

/Company + Admin side pages
User manual

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Project Description

The goal of this initiative is to establish and expand EngineRay, a job-search and recruitment website that caters to various companies and engineers who are seeking employment. By signing up on EngineRay, engineers can create their own profiles, which will be enriched by the platform's vetting data. Meanwhile, companies can search and evaluate candidates' profiles based on specific criteria. As an administrator, the client, EngineRay, will have complete access to this data. This report concentrates on evaluating the project requirements to find the best solution to fulfill the client's expectations.

In this User Manual, it will refer to company and admin console two different sections, for each sections has enough most requirements from the Engineray company.

/Company Side

1. Findengineer:

Genral Description:

Findengineer page is for company users can search some specific engineer based on different conditions, which includes:

1. Occupation (Single Selection) - Select the engineer based on the vocation, like software engineer, front-end developer, ICT manager.
2. Skills (Multiple Selections) - Select the engineer based on skills they handled, like Java, HTML, Angular, AWS.
3. Year of Experience (Digital Input) - Select the engineer based on their working experience year, like 2 years, 7 years, 1 years.
4. Preferred Annual Salary (Digital Input) - Select the engineer based on their expect salary for the job, like 70000, 60000, 80000 (per year).
5. Start Date(Date selection) - Select the engineer based on their start date at work from a date form option, like (20/04/2023).

(Figure 1. Find engineer website page)

User manual for Find Engineer page:

1.1 Firstly, engineer should upload their profile to the engineraydb database, they should open the my profile page, and input their personality information, and click the update button.

(Figure 2. My Personal Profile page from engineer side)

1.2 Engineers data was successfully update to the engineray database, and it will display at the website page:

ge

ability

My Personal Profile

View my personal profile here. Click "Update My Profile" if there is something you would like to change.

First Name:	Test Cody
Last Name:	Test Ccody
Personality Type:	
Email Address:	testcody@gmail.com
Country:	China
Occupation:	ICT Project Manager

(Figure 3. Upload engineer info to the database)

1.3 Company users should click the find engineer navigation, and to do the search engineer function:

EngineRay

Username

FIND ENGINEERS

My Candidates

Hired Engineers

Contact Us

Search/Sort

Please select your occupation

My Skills

Year of Experience

Preferred Annual Salary(\$USD)

Chenyuan Zhai

Architect

Job Experience: 6 Years

Availability:

Skills: C/C++

Annual Salary: 70000

sunye Zhai

Computer Operator

Job Experience: 5 Years

Availability:

Skills: AWS

Annual Salary: 80000

Chenyuan Zhai

Architect

Job Experience: 7 Years

Availability:

Skills: C/C++

Annual Salary: 70000

Sunye Pull

Architect

Job Experience: 10 Years

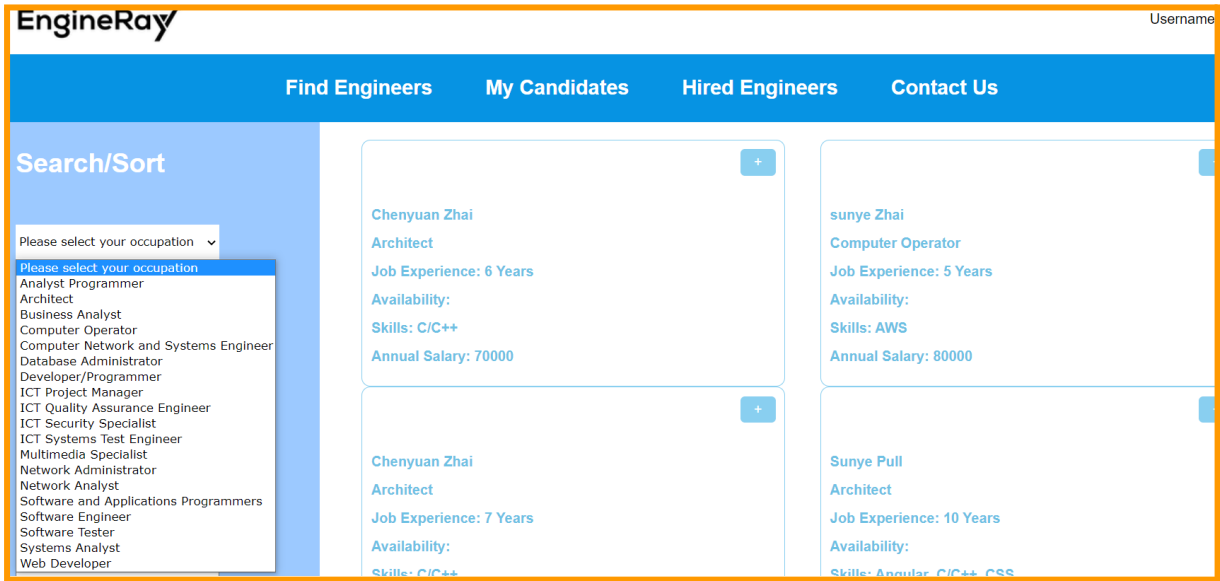
Availability:

Skills: Angular ,C/C++ ,CSS

Annual Salary: 70000

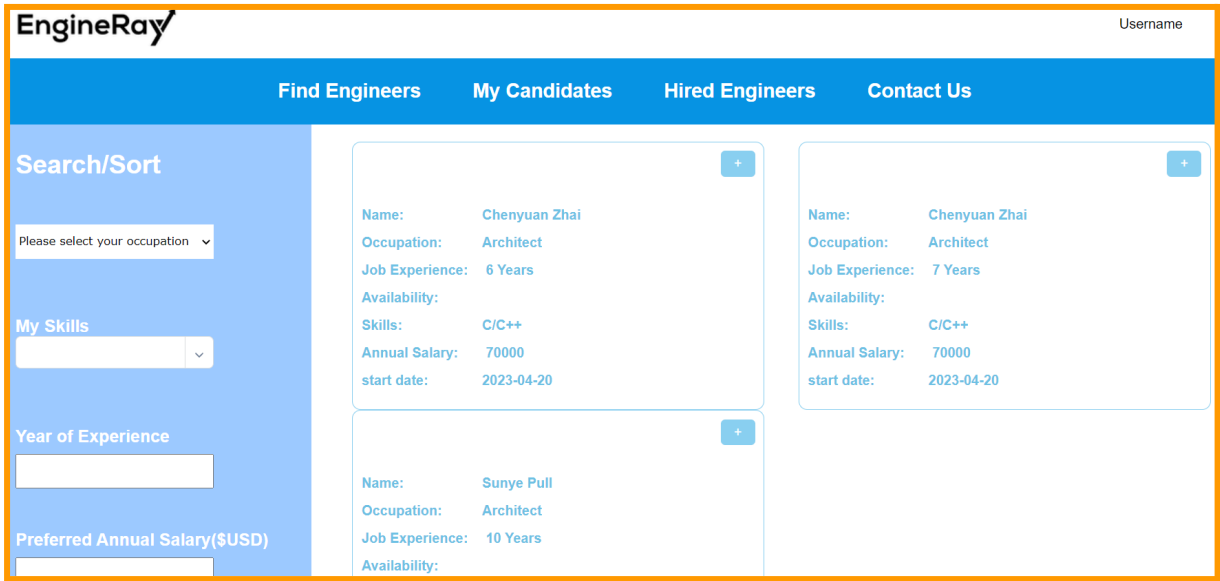
(Figure 4. Find engineer Navigation to the whole page)

1.4 Search the **occupation** based on the Occupation drop list:



(Figure 5. Search of the occupation)

1.5 For example, search the 'Architect' occupation from the search function, it will display all architect engineer information at the right side:



(Figure 6. Search the 'Architect Occupation')

1.6 Search ‘My Skills’ from drop list, to be specific, ‘My Skills’ is the multiple selections, company users can select more than one skills at this area:

Search/Sort

Please select your occupation

My Skills

Search...

