register, Documentation, and Getting started. The main content area has a red-to-orange gradient header with a search bar and a user profile for Jessica Jones. Below the header are two cards: 'Buying History' and 'Selling History'. Each card contains a table with data and a navigation bar at the bottom.

Buying History			
Product	Amount	Status	Purchased Date
mobile	\$2,500 USD	pending	29/03/2021
Table	\$1,800 USD	completed	22/12/20
Car	\$3,150 USD	delayed	18/03/2021
Ball	\$4,400 USD	on schedule	02/11/2020
toy	\$2,200 USD	completed	04/05/2021

Selling History			
Product	Min Price..	Status	Selling Date
mobile	\$2,5 USD	pending	29/03/2021
Table	\$1,8 USD	Completed	22/12/20
Car	\$3,15 USD	Live	18/03/2021
Ball	\$4,4 USD	UpComing	02/11/2020
toy	\$2,2 USD	Completed	04/05/2021

- ✓ This page is of Buying and Selling History.
- ✓ Whatever users will buy it will show in buying history.
- ✓ Whatever seller will sell it will show in selling history.

## Internship In MEAN STACK Technology

# Dashboard Page(Admin)

The screenshot displays the Admin Dashboard for the Argon application. The top navigation bar includes the 'argon' logo, a search bar, and a user profile for 'jessica jones'. The left sidebar contains links for Dashboard, Icons, Maps, User profile, Tables, Login, Register, Documentation, Getting started, Foundation, and Components. The main content area features several key performance indicators (KPIs) and charts.

- NEW VISITS:** 350,897 (Up 3.48% since last month)
- NEW USERS:** 2,356 (Down 3.48% since last week)
- SALES:** 924 (Down 1.10% since yesterday)
- PERFORMANCE:** 49,65% (Up 12% since last month)

**OVERVIEW: Sales value** (Line chart showing sales value from May to December, starting at \$5k in May and rising to over \$50k by December).

**PERFORMANCE: Total orders** (Bar chart showing total orders per month from July to December, with values ranging from approximately 15 to 30).

**New Users** (Table showing new user details):

User Name	User Email	User Contact	User Profile
ABC	XYZ@gmail.com	340	<a href="#">View Profile</a>
PQR	XYZ@gmail.com	319	<a href="#">view profile</a>
MNO	XYZ@gmail.com	294	<a href="#">view profile</a>
ASD	XYZ@gmail.com	147	<a href="#">view profile</a>
/argon/profile.html	1,795	190	46,53%

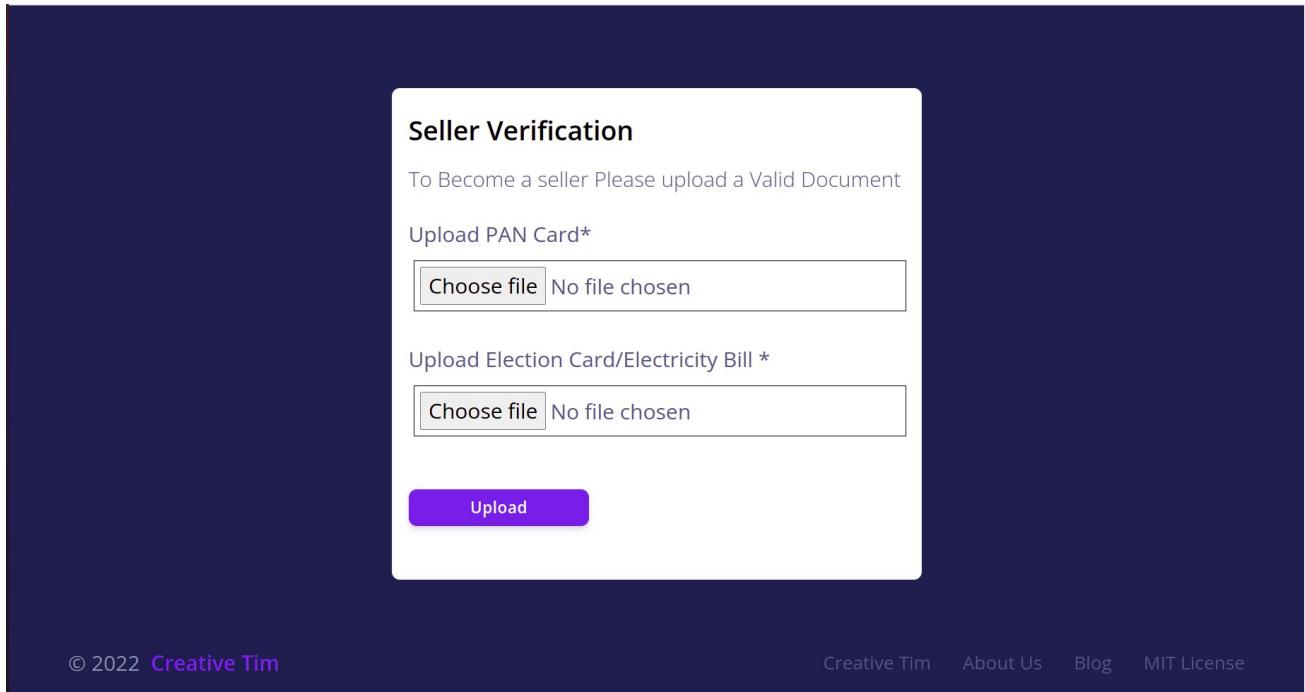
**New Complains** (Table showing complain details):

