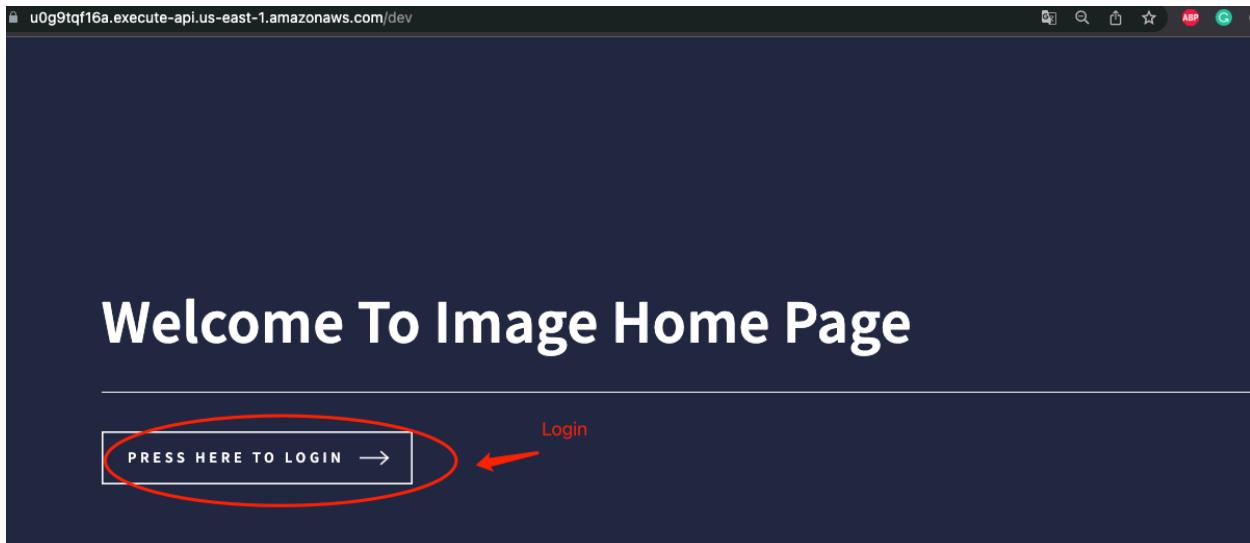


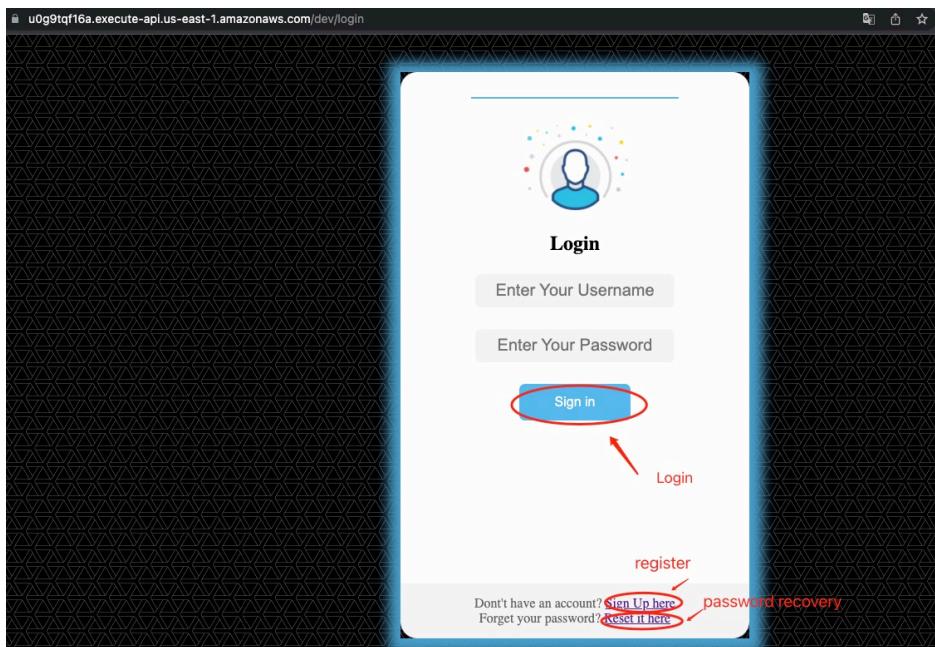
User Manual

1. Homepage, login, register, logout

Homepage:



