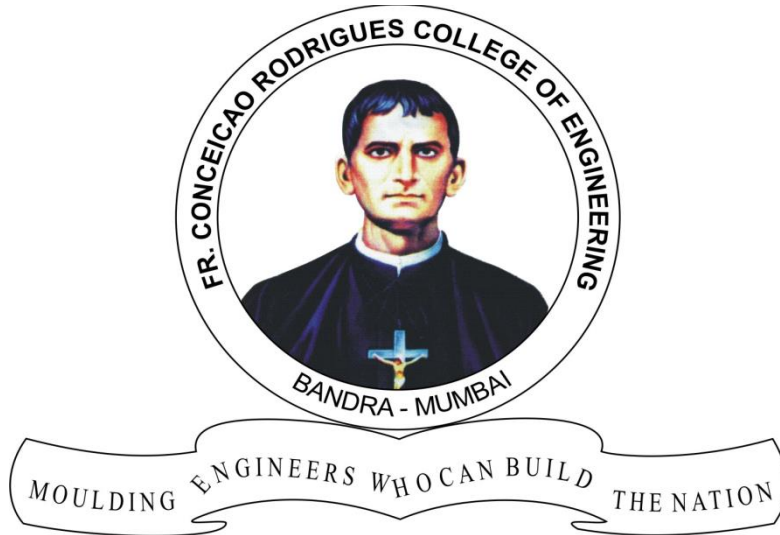


**Fr. Conceicao Rodrigues College of Engineering  
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SEM-V**



**Web Technology Project**

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## TABLE OF CONTENTS

1. Introduction	3
2. Purpose	3
3. Technology Stack	3
4. Process	
4.1 Worker Side	4
4.2 User Side	4
5. ER Diagram	5
6. Functional Requirements	
6.1 Registration	6
6.2 Worker Login	6
6.3 Customer Login	6
7. Non-functional Requirements	
7.1 Safety and Security	7
7.2 Software Quality Attributes	7
7.3 Future Aspects	7
8. Use Case	8
10. System Outlook	9
11. Conclusion	28
13. References	29

## **INTRODUCTION**

In this ever-growing age of technology the workers working or people searching for jobs are facing difficulty to know the requirement. Even the people around who are searching for people at their work place have to search on different websites and contact or search people around. In both cases even the worker who would provide efficient service and the people who are searching for such workers face some difficulty. Hence through this web application of ours both the workers one who are searching for job and the one who are looking for worker to work both will be given a platform to meet or find each other according to the work that is to be done and the efficiency of the worker.

## **PURPOSE**

The purpose of this document is to describe the requirements for the Work and Earn. It includes the information about the workers. In this system the workers and the customer both will be able to know about the requirements.

## **TECHNOLOGY STACK**

### **Front End:**

- HTML5
- CSS3
- JavaScript

### **Server End:**

- Django
- PostgreSQL as the database

## **PROCESS**

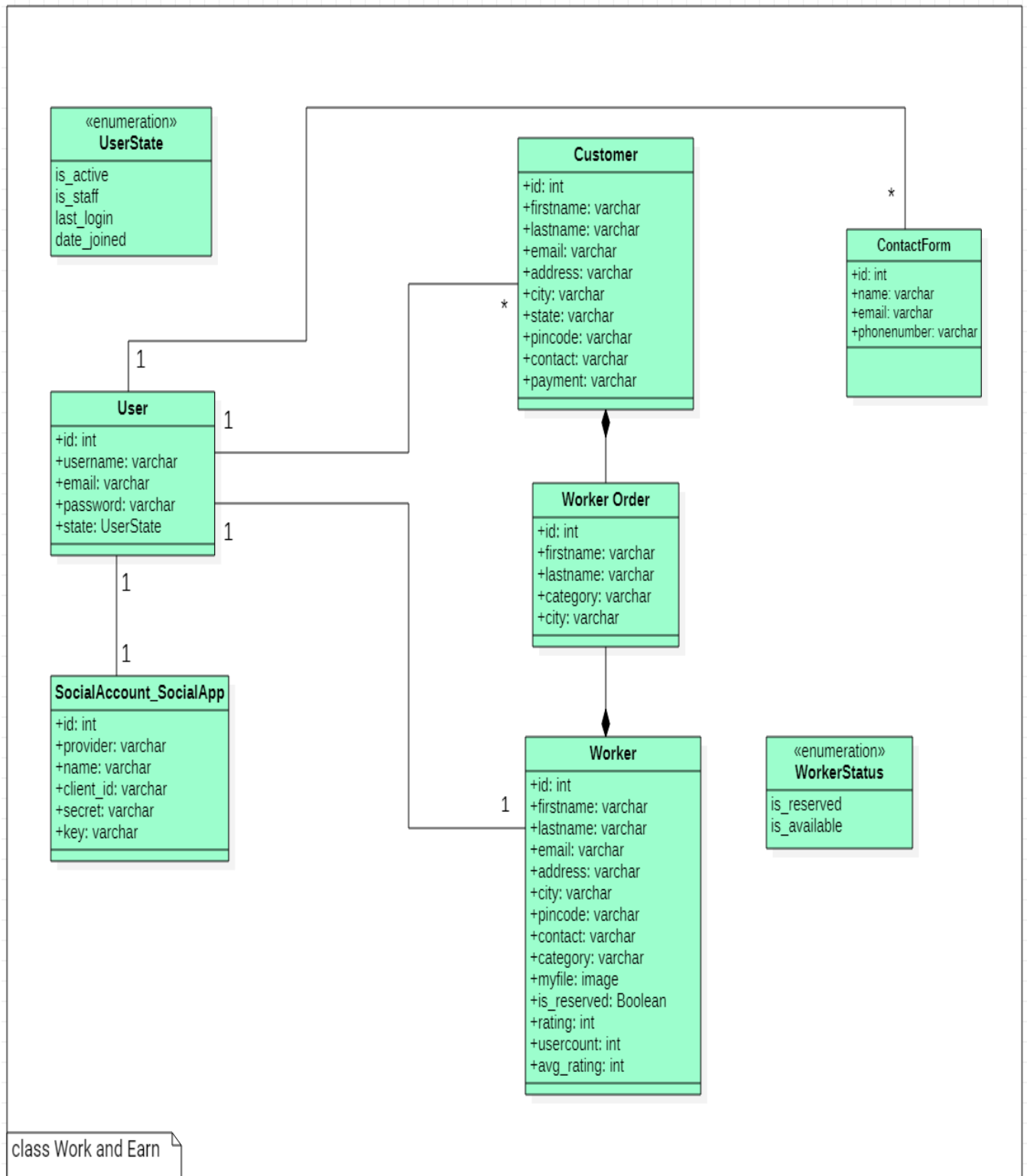
### **Worker Side---**

- To create an account, the worker has to login through our site and then get registered through registration form.
- Once the account is created, worker will be redirected to home page with console option.
- Worker can change his status from available to unavailable and vice-versa through console option as per situation. Also, worker can change status to available/unavailable as per the respective work.
- If worker is hired by customer then he/she will not be displayed in the worker list till he/she updates status.

### **Customer side---**

- The customer can surf website or search workers without login but if customer want to hire a worker or contact us then it is mandatory to get logged in.
- The worker list will be displayed to the customer based on Star rating given to the workers and it will also display the newly registered workers.
- The customer will be able to see the worker's profile photo along with the personal details such as name, category and city.
- Once customer successfully hires the worker, customer will be redirected to the rating form.

# ER DIAGRAM



## FUNCTIONAL REQUIREMENT

### Registration

- System will allow the worker as well as the customer to create an account.
- During the creation of the worker account a worker ID will also be associated with the worker which can be used for further filter purposes and identification.

### Worker Login

- **Registration:** System will allow worker to fill worker registration form along with personal details and category.

The categories are as follows:

1. Painter
2. Plumber
3. Electrician
4. Mechanic
5. Construction

- **Update Status:** Over here the workers will be able to change status from available to unavailable and vice-versa.

### Customer Login

- **Search Worker:** Once logged in, through this customer can search worker through different categories.
- **Hire Worker:** In this customer can hire worker through worker order form.
- **Give Rating:** This section is for rating a worker.
- **Contact Us:** Through this customer can contact us (Community).

# NON-FUNCTIONAL REQUIREMENTS

## Safety and Security Requirements

- **Login:** Any user who uses the system shall have a Username and Password.
- **Social Login:** Any user can login to system using Google account.