Android

Angular

AWS

C#

C/C++

(\$USD)

Name:Chenyuan Zhai

Occupation:Architect

Job Experience:6 Years

Availability:

Skills:C/C++

Annual Salary:70000

start date:2023-04-20

Name:Chenyuan Zhai

Occupation:Architect

Job Experience:7 Years

Availability:

Skills:C/C++

Annual Salary:70000

start date:2023-04-20

Name:Sunye Pull

Occupation:Architect

Job Experience:10 Years

Availability:

Skills:Angular ,C/C++ ,CSS

Annual Salary:70000

(Figure 7. Search of the ‘My skills’ option)

1.7 For example, for the single select, the company users can select ‘c/c++’ to search the engineer who caught the ‘c/c++’ skill.

EngineerKey

Username

Find EngineersMy CandidatesHired EngineersContact Us

Search/Sort

Please select your occupation

My Skills

Year of Experience

Preferred Annual Salary(\$USD)

Name:Chenyuan Zhai

Occupation:Architect

Job Experience:6 Years

Availability:

Skills:C/C++

Annual Salary:70000

start date:2023-04-20

Name:Chenyuan Zhai

Occupation:Architect

Job Experience:7 Years

Availability:

Skills:C/C++

Annual Salary:70000

start date:2023-04-20

Name:Sunye Pull

Occupation:Architect

Job Experience:10 Years

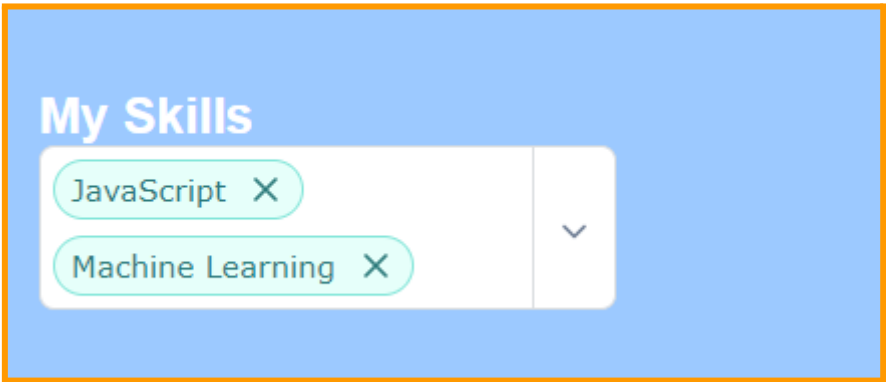
Availability:

Skills:Angular ,C/C++ ,CSS

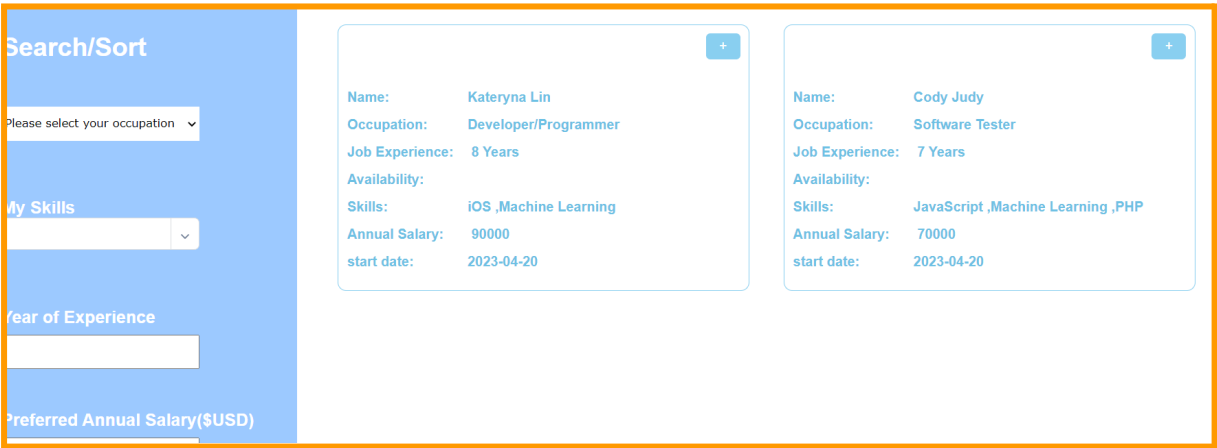
Annual Salary:70000

(Figure 8. ‘C/C++’ engineer search result)

1.8 For example, for the Multiple filter, the company users select ‘Javascript’ and ‘machine-learning’ to do the filter, and the result will show at the right side:



(Figure 9. Multiple filter test)



(Figure 10. ‘Javascript’ and ‘Machine-learning’ engineer results)

1.9 Search the **Year of experience** option, if the user select 5 years, it will show more than 5 years result:



(Figure 10. Display the 5 year experience more than 5 result)

1.2.0 Search the **preferred Annual Salary** option, if the user select the 60000, it will display more than 60000 result:

The screenshot shows the EngineRay search interface. On the left, the 'Search/Sort' sidebar includes a dropdown for 'Please select your occupation', a 'My Skills' dropdown, a 'Year of Experience' input field, and a 'Preferred Annual Salary(\$USD)' input field with the value '60000'. The main area displays a grid of engineer profiles. Each profile includes fields for Name, Occupation, Job Experience, Availability, Skills, Annual Salary, and start date. The profiles shown are for Chenyuan Zhai (Architect, 6 Years, 70000, 2023-04-20), sunye Zhai (Computer Operator, 5 Years, 80000, 2023-04-20), Chenyuan Zhai (Architect, 7 Years, 70000), and Sunye Pull (Architect, 10 Years, 70000, Angular, C/C++, CSS).

(Figure 10. Display the 60000 preferred annual salary more than 60000 result)

1.2.1 Search the **Start Date** option, it will display the specific date of that the engineer started:

This screenshot is similar to the previous one but includes a date picker for the 'start date' field. The date picker is open, showing the month of April 2023. The date '20' is selected, which corresponds to '2023-04-20' in the search results. The search results grid shows the same four engineer profiles as before.

(Figure 11. Display the engineer start date result is 2023-04-20)

1.2.2 Search the more than one options from the left search panel will display the engineer who enough all conditions at the same time. For example, user will search the occupation is the 'Architect', the skills is the 'C/C++' and 'Java', start date is the 2023-04-20:

Search/Sort	Find Engineers	My Candidates	Hired Engineers	Contact Us
Search/Sort Occupation: Architect My Skills: C/C++ X Java X Year of Experience: <input type="text"/> Preferred Annual Salary(\$USD): <input type="text"/> Start Date: 2023/04/20	Name: Chenyuan Zhai Occupation: Architect Job Experience: 6 Years Availability: Skills: C/C++ Annual Salary: 70000 start date: 2023-04-20	Name: Chenyuan Zhai Occupation: Architect Job Experience: 7 Years Availability: Skills: C/C++ Annual Salary: 70000 start date: 2023-04-20		
	Name: Sunye Pull Occupation: Architect Job Experience: 10 Years Availability: Skills: Angular ,C/C++ ,CSS Annual Salary: 70000 start date: 2023-04-20			

(Figure 12. Display the result that search the occupation, skills and start date at the same time)

2. Company User profile page

Company side users can view their profile from the user profile page, and update their personal information, which includes:


1. Account - Account panel can let users change their basic information: the company name, Manager name, Company Email address, Contact Number, Location, and Website, and company introduction respectively.
2. Password - Company user can use the password panel to update password, the old password input, new password input and confirm password input are supported.
3. Security - Company user can set second - validation function from the security panel.
4. Application - Application page is leave for the future mobile software using
5. Notification - Notification page can let company side users to receive advertising and news from the engineeray, or other engineers.