Login:



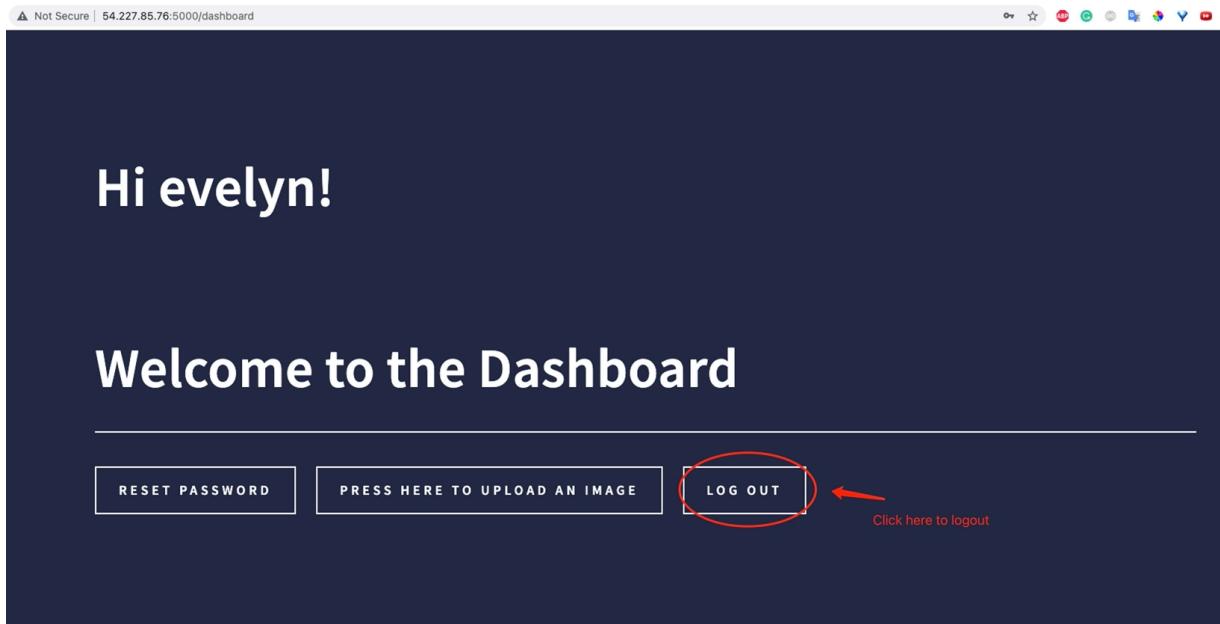
It will show error messages if the username or password is incorrect.

The image displays two separate login forms side-by-side, both showing an error message above the input fields.

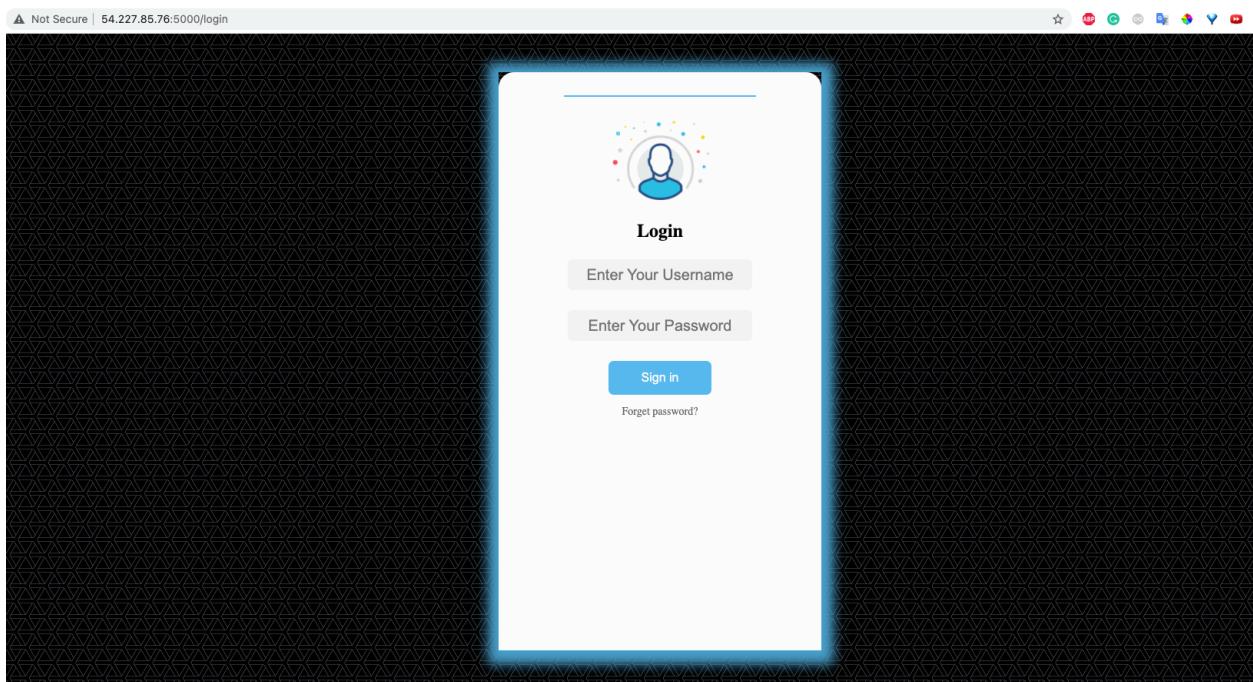
Left Form (Incorrect Username):
The title is "Login". An error message says "Incorrect username! Please check your login information and try again". Below it are two input fields: "Enter Your Username" and "Enter Your Password". A blue "Sign in" button is at the bottom.