## Software Quality Attributes

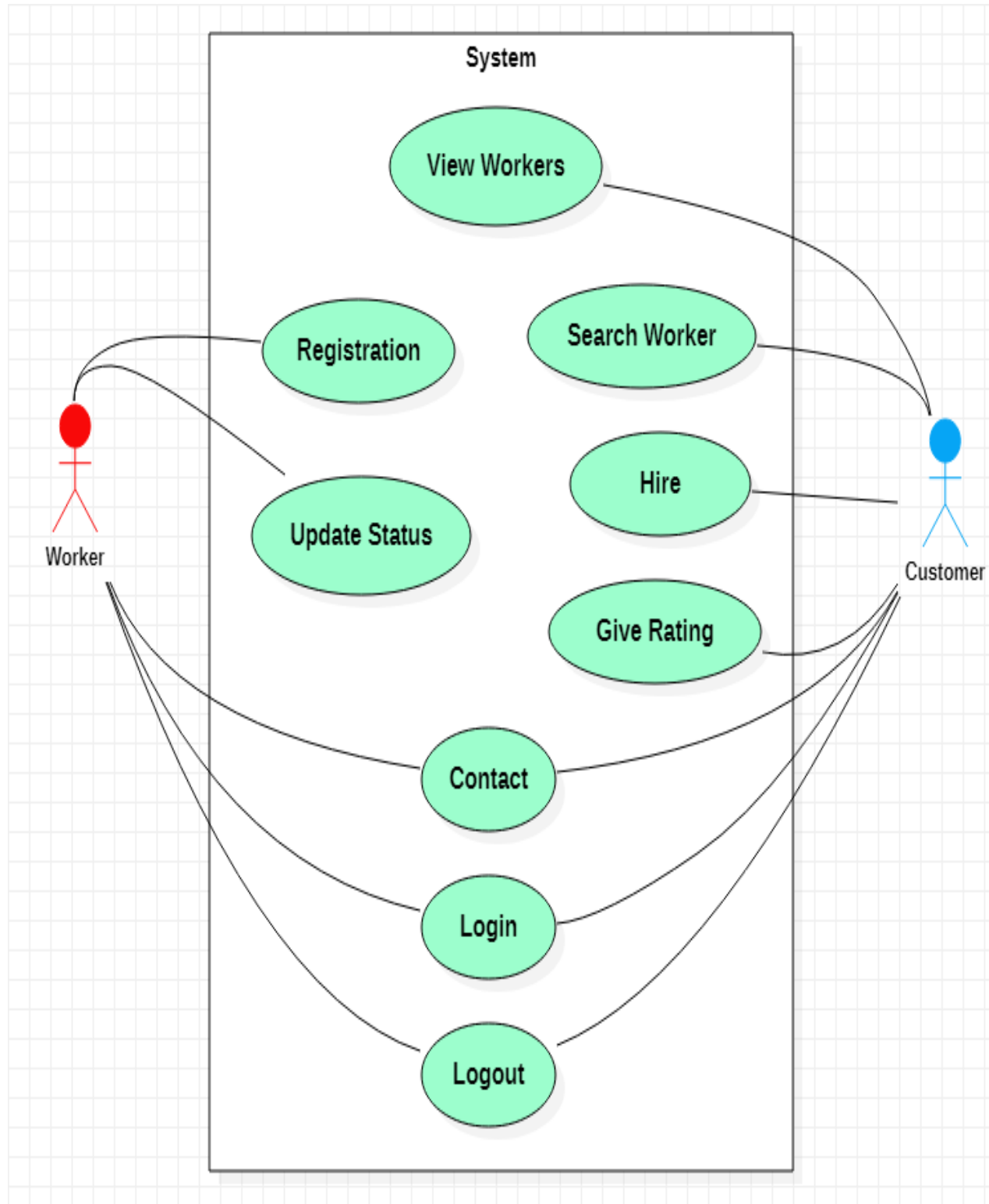
### Maintainability

- **Reliability:** The system shall be available all the time.
- **Network Connection:** They should be connected to internet 24 X 7. And the Server Must is on all time.

## Future Aspect

- Add an advanced worker search choice for the user.
- Add an update profile section for users.
- Evaluate the system in the production environment to find out more glitches and improve its efficiency and performance.

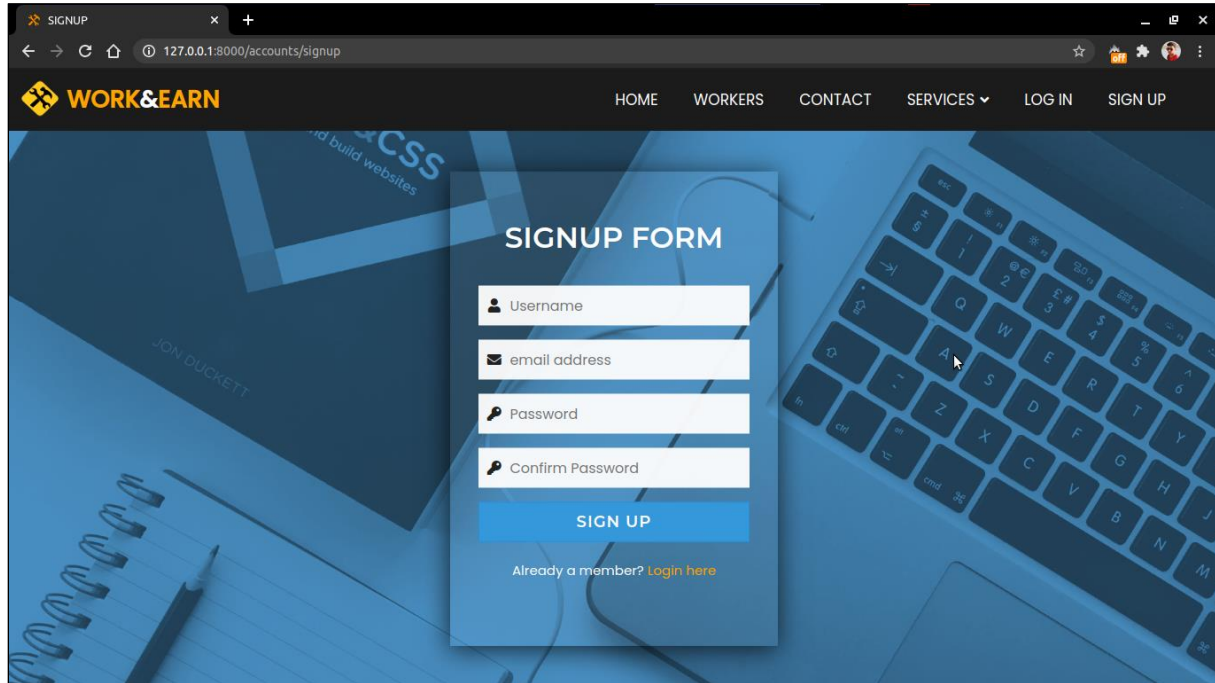
# USE CASE





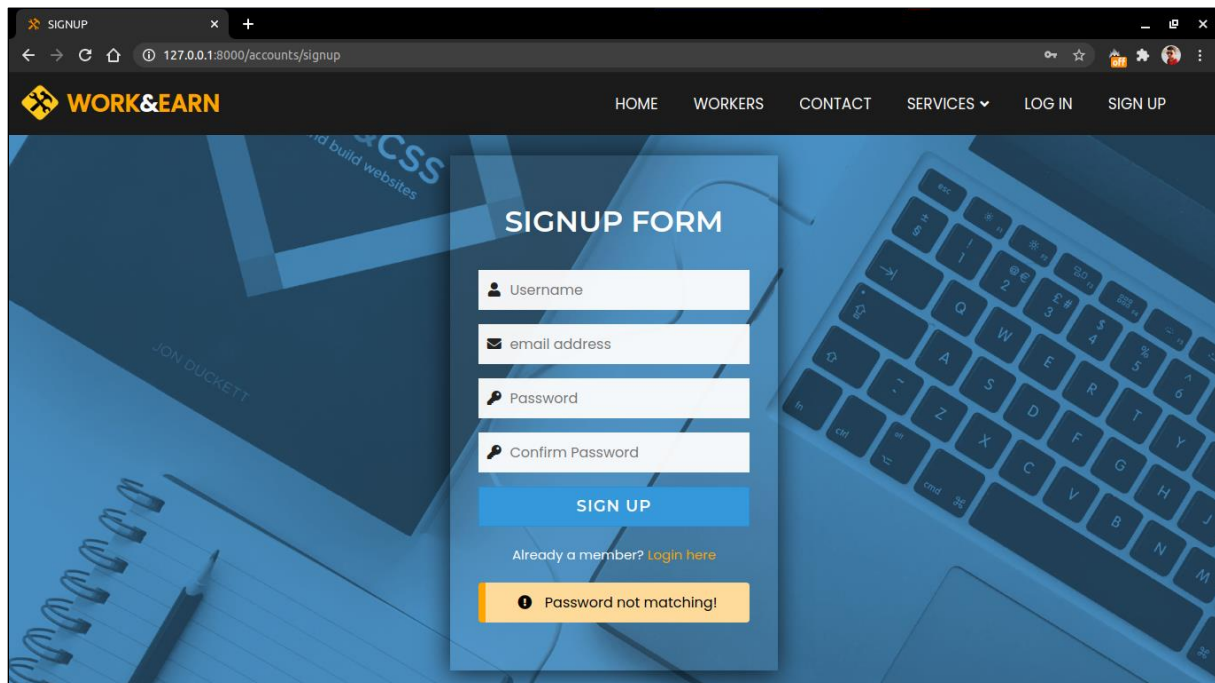
# SYSTEM OUTLOOK

## ➤ Signup Page



A screenshot of a web browser displaying the 'SIGNUP' page for 'WORK&EARN'. The browser's address bar shows '127.0.0.1:8000/accounts/signup'. The page features a dark header with the 'WORK&EARN' logo and navigation links: HOME, WORKERS, CONTACT, SERVICES (with a dropdown arrow), LOG IN, and SIGN UP. The main content area has a blue-tinted background image of a laptop keyboard and a notebook. A central white 'SIGNUP FORM' is overlaid, containing four input fields: 'Username', 'email address', 'Password', and 'Confirm Password', each with a corresponding icon. Below the fields is a blue 'SIGN UP' button. At the bottom of the form, it says 'Already a member? [Login here](#)'.

## ➤ Signup Validation



A screenshot of the same 'SIGNUP' page as above, but with a validation error. The 'SIGNUP FORM' is identical, but a yellow error message box with a red exclamation mark icon is displayed below the 'SIGN UP' button, stating 'Password not matching!'. The rest of the page layout, including the header and background, remains the same.

SIGNUP

127.0.0.1:8000/accounts/signup

WORK&EARN

HOME WORKERS CONTACT SERVICES LOG IN SIGN UP

### SIGNUP FORM

SIGN UP

Already a member? [Login here](#)

**Email address exists!**

SIGNUP

127.0.0.1:8000/accounts/signup

WORK&EARN

HOME WORKERS CONTACT SERVICES LOG IN SIGN UP

### SIGNUP FORM

SIGN UP

Already a member? [Login here](#)

**Username taken!**

## ➤ Login Page

LOGIN

WORK&EARN

HOME WORKERS CONTACT SERVICES LOG IN SIGN UP

### LOGIN FORM

Username

Password

LOGIN

Or login with

G+ Google

Not a member? [Signup Now](#)