User Name	Complain Details	Date
Facebook	<a href="#">view complain</a>	20/12/22
Facebook	<a href="#">view complain</a>	7/7/21
Google	<a href="#">view complain</a>	8/12/21
Instagram	<a href="#">view complain</a>	17/03/21
twitter	<a href="#">view complain</a>	30/09/21

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- ✓ This is Dashboard of Admin side.
- ✓ In this, it will show the new visitors, new users, sales, performance, complains, sidebar .

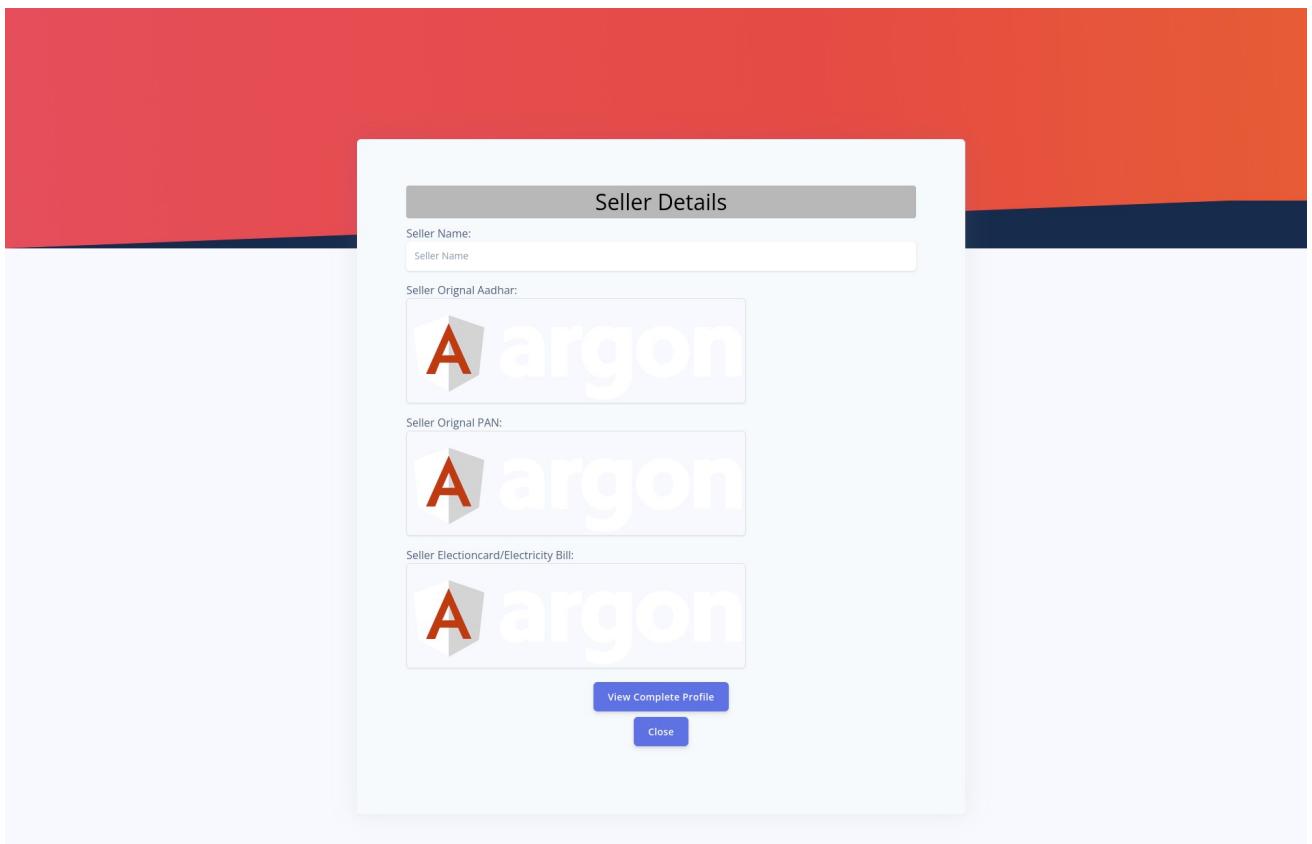
# Seller Verification Page(Admin)



- ✓ This page is of Seller Verification.
- ✓ In this page, seller have to upload their documents.
- ✓ If the documents are verified from the admin side than only the seller will be able to sell.