Right Form (Incorrect Password):
The title is "Login". An error message says "Incorrect Password!". Below it are two input fields: "Enter Your Username" and "Enter Your Password". A blue "Sign in" button is at the bottom.

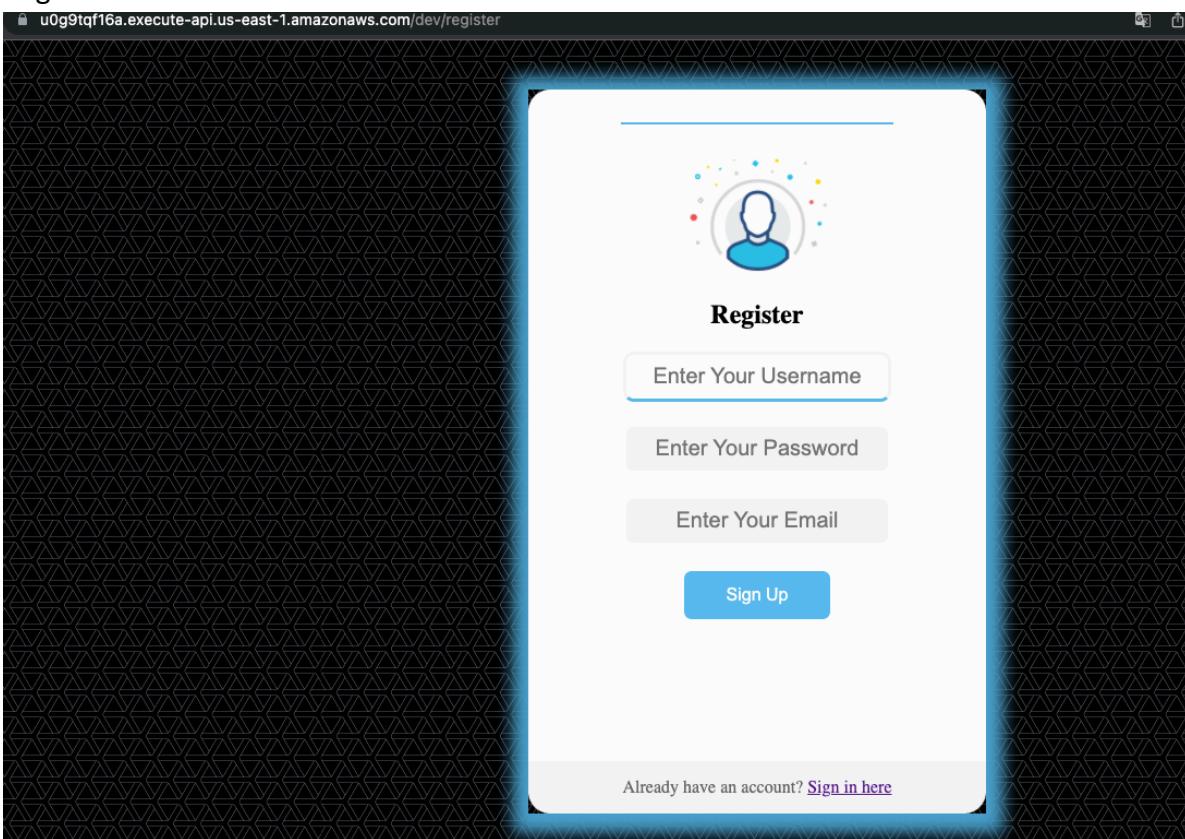
Once the password and username pass the security check, users will be automatically taken to the dashboard. Click "log out" button if users want to log out.