## ➤ Login Validation

LOGIN

pgAdmin 4

127.0.0.1:8000/accounts/login

Incognito

WORK&EARN

HOME WORKERS CONTACT SERVICES LOG IN SIGN UP

### LOGIN FORM

Username

Password

LOGIN

Or login with

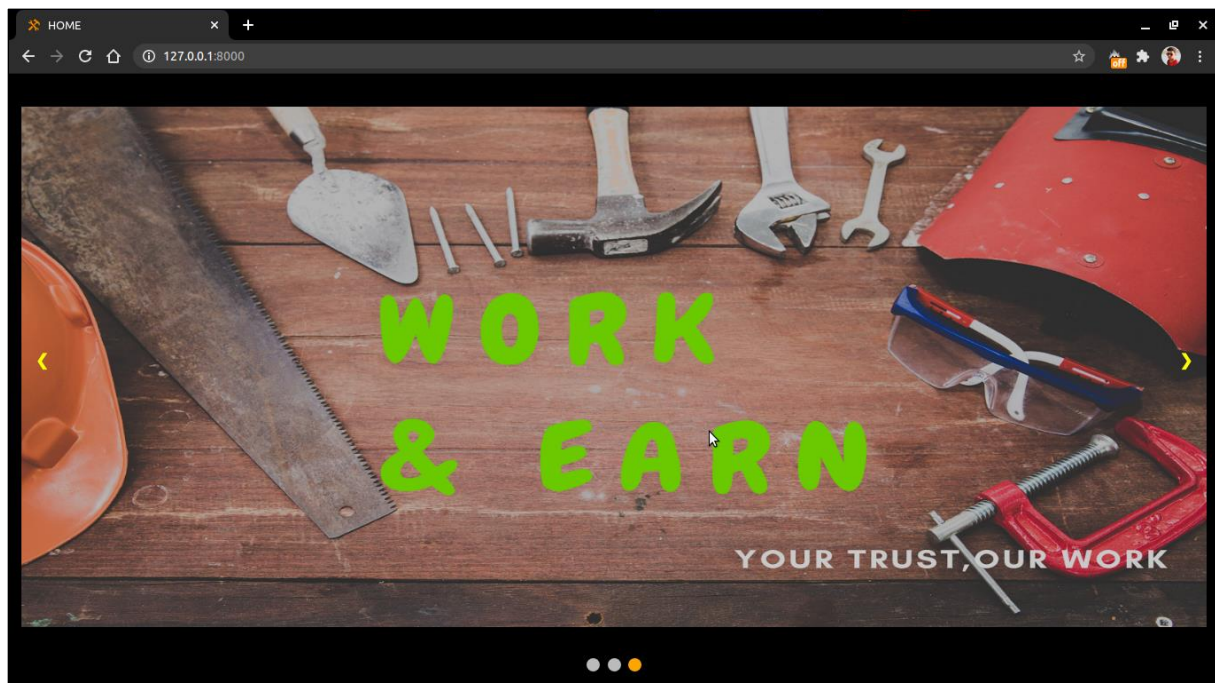
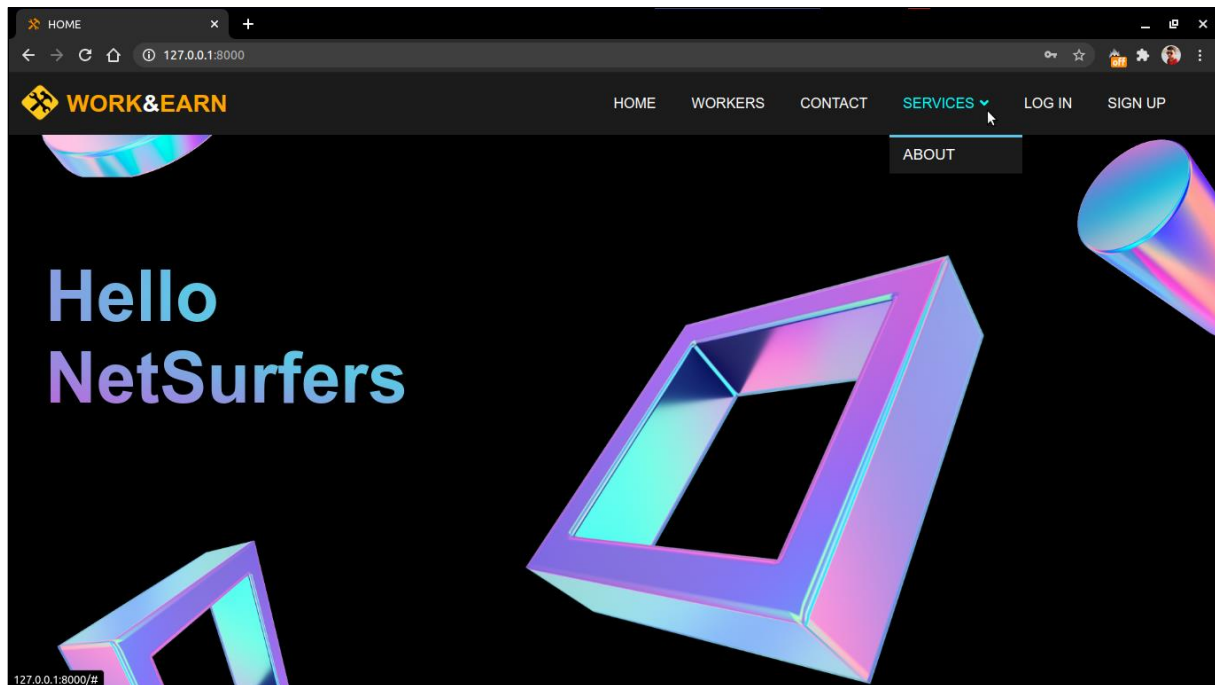
G+ Google

Not a member? [Signup Now](#)