EngineRay

Username

Find EngineersMy CandidatesHired EngineersContact Us

User Profile



EngineRay

Account

Password

Security

Information

Company Name

Company Name

Manager

Cody

Email

enginearay@gmail.com

Contact Number

+61 0407072559

Location


Sydney

Website

enginearay.com

(Figure 13. User profile page)

User Profile



EngineRay

Account

Password

Security

Application

Notification

Password Settings

Old password

New password


Confirm new password

Update

Cancel

(Figure 14. Change password)

User Profile



Engineray

- Account
- Password
- Security**
- Application

Security Settings

Login

Two-factor auth


☐ Recovery

Update

Cancel

(Figure 15. Setting the two-factor auth page)

User Profile



Engineray

- Account
- Password
- Security
- Application
- Notification**

Notification Settings

☐ Notice Daily new engineers

☐ Notice news from engineray

☐ Notice me from the website

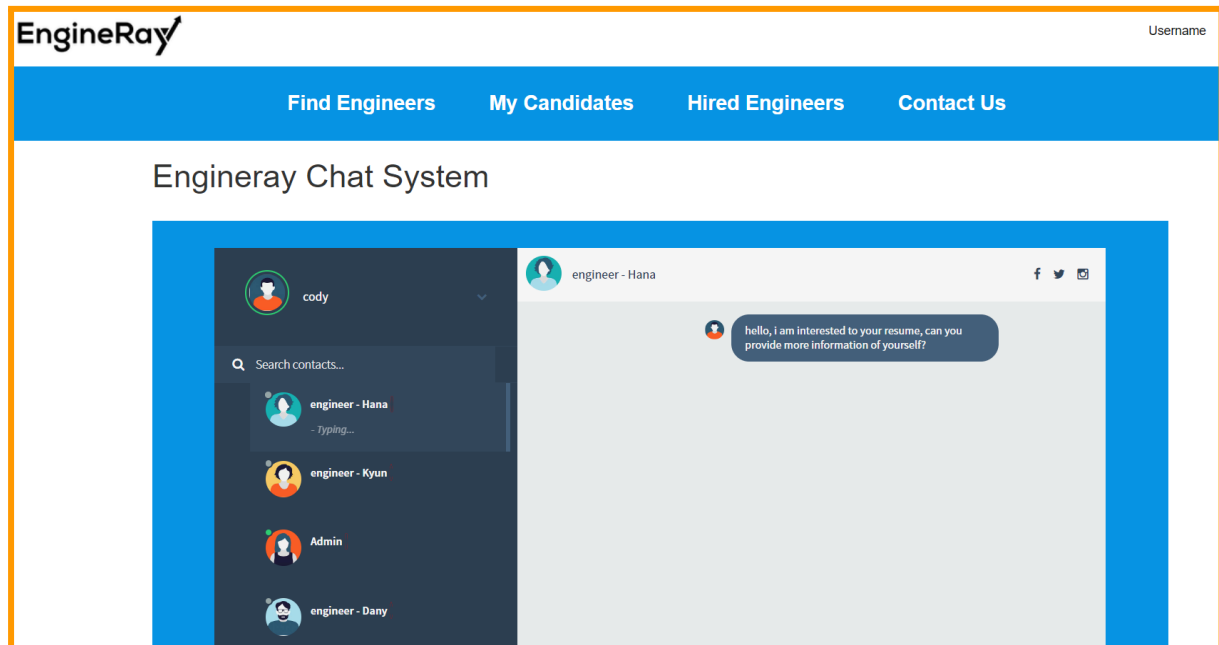
Update

Cancel

(Figure 16. Notification setting page)

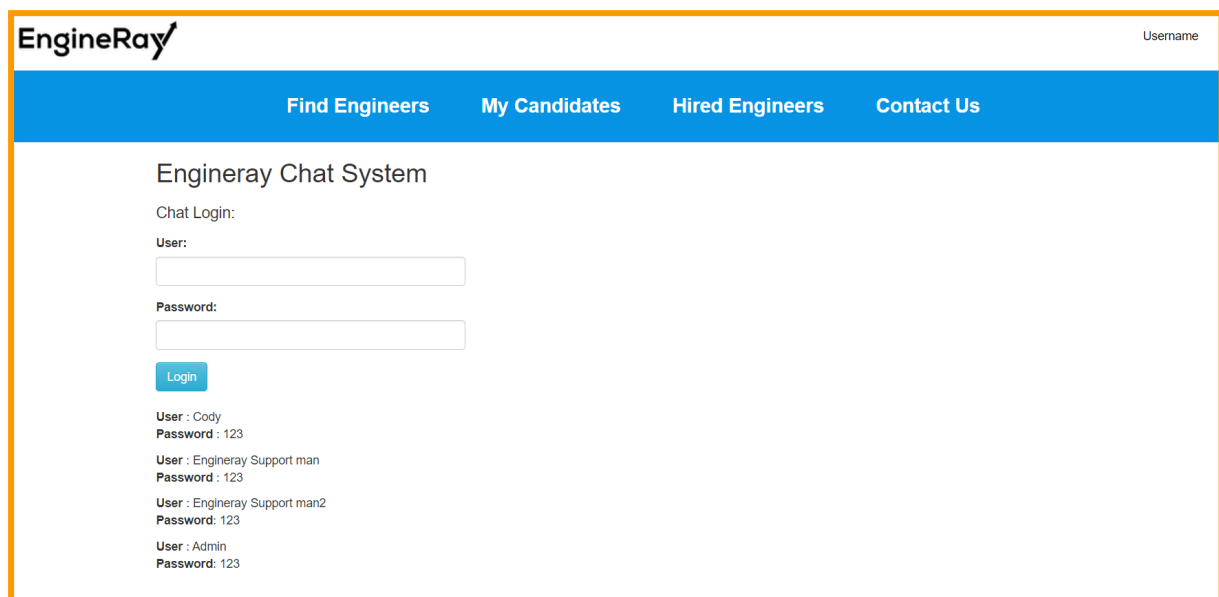
3. Communication with other engineer Live Chat System

The online live chat system will provide a platform for company side users to chat with engineers, and administrator from the engineray. All chat records will saved to the chat system database.



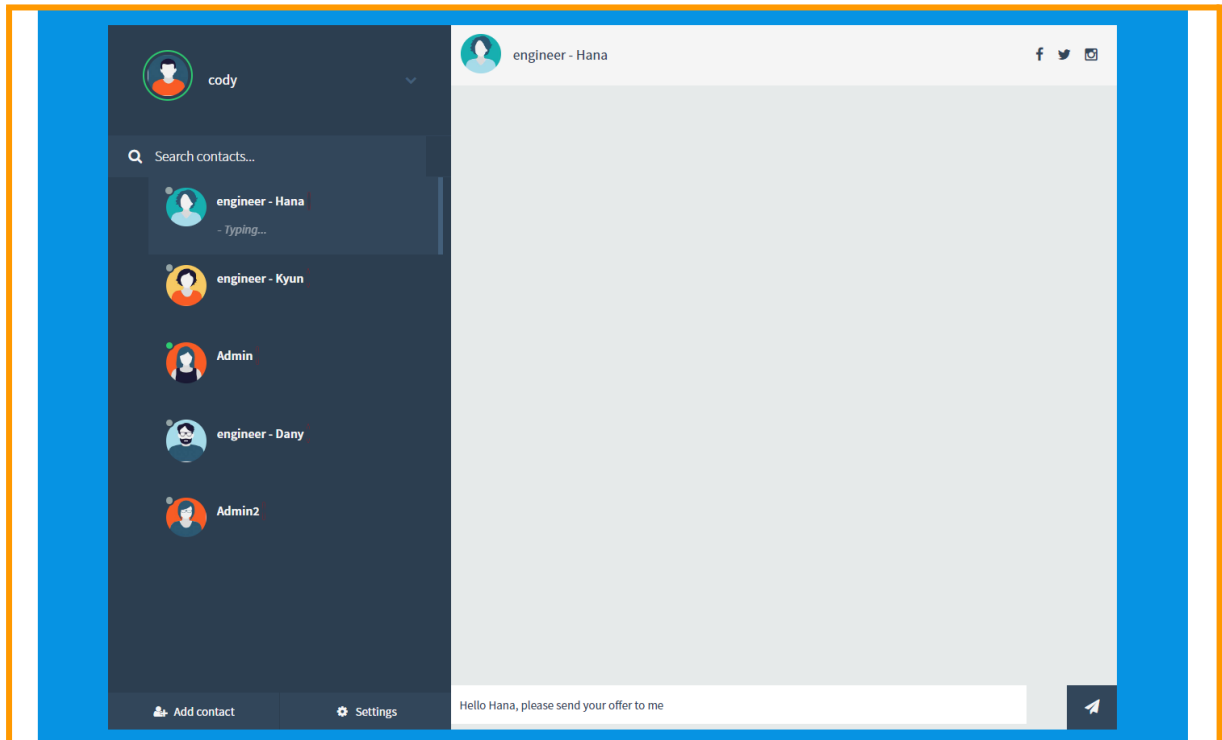
(Figure 17. Communication with other engineer live chat)