Users are taken to login page if they successfully log out.



Register:

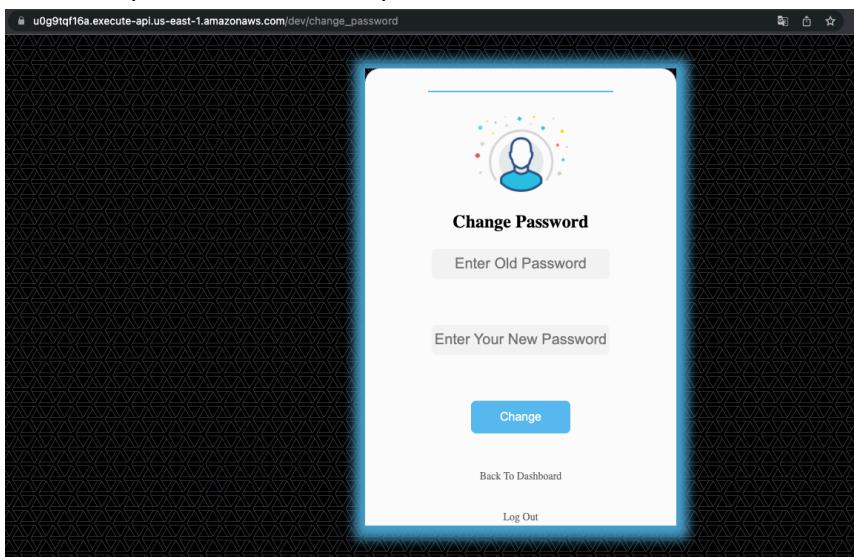


2. Change password and password recovery

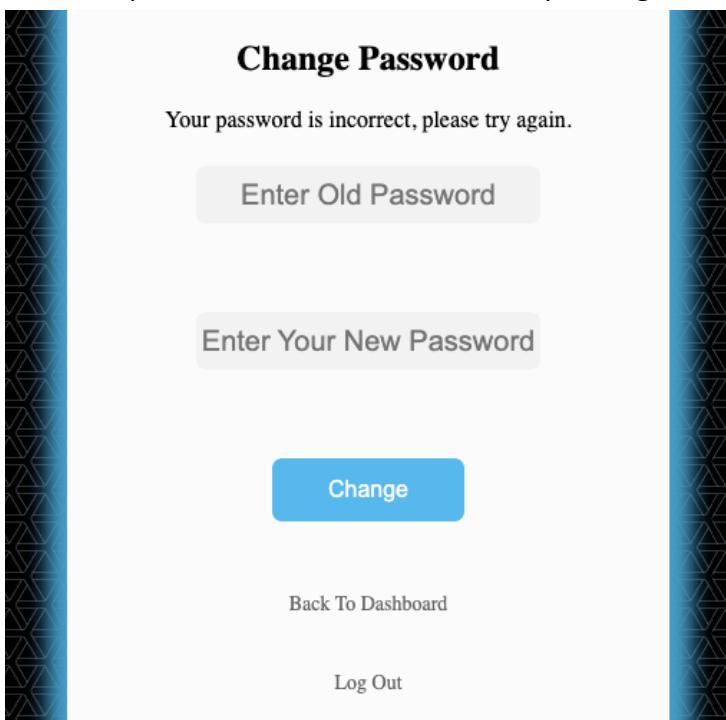
There are two ways for users to change their password.

1). The first method: change password in the dashboard. (This requires users to login.)