Invalid Credentials

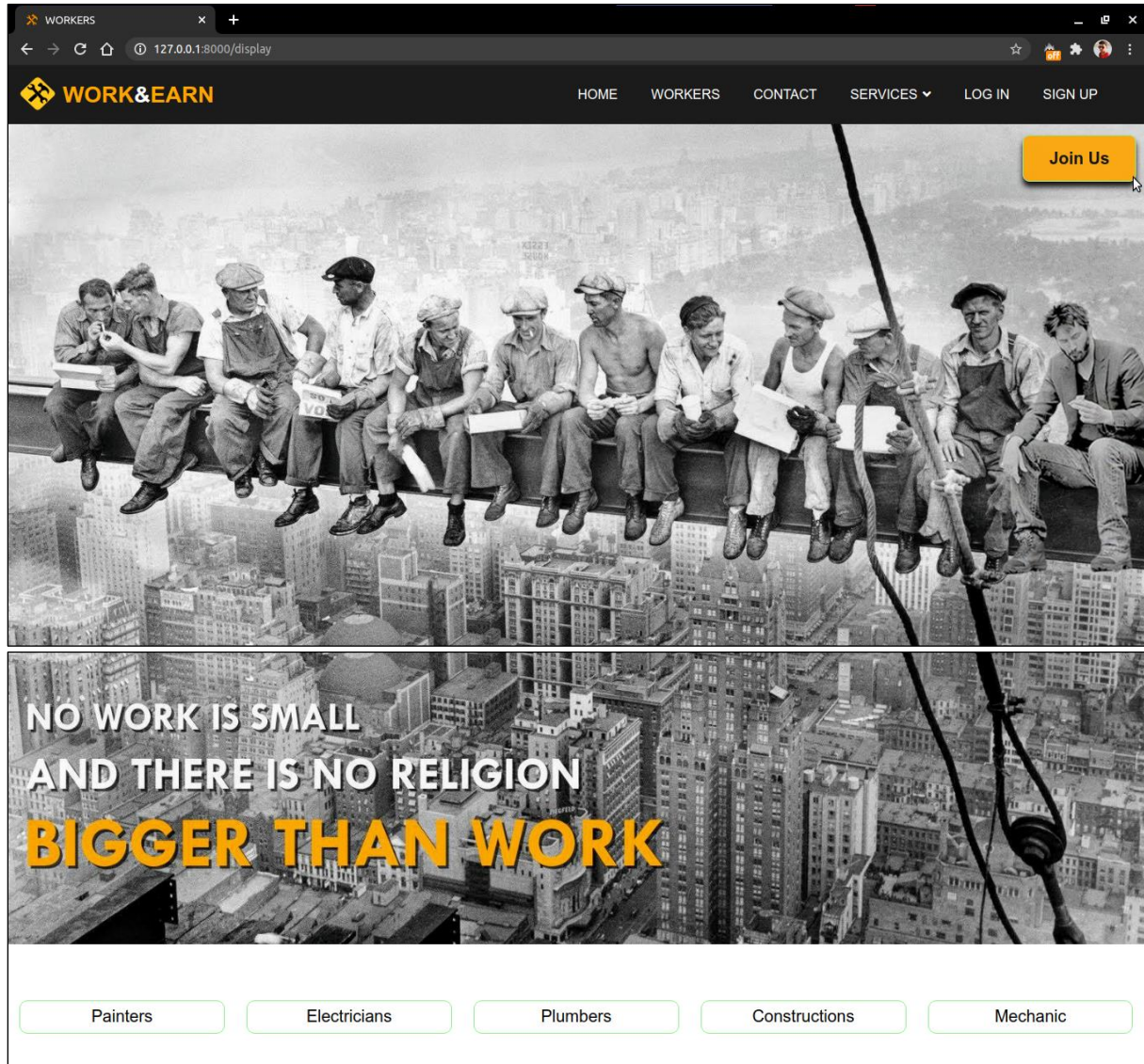


➤ Home Page



➤ User side


- Worker List



WORKERS


127.0.0.1:8000/display

Our Best Workers




Rushank Satardekar  
Construction  
Dadar  
★ ★ ★

HIRE




Vinayak Jadkar  
Electrician  
Mira Road  
★ ★ ★

HIRE




Kartik Rokade  
Mechanic  
Dahisar  
★ ★ ★ ★ ★

HIRE




Chaitanya Mohane  
Plumber  
Mira Road  
★ ★ ★ ★

HIRE



Naruto Uzumaki  
Painter  
Bhayander  
★ ★ ★


HIRE



Aadarsh Kshirsagar  
Painter  
Bhayander  
★ ★ ★


HIRE

New Workers




Selena Gomez  
Painter  
New York  
No rating

HIRE




Dytto  
Plumber  
Washington DC  
No rating

HIRE



Aaron Domingo  
Plumber  
Bandra  
No rating

HIRE

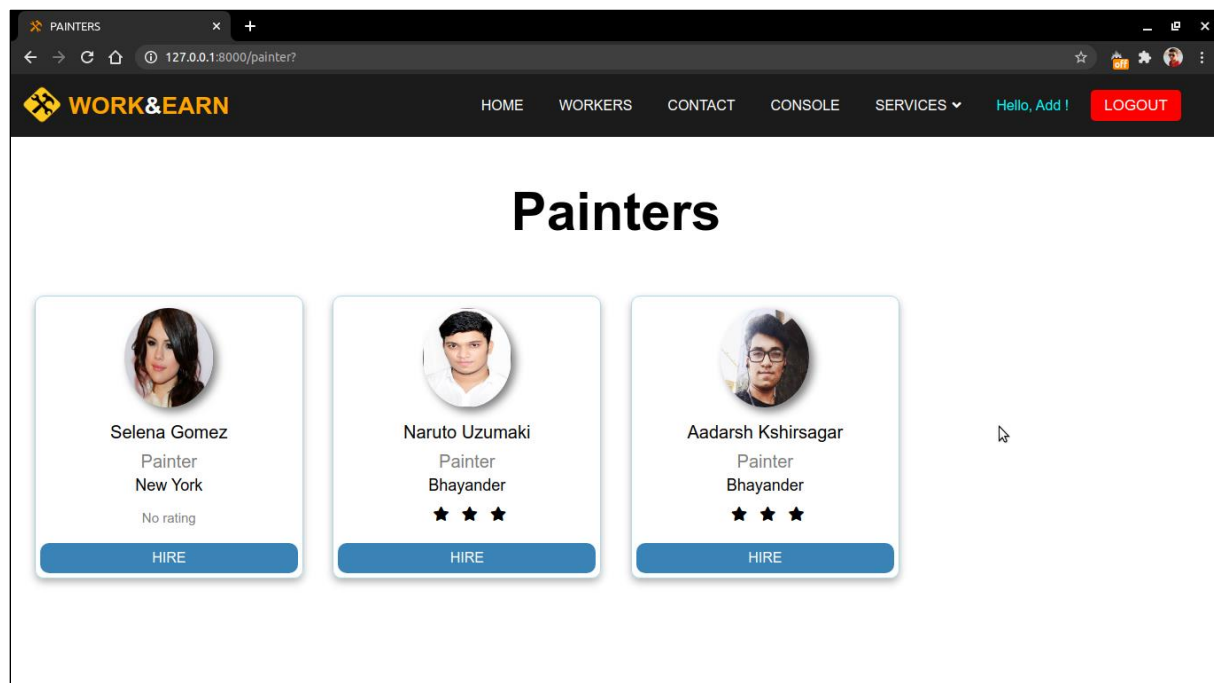
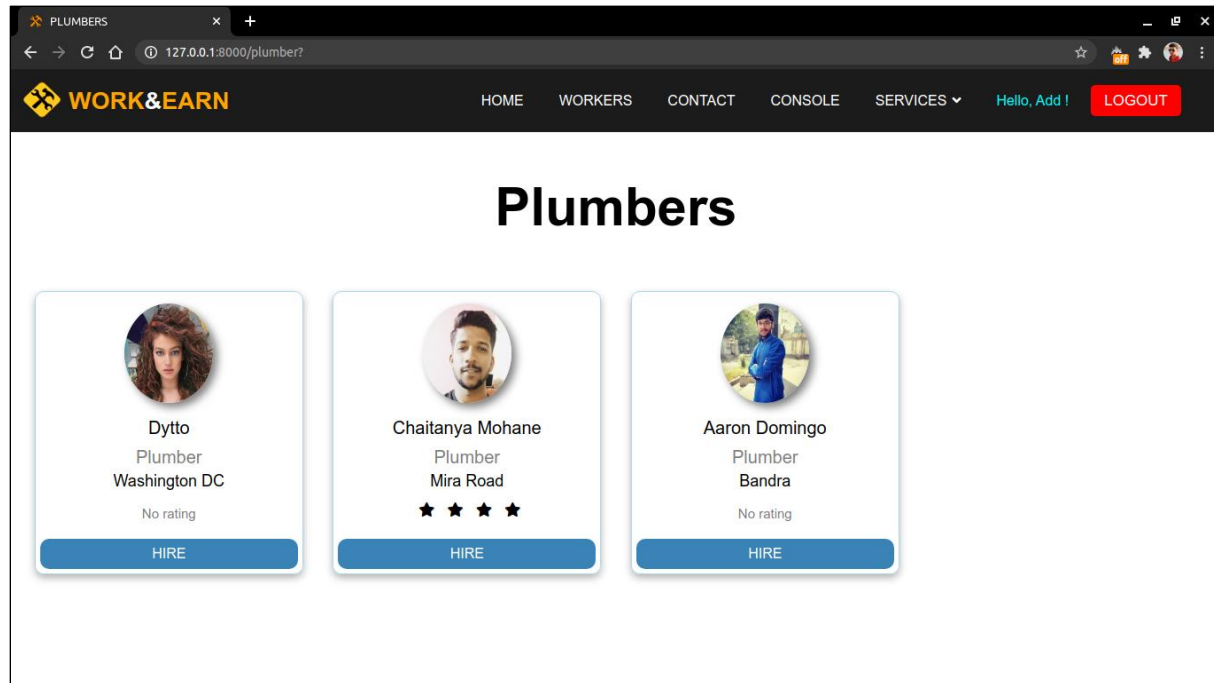


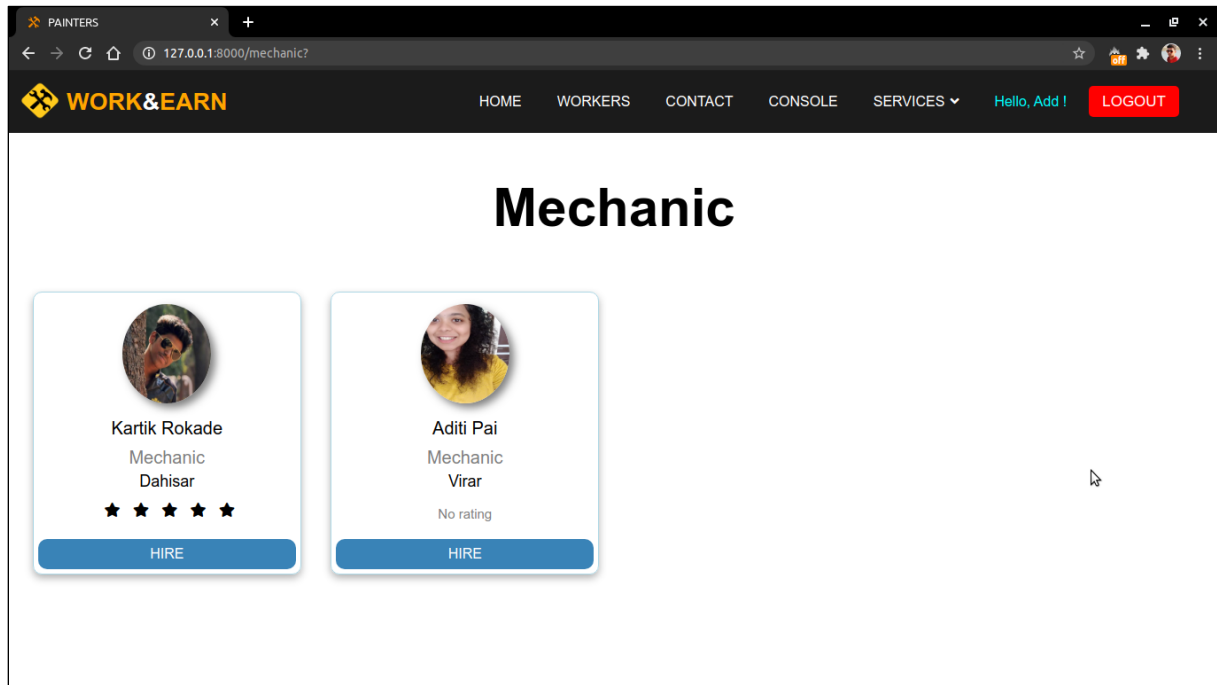
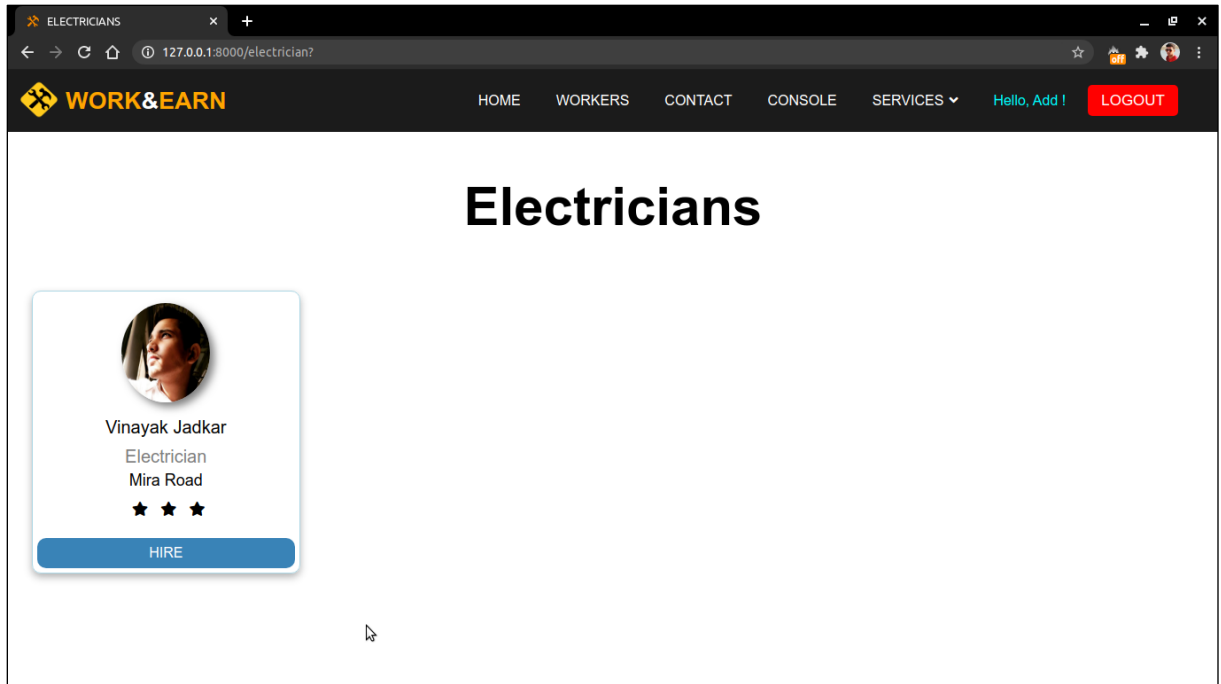
Aditi Pai  
Mechanic  
Virar  
No rating