3.1 First of all, company users should login to the live chat, they can use their engineray account and password to login,



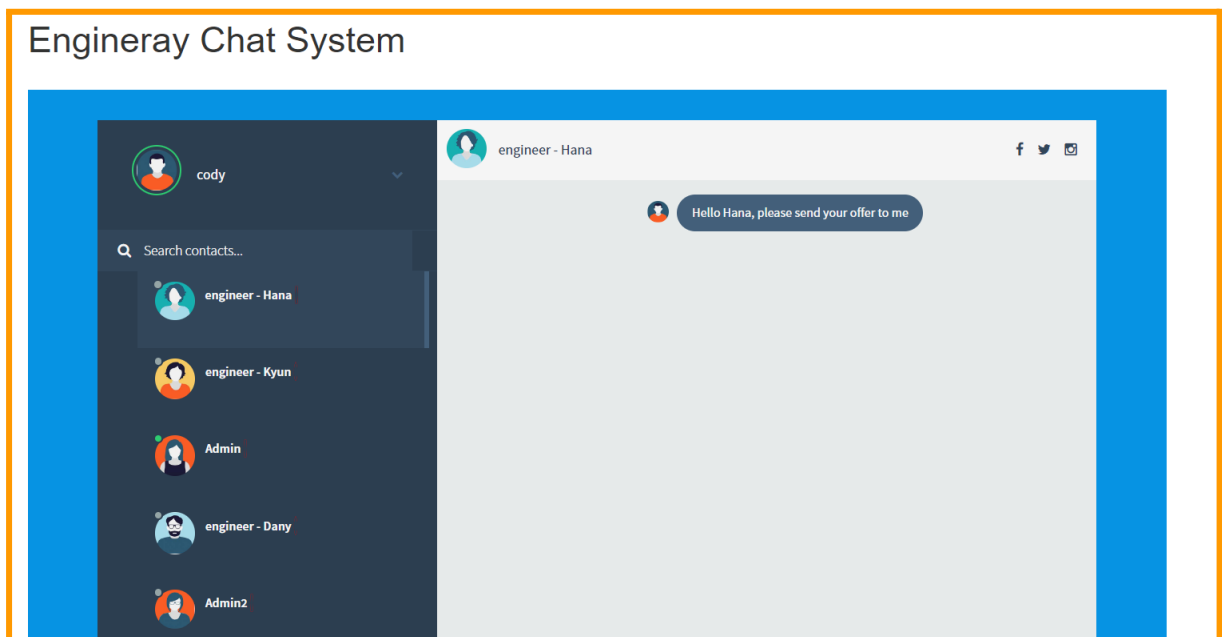
(Figure 18. Login page for engineray chat system)

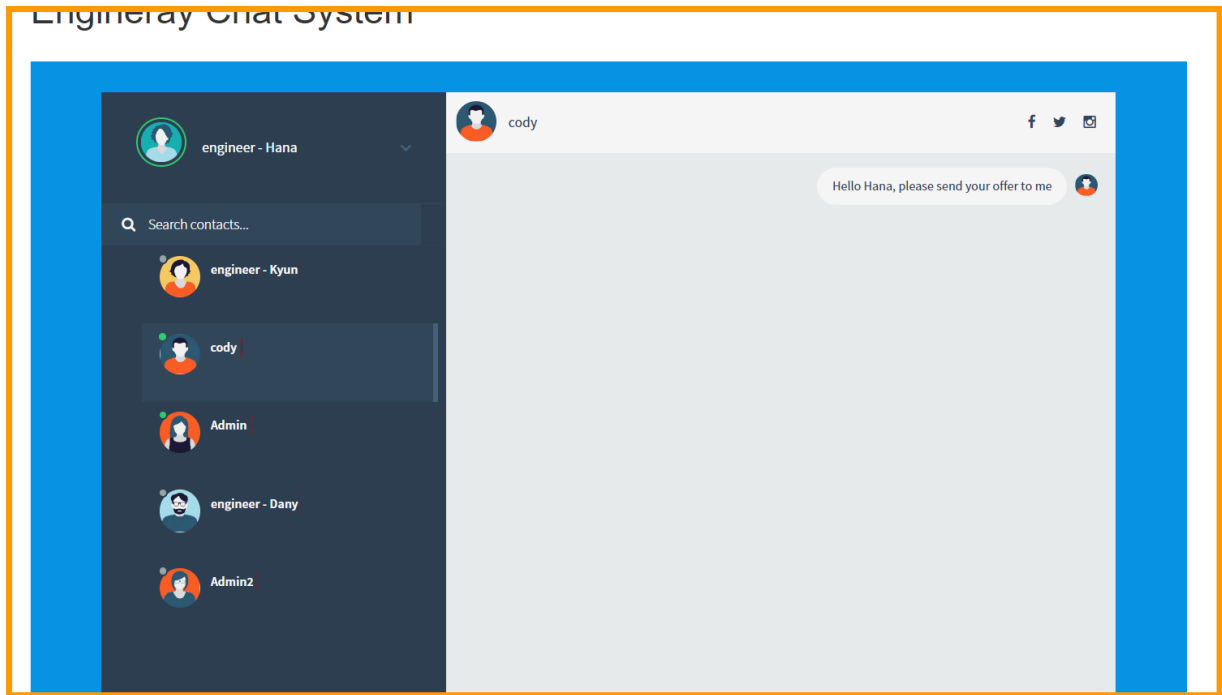
3.2 Login successfully, company side users can select the engineer user to chat with them like other message software,



(Figure 19. Input message to other engineer)

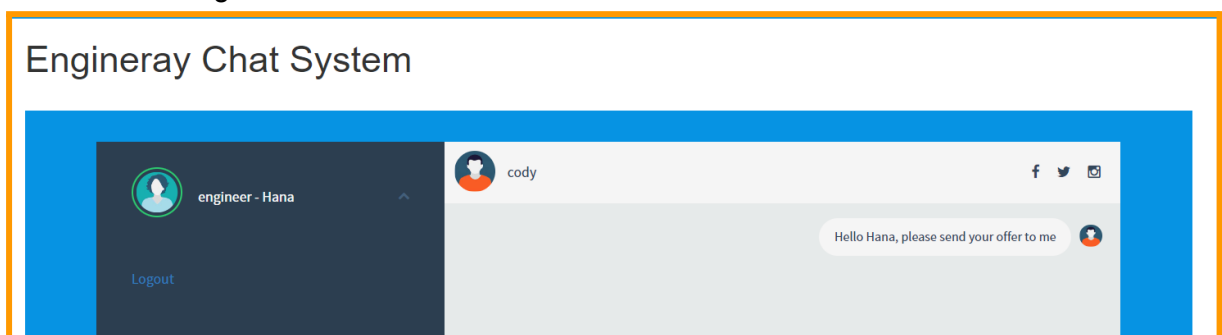
3.3 Engineer will receive the message from Company user:





(Figure 20. Message received from engineer side user)

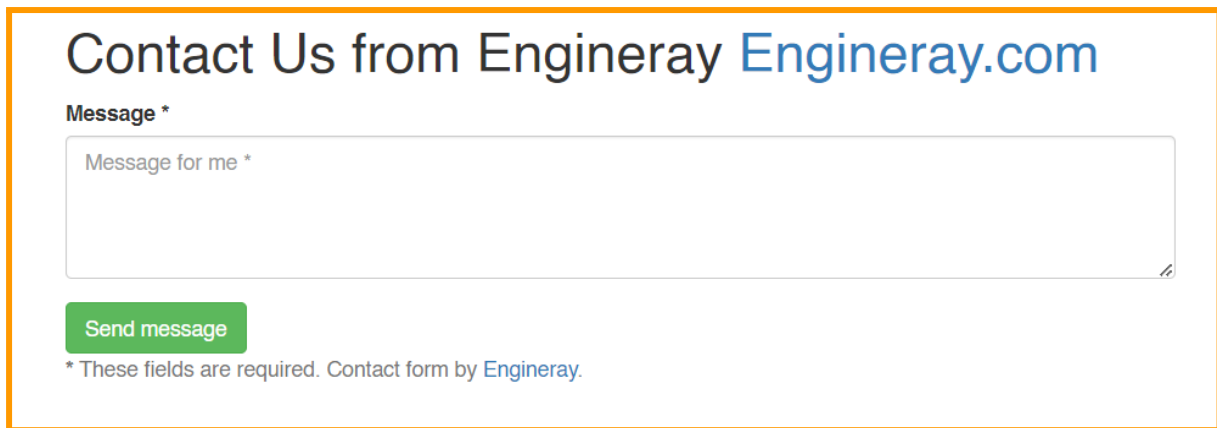
3.4 Users can log out from the button:



(Figure 21. Live chat system Log out)

4. Contact Us page

Contact Us page is for company and engineer side users to send their request and advices to the admin side, it only includes the message area for users to send their request:



Contact Us from Engineray Engineray.com

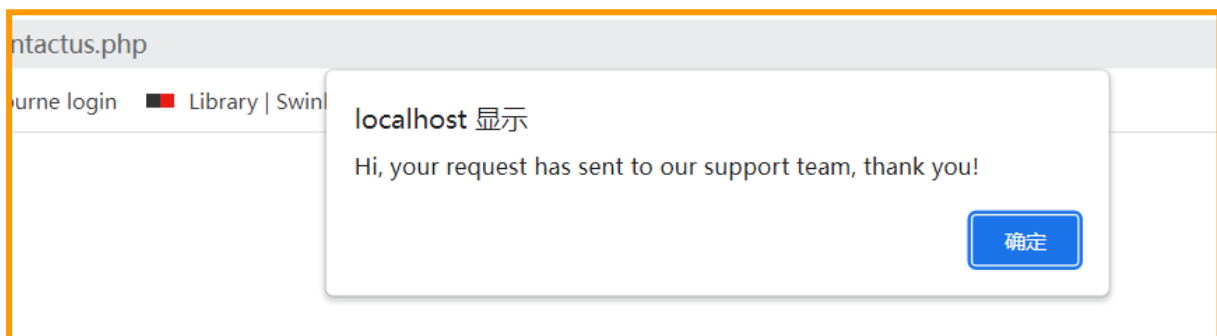
Message *

Message for me *

Send message

* These fields are required. Contact form by [Engineray](#).

(Figure 22. Contact Us page)



(Figure 23. Send the request at contact us page)

/Administration Side

Administration side will display all engineer side and company side users to a form list. It will show the company, engineer and blacklist three sections to display users that registered at engineray website. The Admin console pages only open to engineer administrators, it has the individually login and register page. It will includes:

- 1.1Admin Console Dashboard page - A simple dashboard will be a welcome page for all administrator.
2. Company page - Company side page will show all company side users from engineray, administrators have the authority to move company side users to the blacklist (Block Action), remove users outside if the user cancelled their account.
3. Engineer page - Engineer side page will display all engineer side users from engineray, administrators have the authority to move engineer side users to the blacklist (Block Action), and remove users outside if the user cancelled their account.
4. Blacklist Page - Blacklist side page will display all users from both company and engineer side users, administrators have the authority to remove users outside the blacklist, and then users will be retrieved into the company or engineer side based on their identity at engineray.

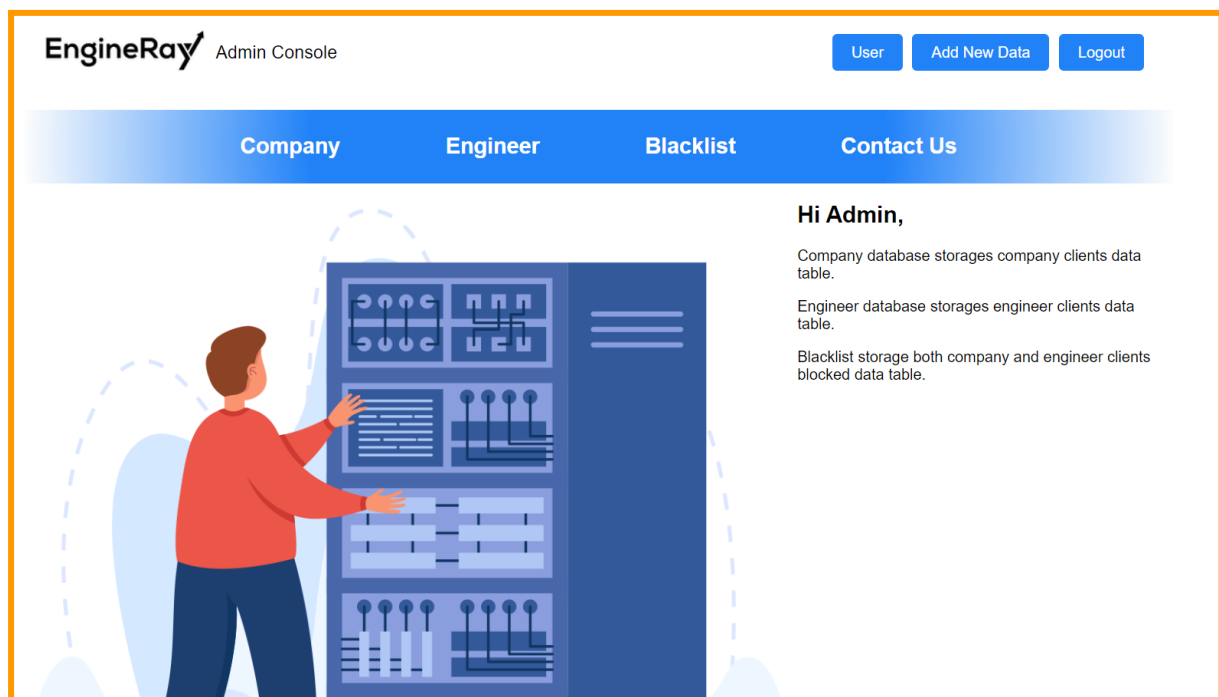
5. Company input, engineer input and blacklist input pages - these three pages is for administrator that can directly and manually add the specific user to the database.

5.1 Company input page should be entered company side users job title, budget, number of people required, start date, location and job experience these 6 conditions.