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## Seller Details Page(Admin)



- Here, the documents of seller will be seen. Once, the admin verify the seller they can sell their products.

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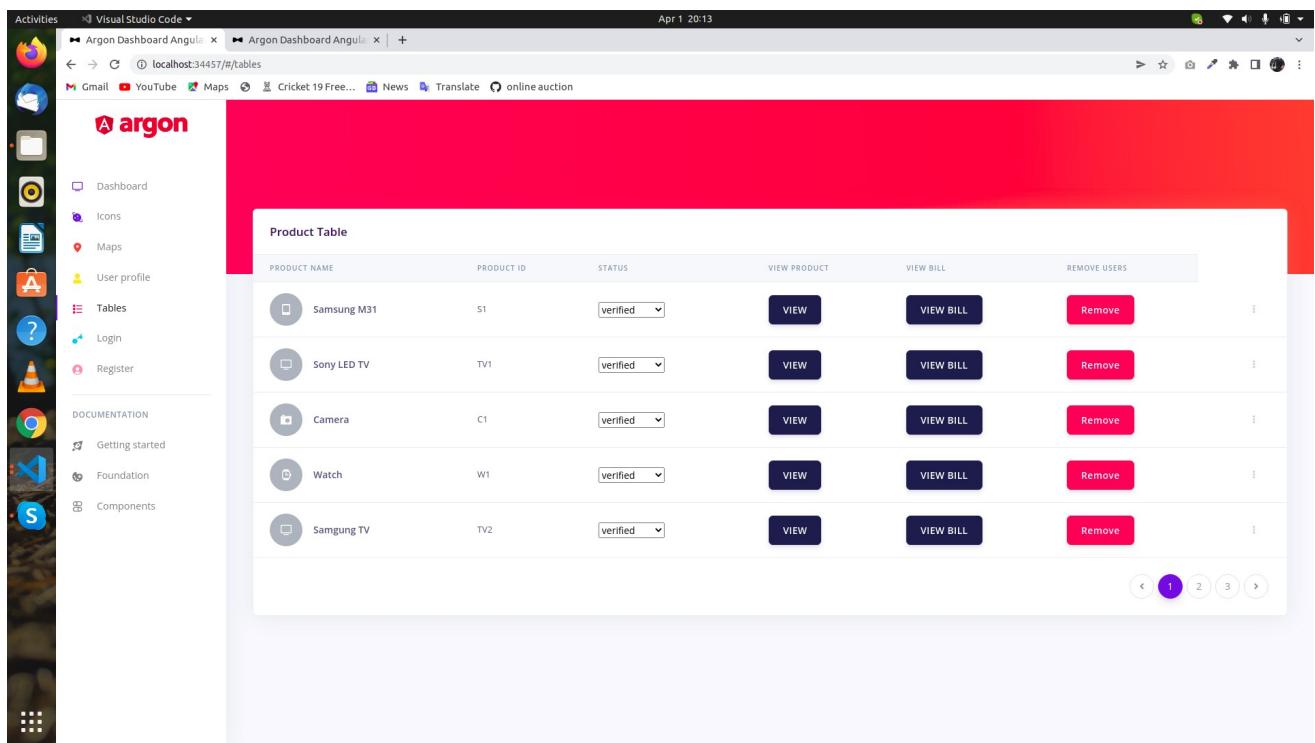
### Manage Users Page(Admin)

Manage Users					
USER NAME	USER MAIL ID	USER PHONE NUMBER	PROFILE	STATUS	REMOVE USER
Nisha	nisha.mathuria@gmail.com	+91 8945142390	<a href="#">View Profile</a>	Select <input type="button" value="▼"/>	<input type="button" value="X"/>
Surali	surali.shah@gmail.com	+91 9075238895	<a href="#">View Profile</a>	Select <input type="button" value="▼"/>	<input type="button" value="X"/>
Krunal	krunal.thakkar@gmail.com	+91 8356723905	<a href="#">View Profile</a>	Select <input type="button" value="▼"/>	<input type="button" value="X"/>
Jinang	jinang.shah@gmail.com	+91 7343459032	<a href="#">View Profile</a>	Select <input type="button" value="▼"/>	<input type="button" value="X"/>
Yash	yash.maheshwari@gmail.com	+91 8923467431	<a href="#">View Profile</a>	Select <input type="button" value="▼"/>	<input type="button" value="X"/>

- ✓ This page is of manage user from admin side.
- ✓ Here, the details of users will come.
- ✓ There are six types of fields are there:  
Username, email, phn no, profile, status & remove user.