HIRE

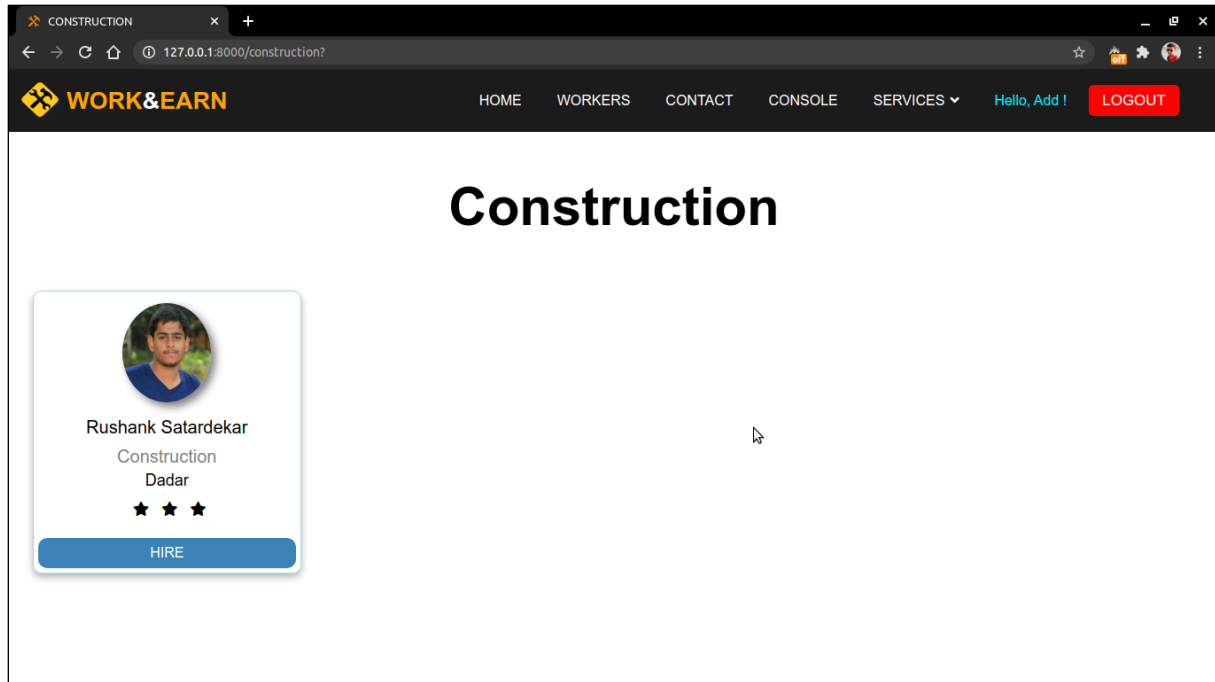
14

- Worker Category





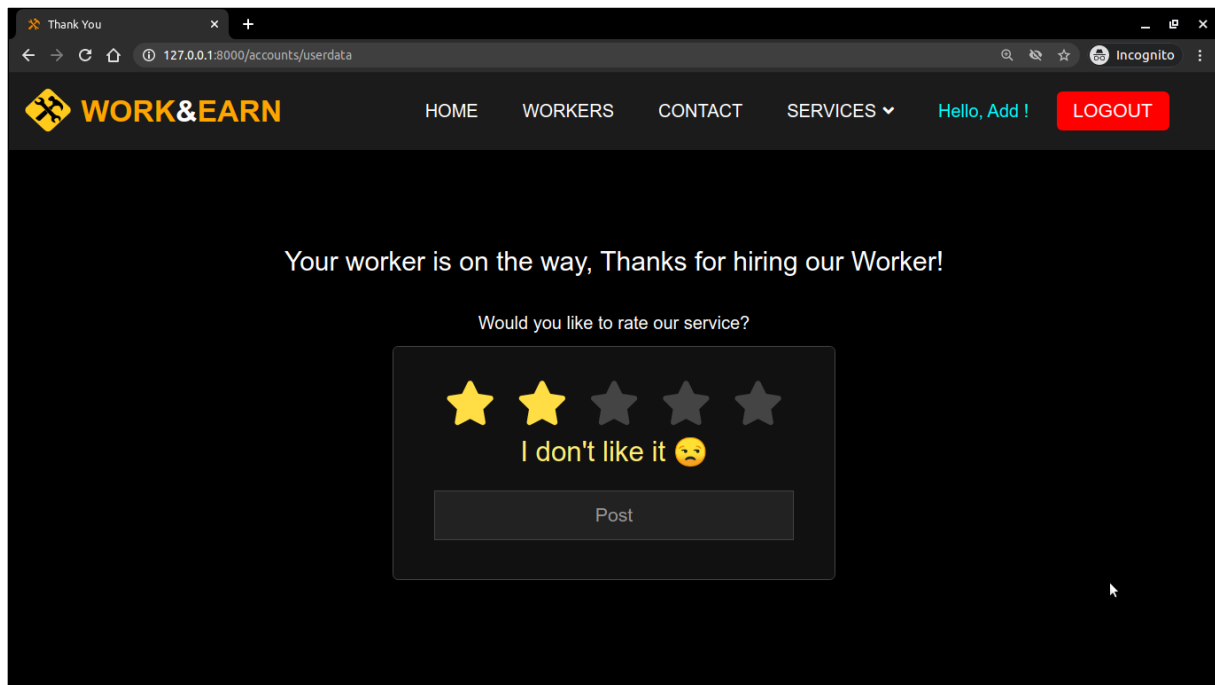
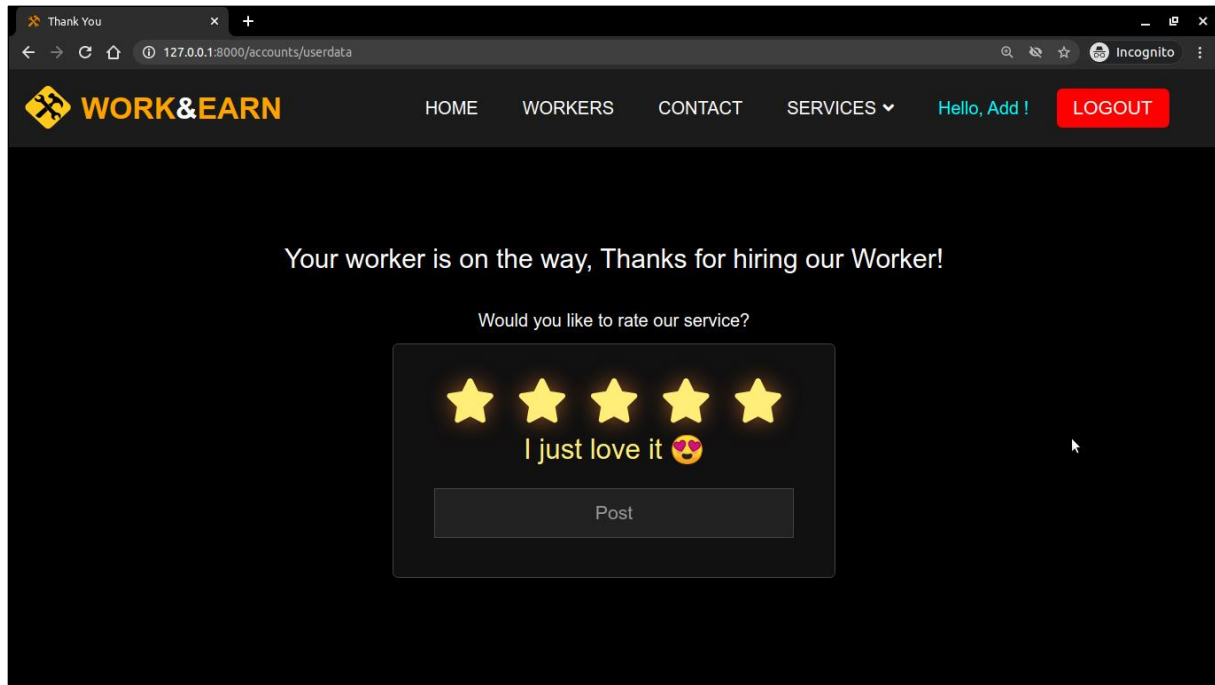




- Worker Order Form

The screenshot shows the 'Worker Order Form' page. The header is identical to the previous page. The main content area contains a form with the following fields: First Name \*, Last Name \*, Address \*, City \*, State \*, Pincode \*, Contact No \*, and Email Address \*. The Email Address field is pre-filled with 'aadarshrjae41@gmail.com'. Below the form, an 'Important:' note states: 'Worker might take some time to reach at your home depending on location. Estimated Time: 1 - 2 hours'. To the right of the form, a 'Your order' summary box displays the worker's profile picture, name (Rushank Satardekar), category (Construction), and city (Dadar). Below this summary, the 'Cash on Delivery' option is selected, and a blue 'Place Order' button is visible.

- Star Rating



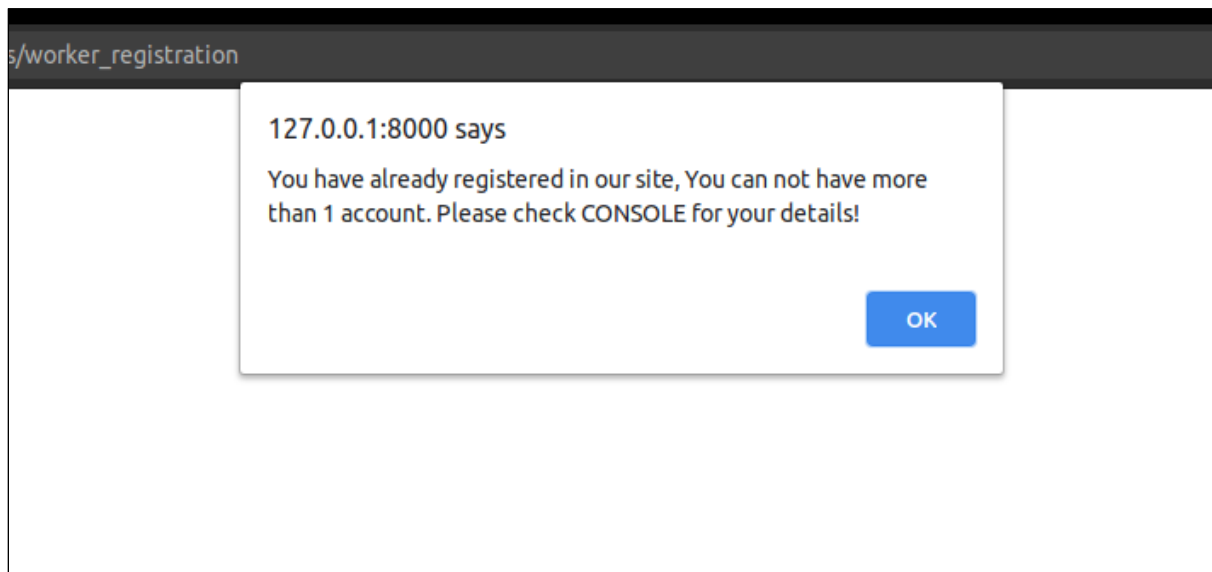
## ➤ Workers side

- Worker Registration Form and Validation

The screenshot shows a web browser window with the URL `127.0.0.1:8000/accounts/worker_registration`. The page features a dark navigation bar with the **WORK&EARN** logo and links for HOME, WORKERS, CONTACT, CONSOLE, SERVICES, and a user greeting "Hello, Aaron!" with a LOGOUT button. The main content area displays the "Worker Registration Form" with the following fields:

- First Name: Aaron
- Last Name: Domingo
- Email: aaron.domingo.121@gmail.com
- Phone: 9876543212
- Address: Ram bldg
- City: Bandra
- Pincode: 400200
- Occupation: Plumber (selected from a dropdown)
- Profile Picture: Upload Image (Choose file: aaron.jpeg)
- Terms: ☒ I agree with terms and conditions
- Register button

Decorative illustrations include a man running with a briefcase and a group of construction workers. A sidebar on the right contains links for JOIN US and ABOUT.