5.2 Engineer input page should be entered engineer side users first name, last name, skills, field, salary, status, and resume these 7 conditions.

5.3 Blacklist input page should be entered blacklist side users company ID and engineer ID

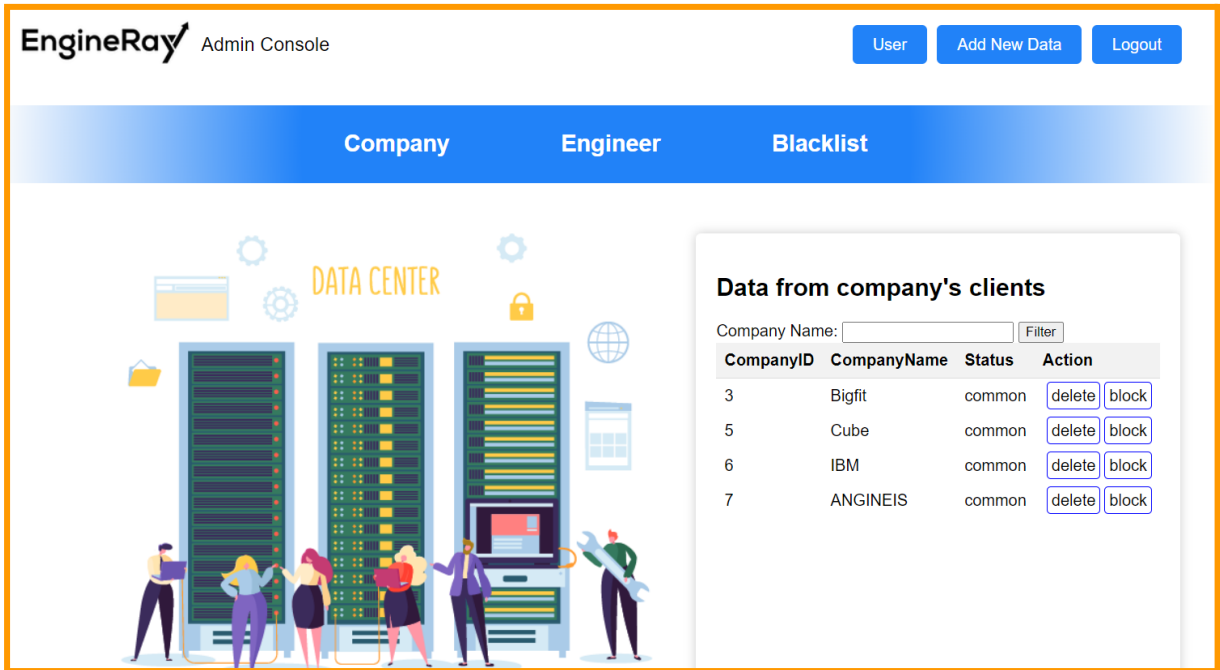
6. All company, engineer and blacklist side pages can filter users based on their job title, max budget, minimal budget, and location respectively.



(Figure 24. Engineray Admin console dashboard page)

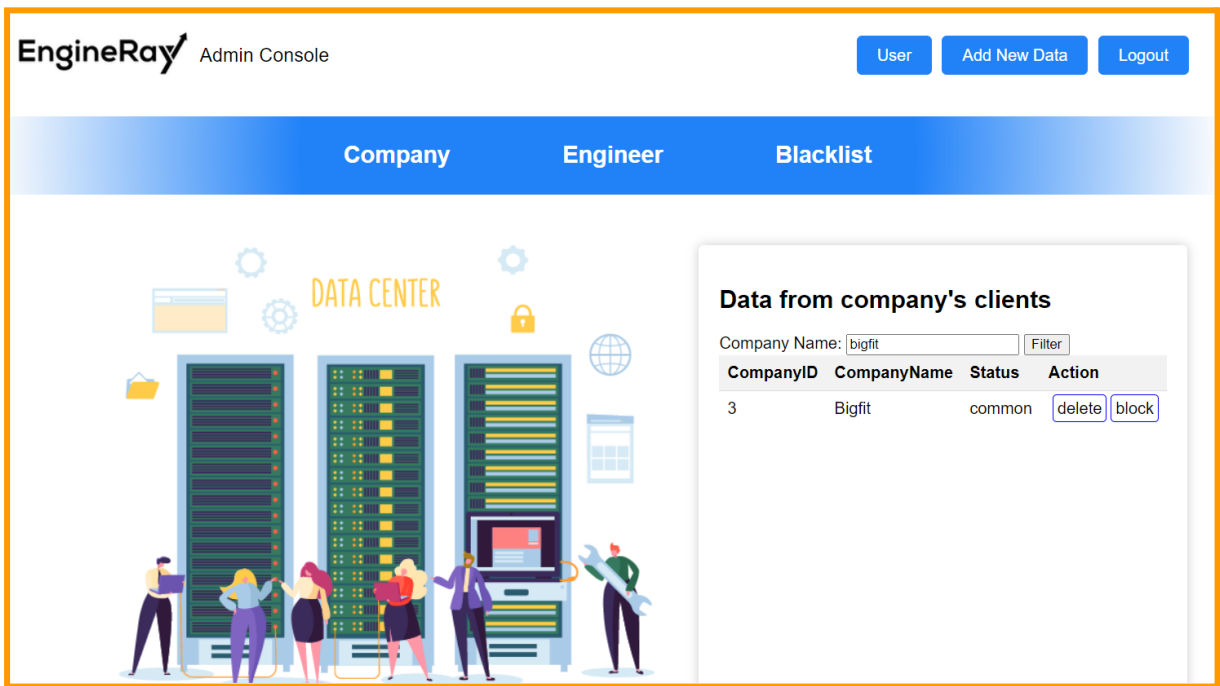
1.1 Company database page:

Company database will display company side users all information, administrator can filter the company side user from the filter conditions, which includes: companyID, companyName, Status. Administrator can input the specific condition to search the user from all database.



(Figure 25. Company Admin console database list)

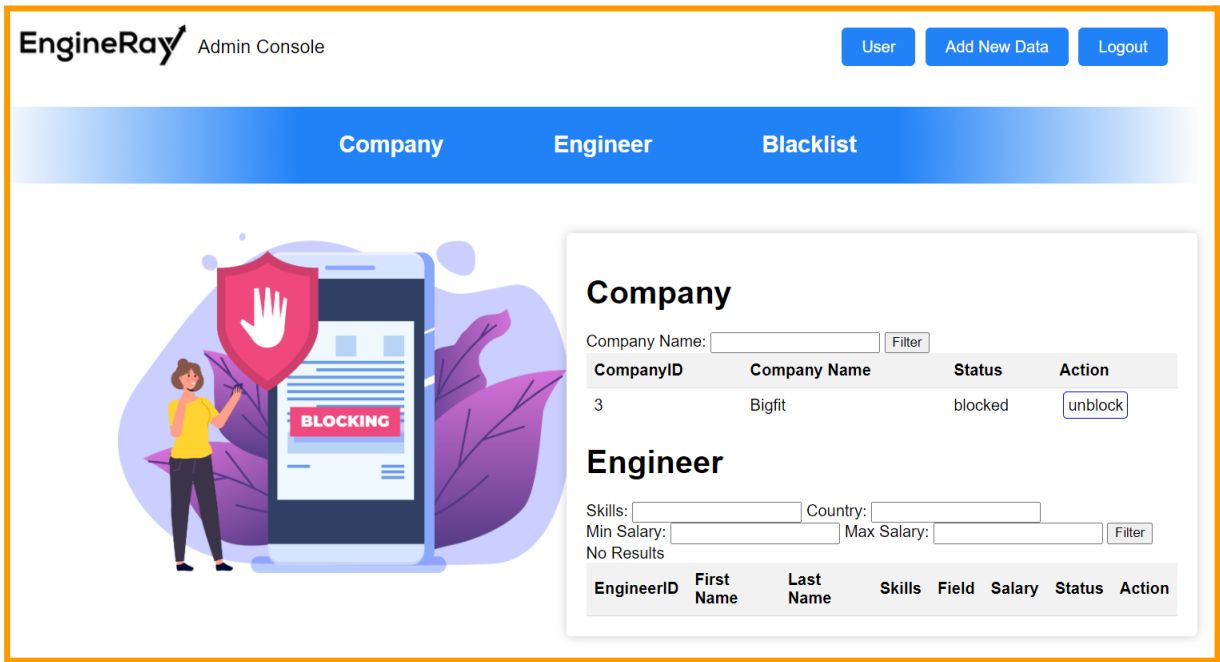
For example, the Company Name is the Cube, administrator should type sydney at location input label, and click the filter function, it will display users only Cube.