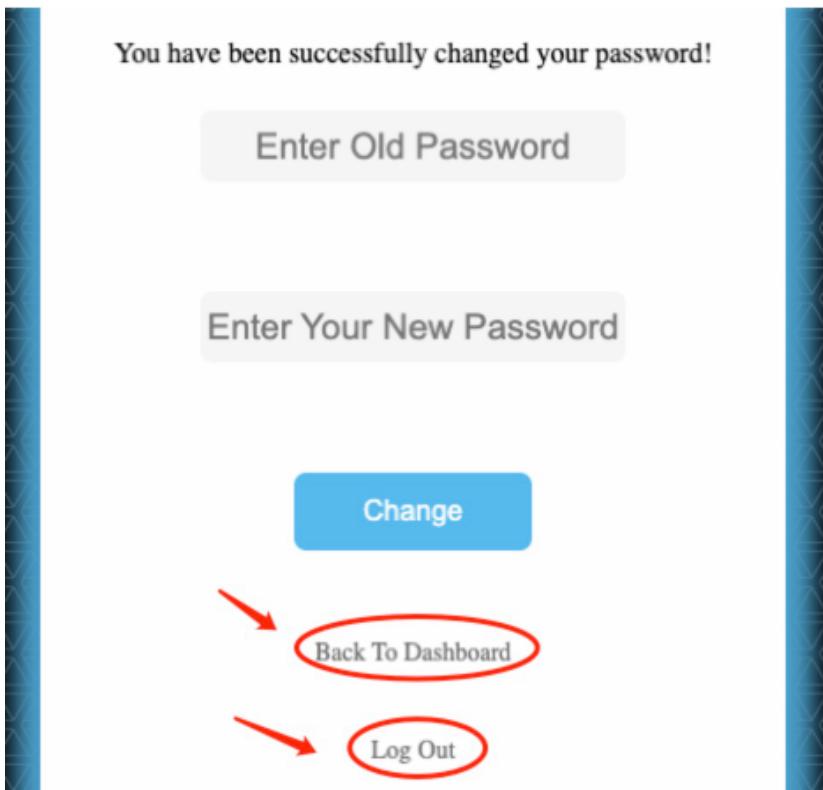
Enter old password and new password.



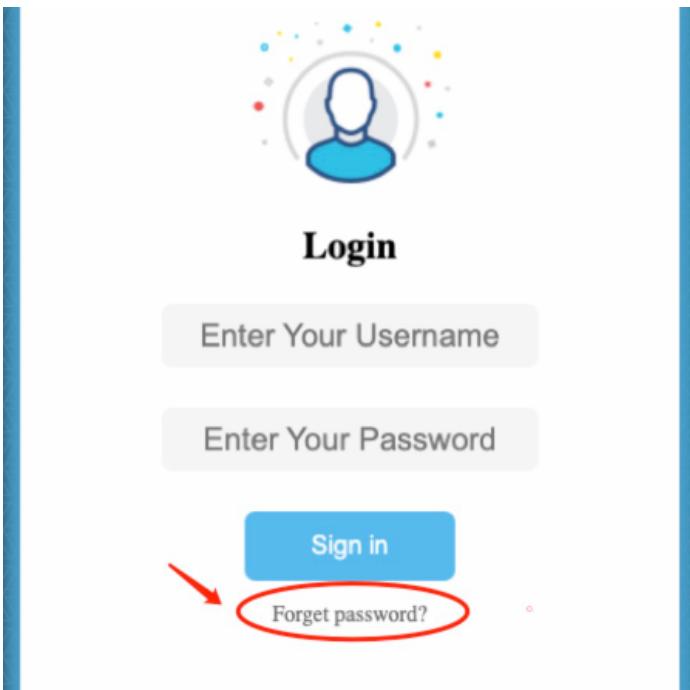
If the old password is incorrect, it's corresponding error message will be popped out.