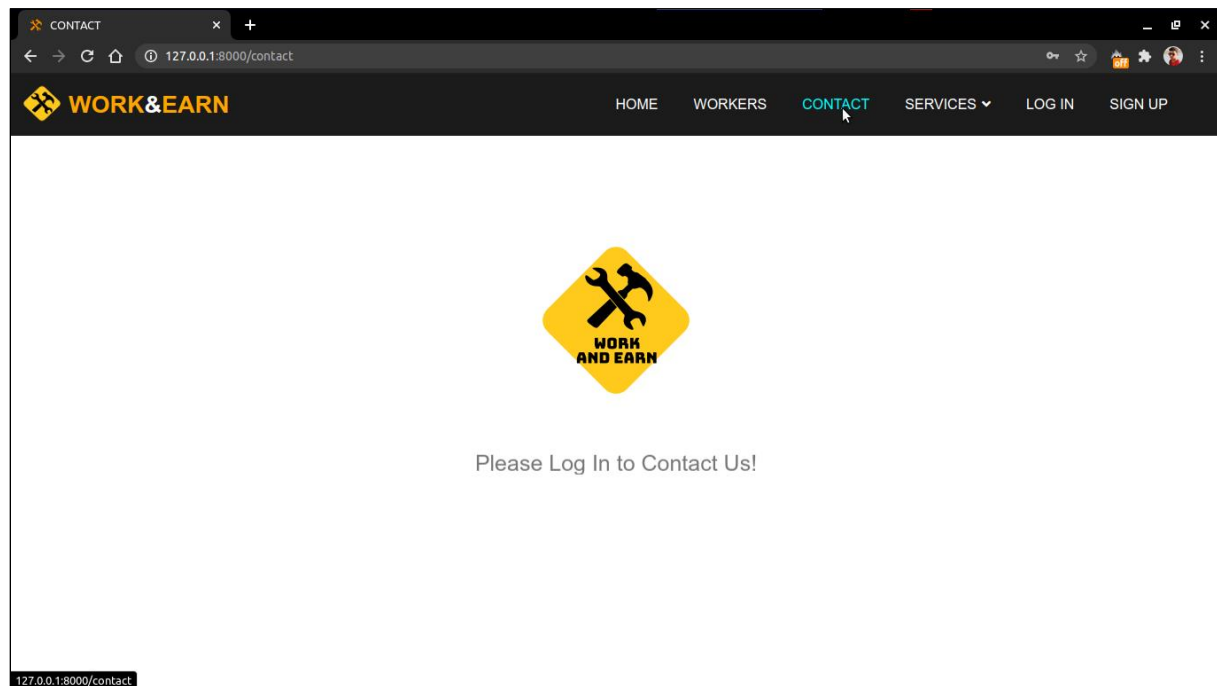


- Console

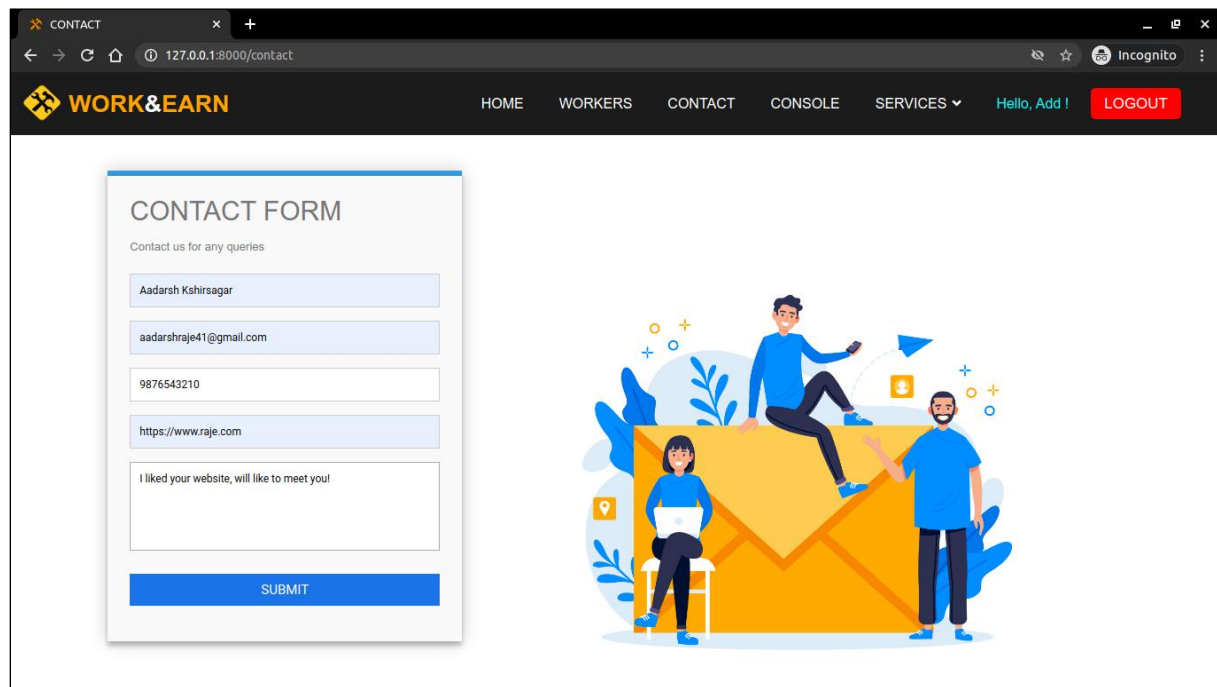
The screenshot shows a web browser window with the URL `127.0.0.1:8000/console`. The page has a dark header with the **WORK&EARN** logo and navigation links: HOME, WORKERS, CONTACT, CONSOLE, SERVICES, and a user profile section with 'Hello, Add !' and a red **LOGOUT** button. The main content area is titled **WORKER CONSOLE**. Below the title, there are two sections: 'Current Status' with a green **Available** button, and 'Update Status' with two buttons: a green **Available** button and a red **Unavailable** button. The bottom section is empty.

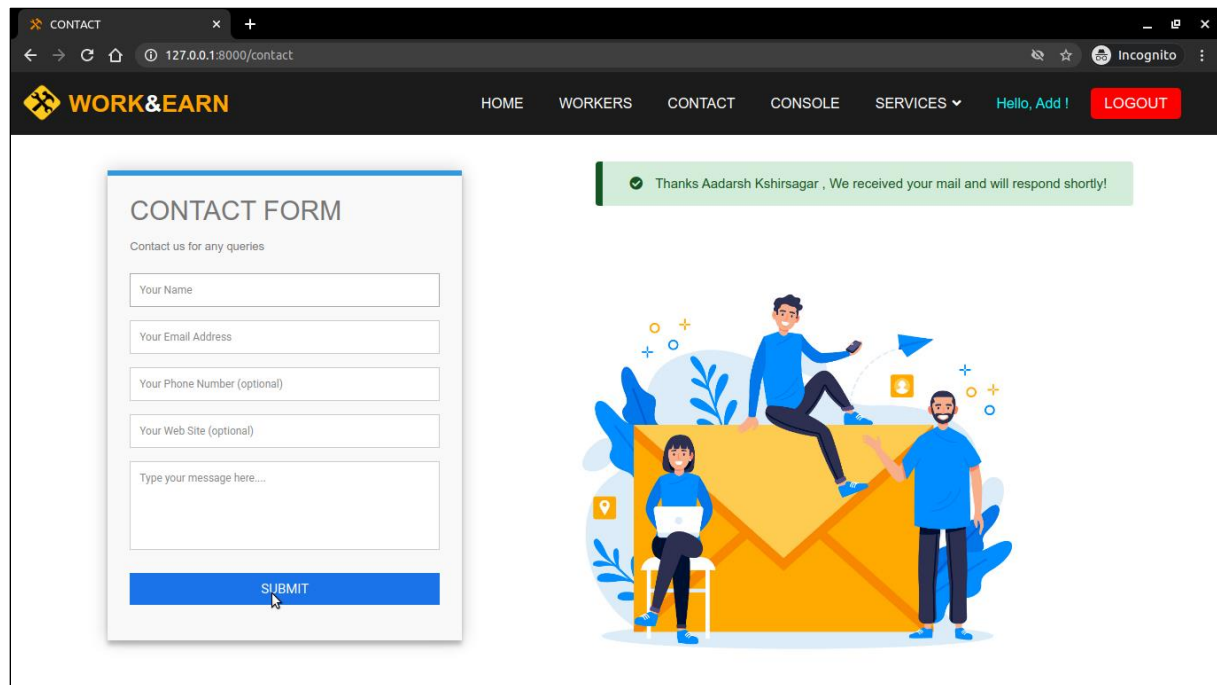
The screenshot shows the same web browser window, but the status has changed. The 'Current Status' section now shows a red **Unavailable** button. The 'Update Status' section still has the green **Available** and red **Unavailable** buttons. A message 'Please update your status as per your availabilty.' is displayed to the right of the buttons. The bottom section remains empty.