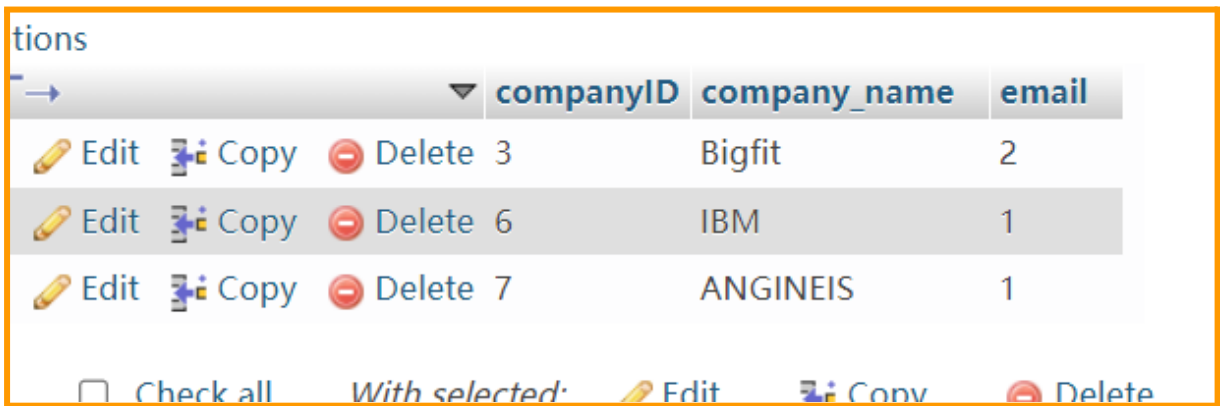
(Figure 26. Filter the location as Sydney at Company admin page)

1.2 Users from the company admin page can be 'block' and 'delete' from both the website page and the database.

1.2.1 Block - When administrator click the block button, the user will be removed to the blacklist. At the database side, the block table has two conditions: 1="blocked", 2="unblocked", the block table will also be changed to 1 or 2, which represents the user is be blocked or not.



(Figure 27. Company side user at the block list)



(Figure 28. The blocked user's block(email) column displayed '1')

1.2.2 Delete - When administrator click the delete button, the user will be terminate deleted from both the website page and database, and can not be retrieved. The only way to add again is to register from the engineray side and login again.

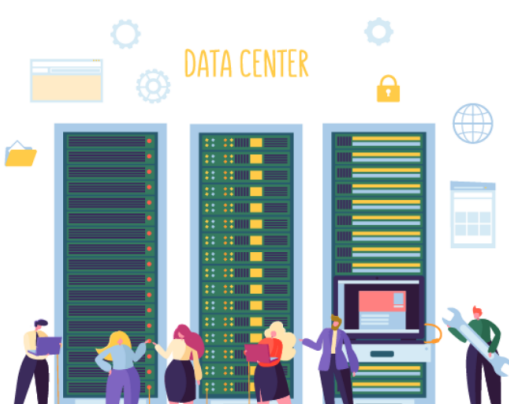
EngineRay

Admin Console

UserAdd New DataLogout

CompanyEngineerBlacklist

DATA CENTER



Data from company's clients

Company Name:

CompanyID	CompanyName	Status	Action	
3	Bigfit	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
6	IBM	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
7	ANGINEIS	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
8	JooMag	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
9	Corsi	common	<input type="button" value="delete"/>	<input type="button" value="block"/>

(Figure 29. Try to delete the CompanyID = 8's user - JooMag)


EngineRay

Admin Console

UserAdd New DataLogout

CompanyEngineerBlacklist

DATA CENTER

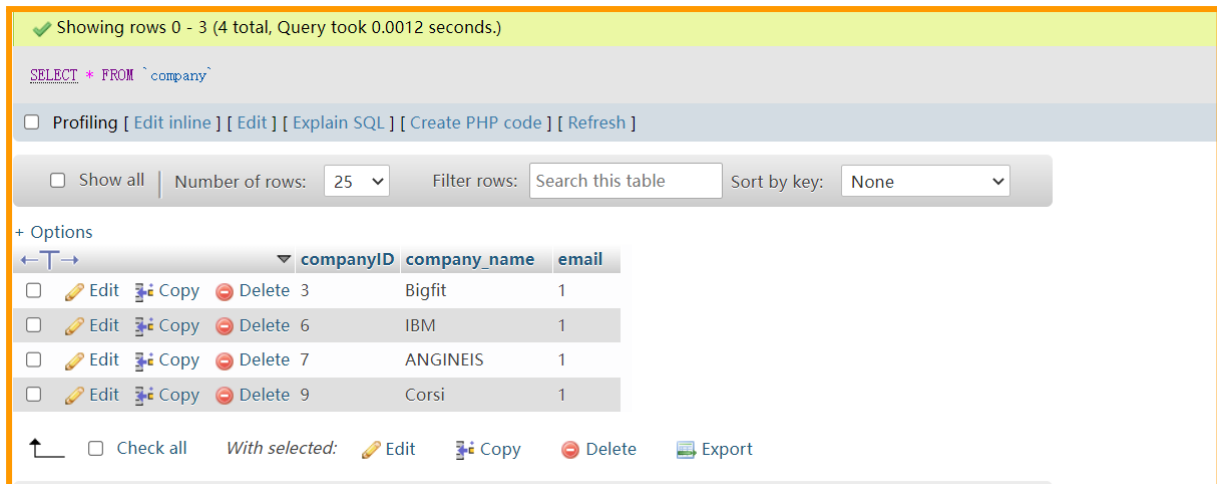


Data from company's clients

Company Name:

CompanyID	CompanyName	Status	Action	
3	Bigfit	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
6	IBM	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
7	ANGINEIS	common	<input type="button" value="delete"/>	<input type="button" value="block"/>
9	Corsi	common	<input type="button" value="delete"/>	<input type="button" value="block"/>

(Figure 30. The companyID =8's user is deleted)