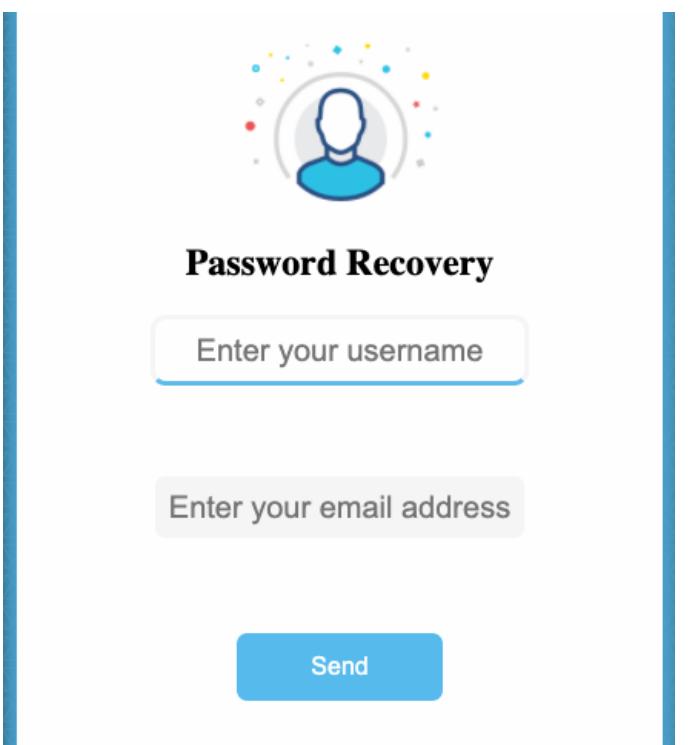
The success message will be popped out if users successfully change the password. Users can choose to go back to dashboard or log out.



2). The second method: click “forget password” button and use a secret link to reset password. This situation usually happens when users forget their password, so the functionality is designed in login page.



Enter the correct username and email address.



Otherwise, the following error messages will be shown.

<p>Password Recovery</p> <p>This username does not exist! Please check your username information and try again</p> <p>Enter your username</p> <p>Enter your email address</p> <p>Send</p>	<p>Password Recovery</p> <p>This email address does not match the username! Please check your username information and try again</p> <p>Enter your username</p> <p>Enter your email address</p> <p>Send</p>
---	---

A success message will be shown if the user enters correct username and email address.

Password Recovery

The email of password recovery request has been successfully sent to you email address. Please check it.

Enter your username

Enter your email address

Send

At the meanwhile, an email contains a secure link will be sent to the user.

evchen1779@gmail.com
发送至 我 ▾
To reset your password, visit the following link: http://54.227.85.76:5000/reset_password/eyJhbGciOiJIUzUxMiIsImhdCI6MTYzMjNDYxODMyOSwiZXhwIjoxNjM0NjIwMTI5fQ.eyJ1c2VybmFtZSI6ImV2ZWx5biJ9.MRjNB20xO5fzy13sODudptkzoH0Uv0yuMCU7_cArFbFibLaT79p6L03sBm4JGX9tfuata1VvgTG2D9zI9g
If you did not make this request then simply ignore this email and no changes will be made.

The link is valid for the following 30 minutes. The user can enter the link to set new password.

Enter New Password

Confirm Your Password

Change

[Press here to login](#)

If the token is expired or not valid, the user will be taken back to password recovery. A warning message will be shown.

Password Recovery

Warning: The token is either invalid or expired. Please use the following form to generate new link.

Enter your username

Enter your email address

Send

A success message will be shown after filling the password.

Your password has been successfully reset!

Enter New Password

Confirm Your Password

Change

[Press here to login](#)

If the confirmed password does not match the new password, the following error message will be shown.

Passwords does not match, please try again.