## ➤ Contact Page before Login

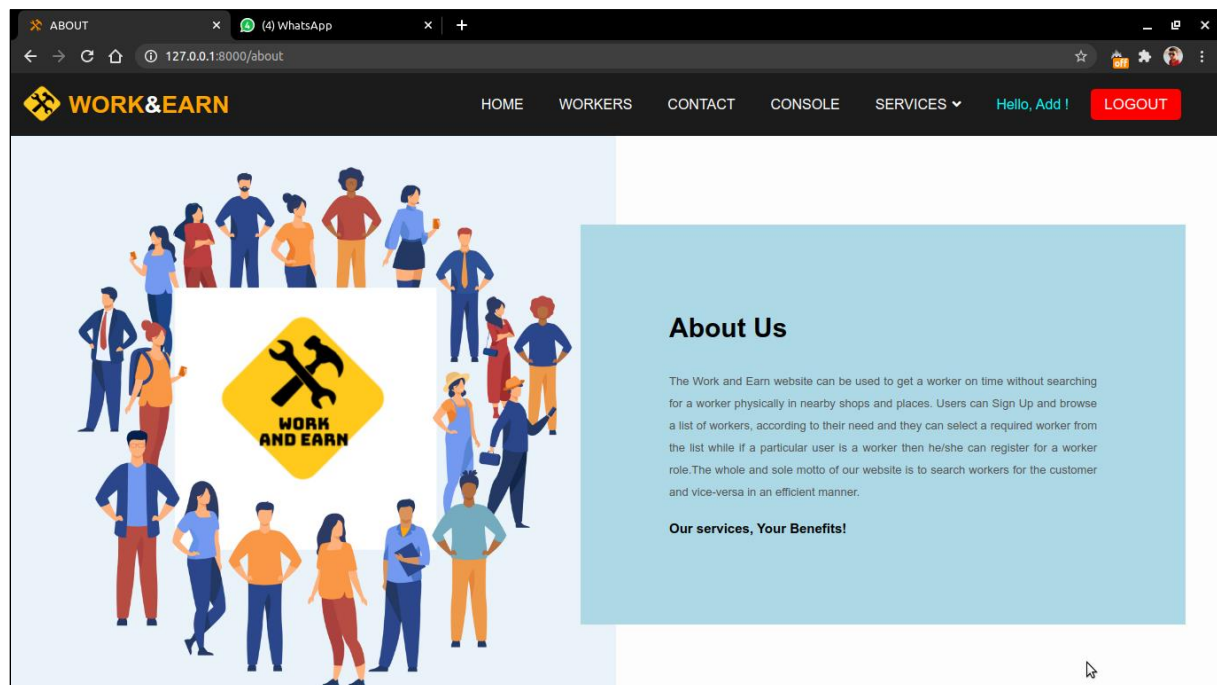


## ➤ Contact Page after Login

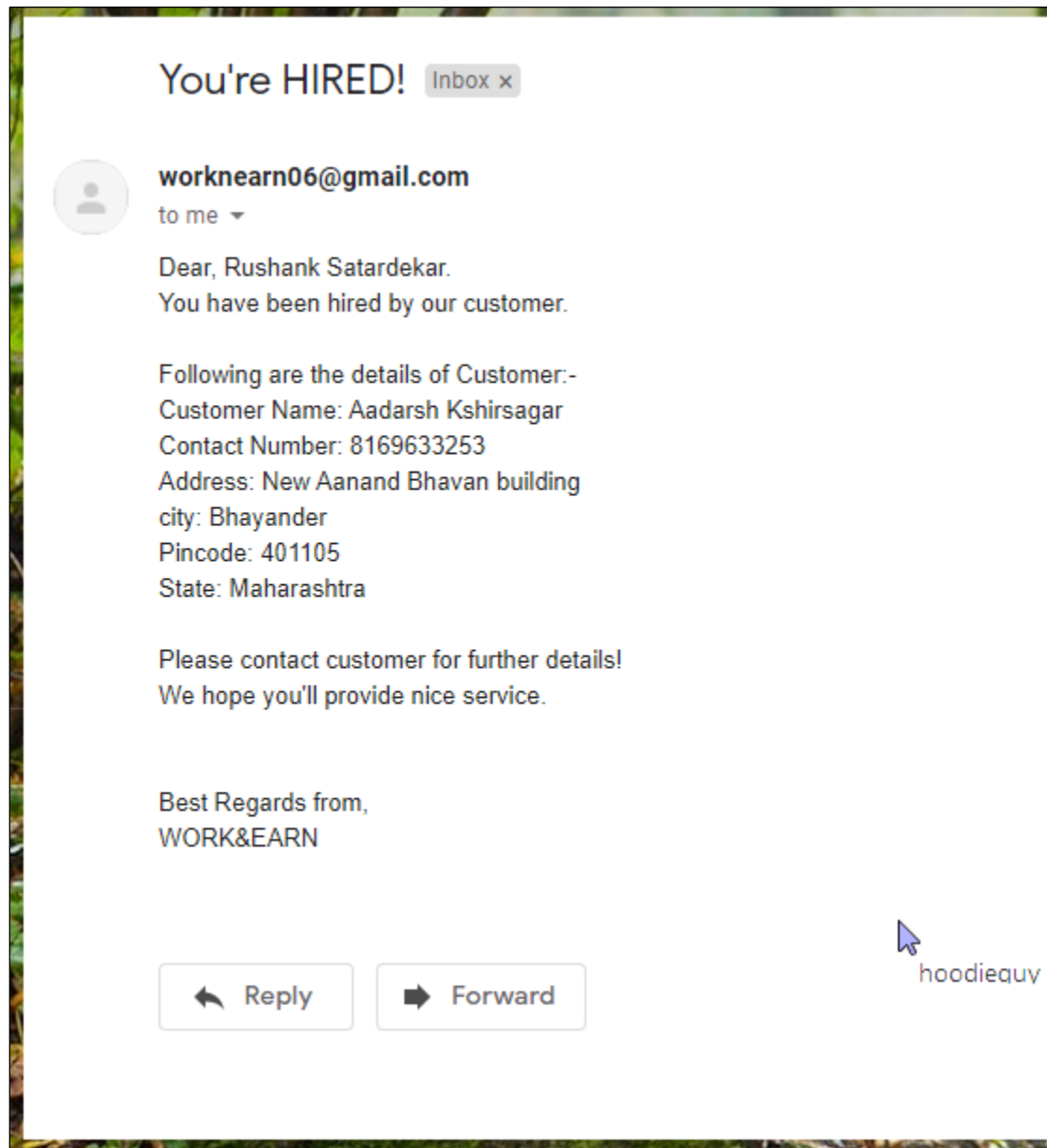




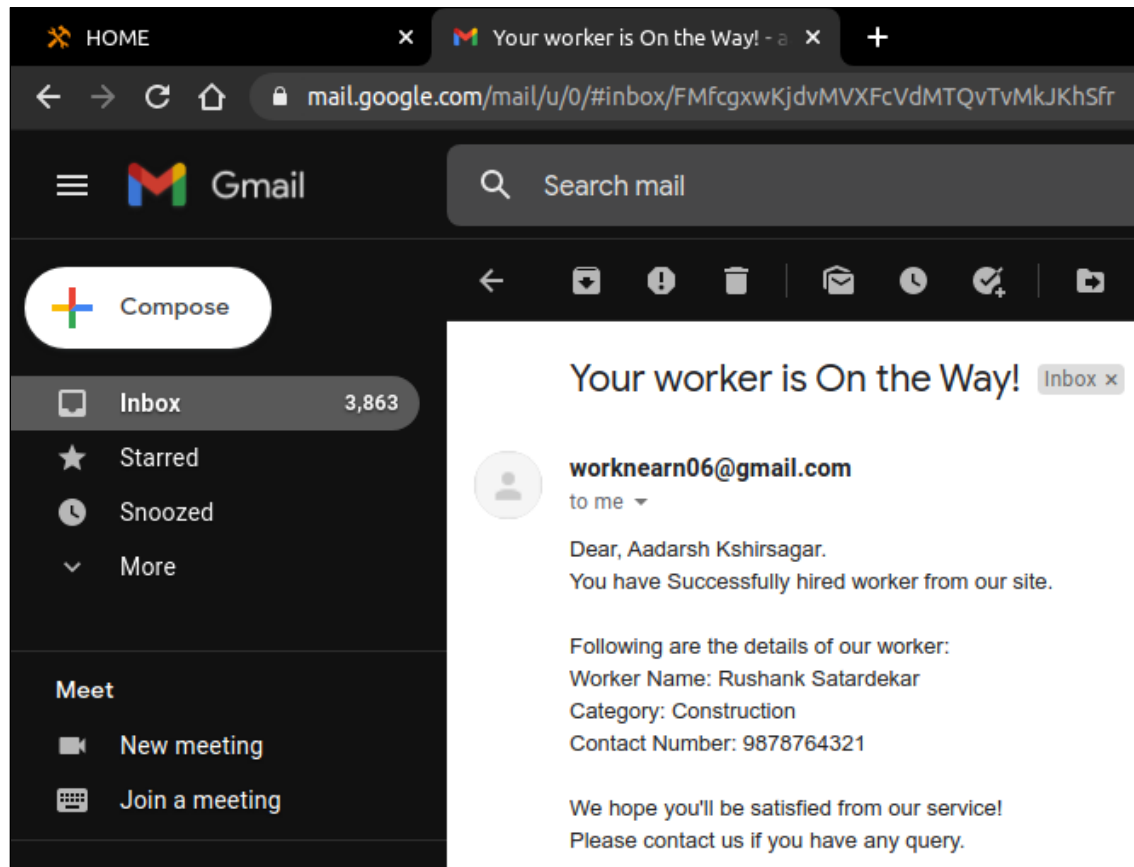
## ➤ About Page



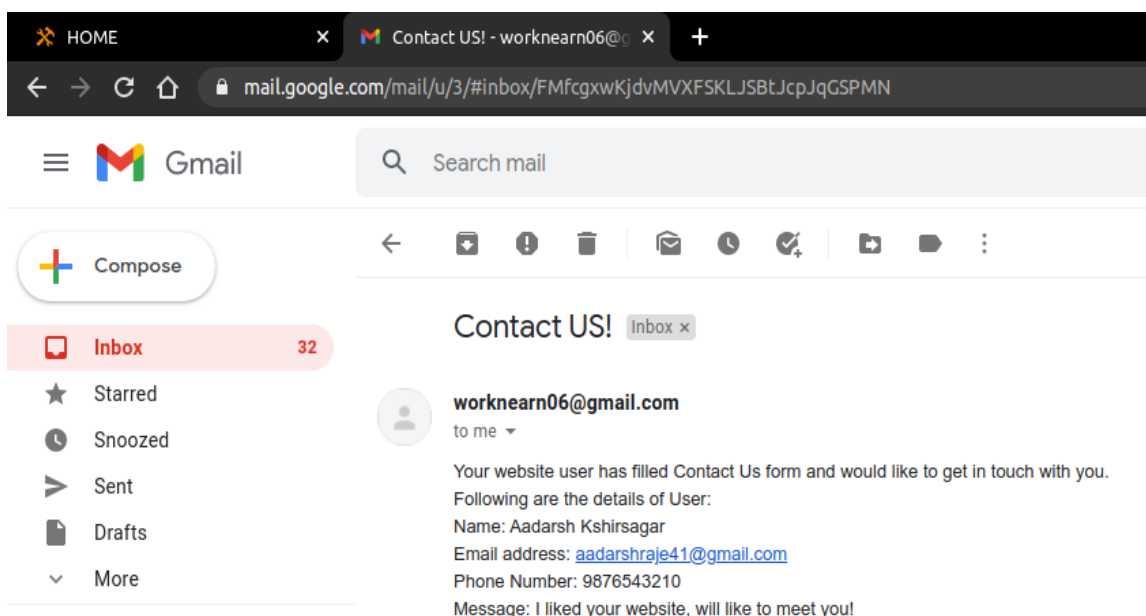
➤ Job Conformation Email



## ➤ Order Conformation Email
























## ➤ Contact Email



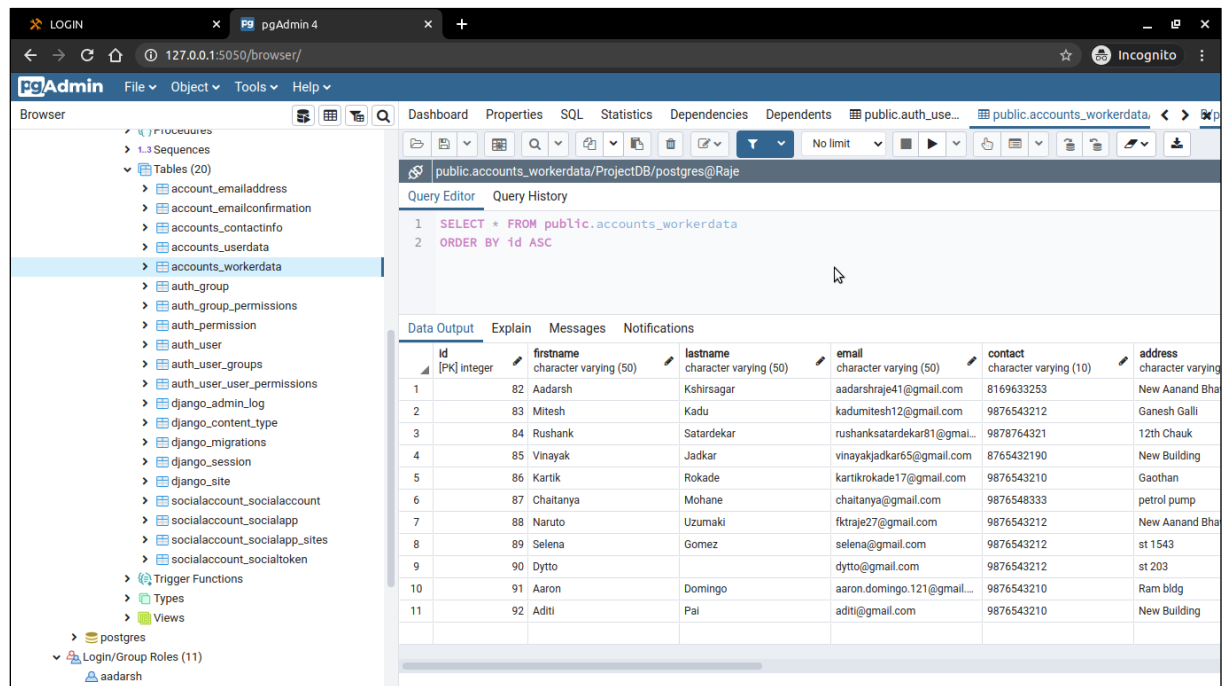


➤ Database: ProjectDB

- Tables

▼  Tables (20)
➤  account_emailaddress
➤  account_emailconfirmation
➤  accounts_contactinfo
➤  accounts_userdata
➤  accounts_workerdata
➤  auth_group
➤  auth_group_permissions
➤  auth_permission
➤  auth_user
➤  auth_user_groups
➤  auth_user_user_permissions
➤  django_admin_log
➤  django_content_type
➤  django_migrations
➤  django_session
➤  django_site
➤  socialaccount_socialaccount
➤  socialaccount_socialapp
➤  socialaccount_socialapp_sites
➤  socialaccount_socialtoken

## ■ account\_workerdata



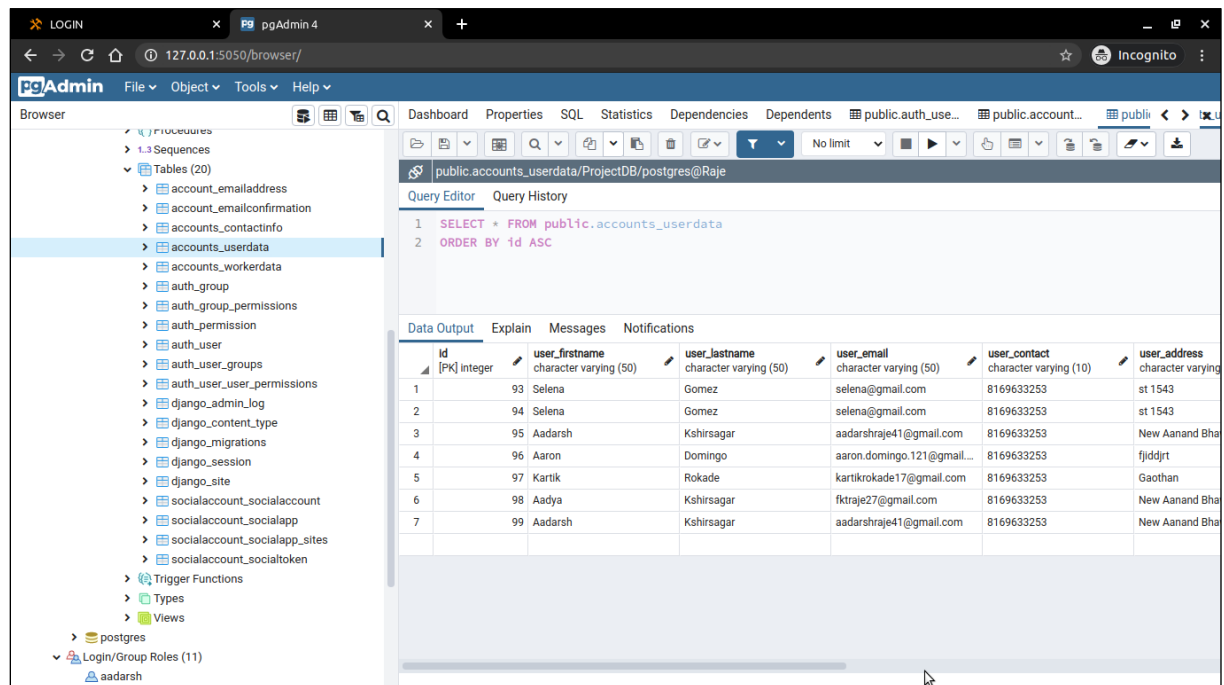
Query Editor Query History

```
1 SELECT * FROM public.accounts_workerdata
2 ORDER BY id ASC
```

Data Output Explain Messages Notifications

id	firstname	lastname	email	contact	address
1	82 Aadarsh	Kshirsagar	aadarshraje41@gmail.com	8169633253	New Aanand Bha
2	83 Mitesh	Kadu	kadumitesh12@gmail.com	9876543212	Ganeesh Galli
3	84 Rushank	Satardekar	rushanksatardekar81@gmail.com	9878764321	12th Chauk
4	85 Vinayak	Jadkar	vinayakjadkar65@gmail.com	8765432190	New Building
5	86 Kartik	Rokade	kartikrokade17@gmail.com	9876543210	Gaothan
6	87 Chaitanya	Mohane	chaitanya@gmail.com	9876548333	petrol pump
7	88 Naruto	Uzumaki	fktraje27@gmail.com	9876543212	New Aanand Bha
8	89 Selena	Gomez	selena@gmail.com	9876543212	st 1543
9	90 Dytto	Dytto	dytto@gmail.com	9876543212	st 203
10	91 Aaron	Domingo	aaron.domingo.121@gmail.com	9876543210	Ram bldg
11	92 Aditi	Pai	aditi@gmail.com	9876543210	New Building

## ■ account\_userdata



Query Editor Query History

```
1 SELECT * FROM public.accounts_userdata
2 ORDER BY id ASC
```

Data Output Explain Messages Notifications

id	user_firstname	user_lastname	user_email	user_contact	user_address
1	93 Selena	Gomez	selena@gmail.com	8169633253	st 1543
2	94 Selena	Gomez	selena@gmail.com	8169633253	st 1543
3	95 Aadarsh	Kshirsagar	aadarshraje41@gmail.com	8169633253	New Aanand Bha
4	96 Aaron	Domingo	aaron.domingo.121@gmail.com	8169633253	fjddjrt
5	97 Kartik	Rokade	kartikrokade17@gmail.com	8169633253	Gaothan