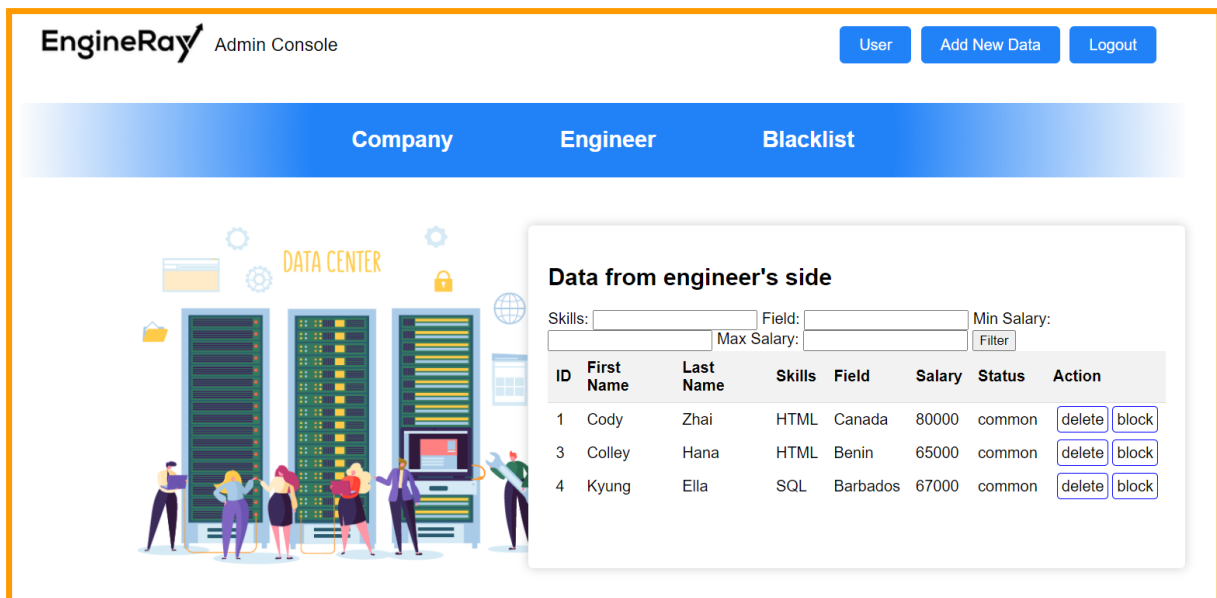


(Figure 31. The same delete action will be implement at database, the user was deleted)

1.3 Engineer side page

Users from the engineer admin page can be 'block' and 'delete' from both the website page and the database.

1.2.1 Block - When administrator click the block button, the user will be removed to the blacklist. At the database side, the status table has two conditions: 1="unblocked", 2="blocked", the block table will also be changed to 1 or 2, which represents the user is be blocked or not.




(Figure 32. Engineer side admin database)

EngineRay

Admin Console

UserAdd New DataLogout

CompanyEngineerBlacklist



Company

Company Name:

No Results

CompanyID	Company Name	Status	Action
-----------	--------------	--------	--------

Engineer

Skills: Country:

Min Salary: Max Salary:

EngineerID	First Name	Last Name	Skills	Field	Salary	Status	Action
3	Colley	Hana	HTML	Benin	65000	blocked	<input type="button" value="unblock"/>

(Figure 33. The engineerID = 3’s user was blocked)

	engineerID	first_name	last_name	email	country	occupation	year_of_experience	skills	salary	status	profession
 Delete	1	Cody	Zhai		Canada			HTML	80000	1	common
 Delete	3	Colley	Hana		Benin			HTML	65000	2	blocked
 Delete	4	Kyung	Ella		Barbados			SQL	67000	1	profession

(Figure 34. The status = 2 is means the user is at the blacklist)

1.2.2 Delete - When administrator click the delete button, the user will be terminate deleted from both the website page and database, and can not be retrieved. The only way to add again is to register from the engineray side and login again.

EngineRay Admin Console

User Add New Data Logout

Company Engineer Blacklist

DATA CENTER

Data from engineer's side

Skills: Field: Min Salary: Max Salary: Filter

ID	First Name	Last Name	Skills	Field	Salary	Status	Action
1	Cody	Zhai	HTML	Canada	80000	common	delete block
3	Colley	Hana	HTML	Benin	65000	common	delete block
4	Kyung	Ella	SQL	Barbados	67000	common	delete block

(Figure 35. Test for delete function, the Colley Hana will be deleted.)

EngineRay Admin Console

User Add New Data Logout

Company Engineer Blacklist

DATA CENTER

Data from engineer's side

Skills: Field: Min Salary: Max Salary: Filter

ID	First Name	Last Name	Skills	Field	Salary	Status	Action
1	Cody	Zhai	HTML	Canada	80000	common	delete block
4	Kyung	Ella	SQL	Barbados	67000	common	delete block

(Figure 36. Delete the Colley Hana and display it at the screen)

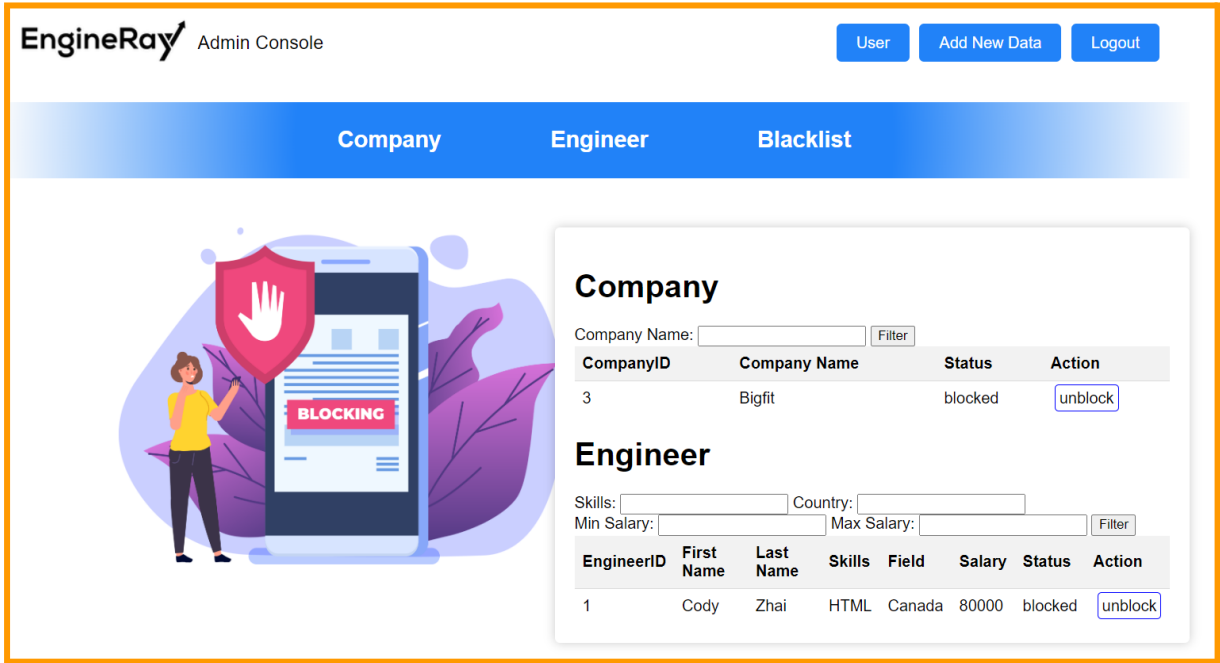
Click the drop-down arrow to toggle column's visibility.

	eeerID	first_name	last_name	email	country	occupation	year_of_experience	skills	salary	common 2 blocked	professional_experience
Edit Copy Delete	1	Cody	Zhai		Canada			HTML	80000	1	
Edit Copy Delete	4	Kyung	Ella		Barbados			SQL	67000	1	

(Figure 37. The Colley Hana data was deleted at the database side)

1.4 Blacklist Page

The blacklist page displays users who was blocked both from engineer and company side, it will be gaped as the company part and the engineer part respectively. The administrator can unblock the user who belonged at the blacklist, the user will be retrieved to the company or engineer side. At the same time, the 'block' at database will transfer from '1' to '0', 1 means the user is blocked, '0' means user is unblocked.



(Figure 38. One company side user and engineer side user was blocked when administrator click the block button)

											status
											1 common
	engineerID	first_name	last_name	email	country	occupation	year_of_experience	skills	salary		2 blocked
y Delete	1	Cody	Zhai		Canada			HTML	80000		2
y Delete	4	Kyung	Ella		Barbados			SQL	67000		1

(Figure 39. The status user will display 2 at the database for status column)