Enter New Password

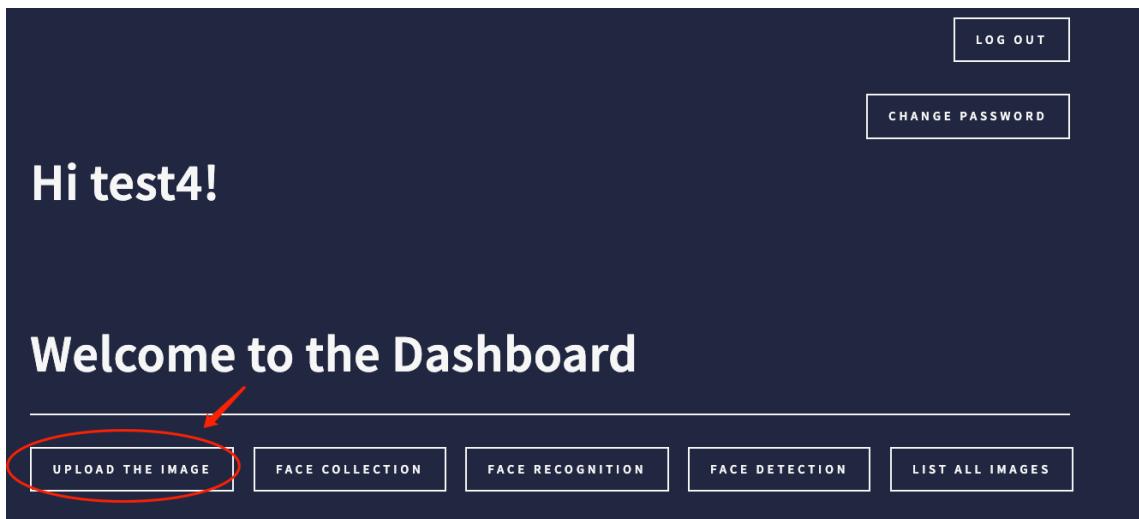
Confirm Your Password

Change

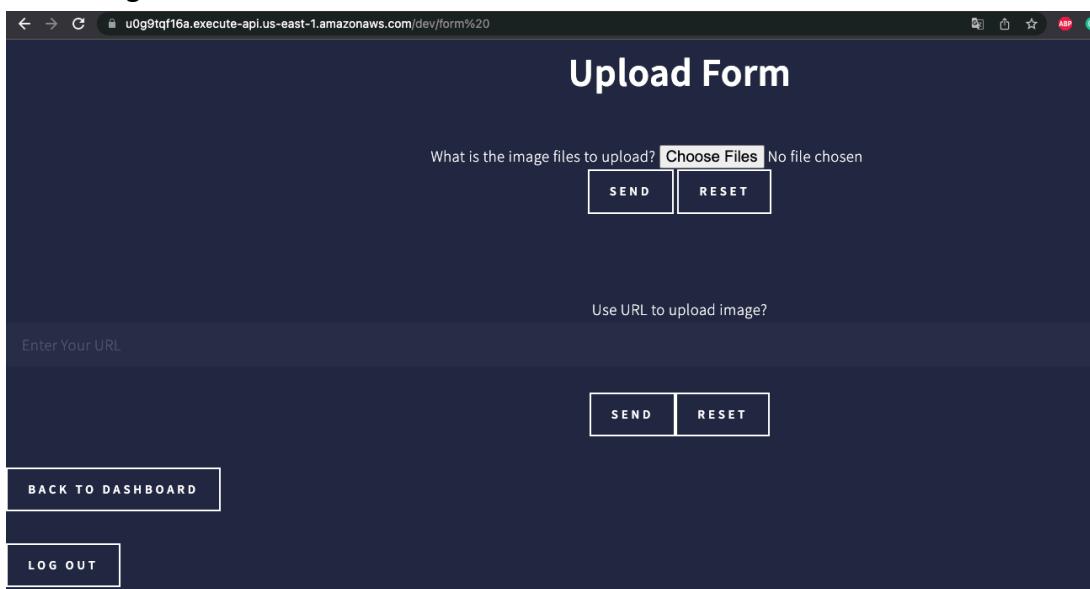
[Press here to login](#)