6	98 Aadya	Kshirsagar	fktraje27@gmail.com	8169633253	New Aanand Bha
7	99 Aadarsh	Kshirsagar	aadarshraje41@gmail.com	8169633253	New Aanand Bha

## ■ account\_contactinfo

The screenshot shows the pgAdmin 4 interface with the 'account\_contactinfo' table selected in the left sidebar. The table is located in the 'public' schema. The 'Query Editor' shows a query: `SELECT * FROM public.accounts_contactinfo ORDER BY id ASC`. The 'Data Output' tab displays the following data:

id	Name	Email	PhoneNumber	Website	TextMessage
1	Aadarsh Kshirsagar	aadarshraje41@gmail.com	8169633253		I would like to get
2	test	test@gmail.com			thanks
3	Selena Gomez	selena@gmail.com	9876543210		giuhigigg
4	Aadya Kshirsagar	qrt@gmail.com			jkdfhdgfdghghf
5	Aadarsh Kshirsagar	aadarshraje41@gmail.com	9876543210	https://www.raje.com	I liked your websi

## ■ auth\_user

The screenshot shows the pgAdmin 4 interface with the 'auth\_user' table selected in the left sidebar. The table is located in the 'public' schema. The 'Query Editor' shows a query: `SELECT * FROM public.auth_user ORDER BY id ASC`. The 'Data Output' tab displays the following data:

id	password	last_login	is_superuser	username	first_name
1	pbkdf2_sha256\$216000\$inH...	2020-11-26 23:03:33.437201+05...	false	add	
2	pbkdf2_sha256\$216000\$Qy...	2020-11-07 19:06:54.035949+05...	false	mitesh	
3	pbkdf2_sha256\$216000\$Gen...	2020-11-07 19:09:26.193095+05...	false	rushank	
4	pbkdf2_sha256\$216000\$2vq...	2020-11-07 19:13:05.433896+05...	false	vinayak	
5	pbkdf2_sha256\$216000\$2v3...	2020-11-08 23:49:58.045635+05...	false	kartik	
6	pbkdf2_sha256\$216000\$1sjV...	2020-11-07 19:17:28.855244+05...	false	chaitanya	
7	IQQTdudBNiWv3bNC87NMW...	2020-11-09 15:58:59.137457+05...	false	raje	Raje
8	pbkdf2_sha256\$216000\$SoyC...	2020-11-07 19:24:39.035189+05...	false	selena	
9	pbkdf2_sha256\$216000\$90K...	2020-11-07 19:31:22.408905+05...	false	dytto	
10	pbkdf2_sha256\$216000\$9qk...	2020-11-26 20:28:40.527848+05...	false	aaron	
11	pbkdf2_sha256\$216000\$G72...	2020-11-24 22:36:10.564906+05...	true	hoodieguy	
12	pbkdf2_sha256\$216000\$BTM...	2020-11-26 20:34:58.900133+05...	false	aditi	

## CONCLUSION

To conclude, on the completion of this project the workers as well as the customers will be able to find and hire jobs easily.

## REFERENCES

1. <https://stackoverflow.com/>
2. <https://www.djangoproject.com/>
3. <https://youtube.com/>
4. <https://www.w3schools.com/>
5. <https://www.geeksforgeeks.org/>