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# Product Table Page(Admin)



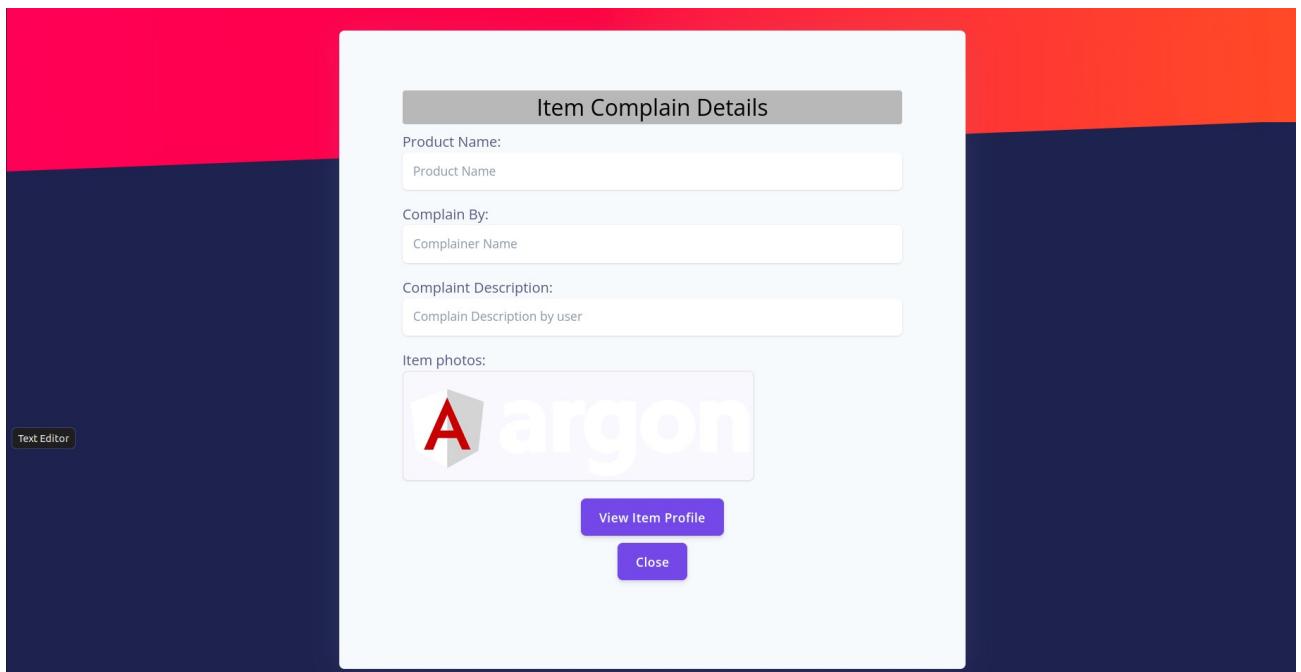
- ✓ This page is of Product Table Page from admin side.
- ✓ This page will verify that the products which are for bidding are proper or not.
- ✓ So, admin will verify this thing.

## Complains of User List Page(Admin)

Complains of Users List			
DATE	USER NAME	COMPLAIN DETAILS	STATUS
04-03-2022	Nisha	<a href="#">View Complain</a>	Pending✓
27-03-2022	Surali	<a href="#">View Complain</a>	Pending✓
07-02-2021	Krunal	<a href="#">View Complain</a>	Pending✓
01-04-2022	Jinang	<a href="#">View Complain</a>	Pending✓
15-03-2022	Yash	<a href="#">View Complain</a>	Pending✓

- ✓ This page is of Complains of User List.
- ✓ Here, the users name and the date of complain about the product will show.
- ✓ By clicking view document button, the whole complain page will open.
- ✓ After admin will select the option of pending or solved for the complain.

## Item Complains Detail Page(Admin)



- ✓ This page is of item complains details.
- ✓ Here, this page contain the item complain details.

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### References:-

<https://getbootstrap.com/docs/5.1/components/card/>

<https://www.w3schools.com/js/default.asp>

<https://www.freecodecamp.org/news/what-is-javascript/>

References of HTML&CSS, JavaScript, Angular from Udemy.