3. Upload images, filter images, search image based on date, and sort images based on size/date.

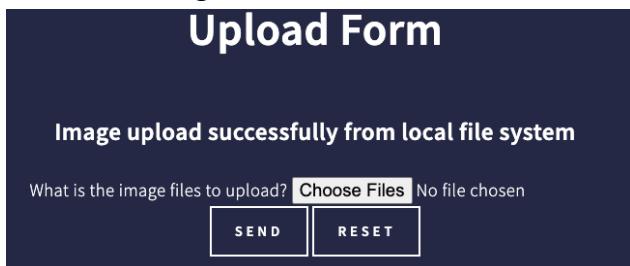
1) upload images



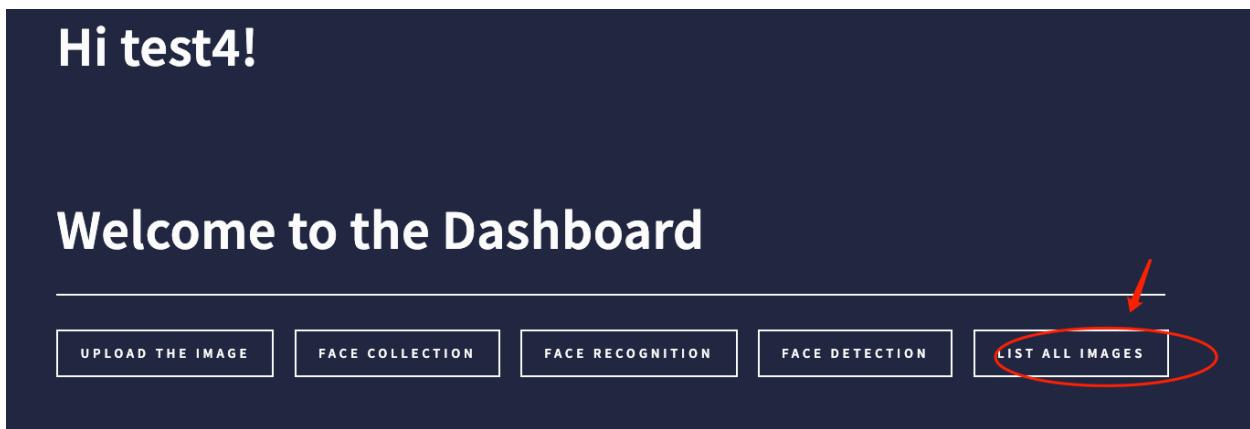
Send image.



Success message:



2) normal search & sort images, filter images



Search images based on date.

The screenshot shows a search interface for images by date. It has two main sections: "LIST ALL IMAGES BY THE DATE:" and "LIST ALL IMAGES BY SORT OR IGNORE THE OPTION:". In the first section, there are input fields for "From" (set to "2021-12-07") and "To" (set to "2021-12-07"), and a "SUBMIT" button. The entire "From" field area is circled in red. In the second section, there is a dropdown menu with the placeholder "-Choose a sort option-", and a "SUBMIT" button. Below these sections are "BACK TO DASHBOARD" and "LOG OUT" buttons.

3) Sort images base on date or size.

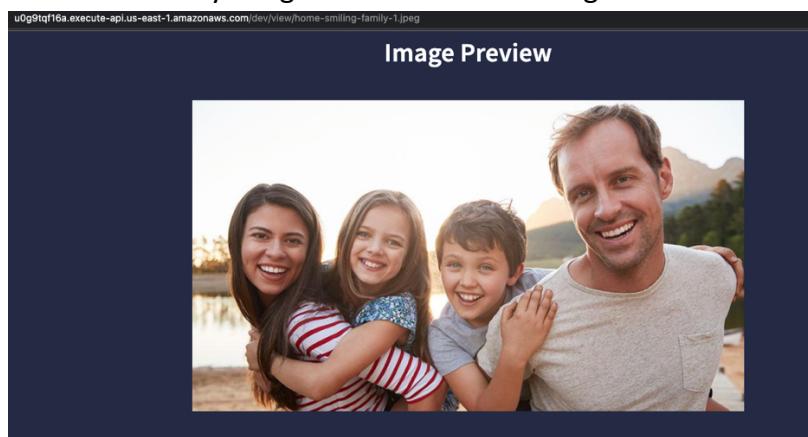
The screenshot shows a dropdown menu for sorting images. The title is "LIST ALL IMAGES BY SORT OR IGNORE THE OPTION:". The menu contains a checked option "-Choose a sort option-", and other options "Date" and "Size". The "-Choose a sort option-" item is highlighted with a blue background.

Results would look like the following screenshot.

Image Name	Date Added	Size	Format	User	Filter	Delete
biden.jpeg_1.jpeg	2021-12-07	54654	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>
home-smiling-family-1.jpeg	2021-12-07	66959	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>
justin-trudeau-joe-biden.jpeg	2021-12-07	210851	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>

DELETE ALL IMAGES

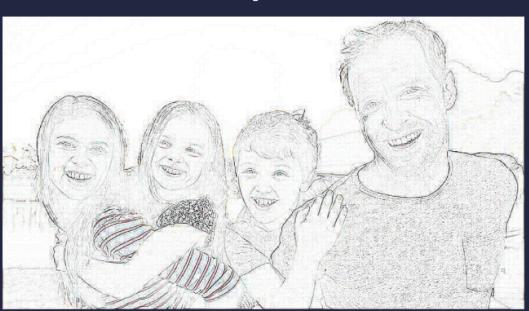
You can click any image name to see the image.



4) Filter image.

Image Name	Date Added	Size	Format	User	Filter	Delete
biden.jpeg_1.jpeg	2021-12-07	54654	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>
home-smiling-family-1.jpeg	2021-12-07	66959	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>
justin-trudeau-joe-biden.jpeg	2021-12-07	210851	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>

Filtered results:



Counter Version

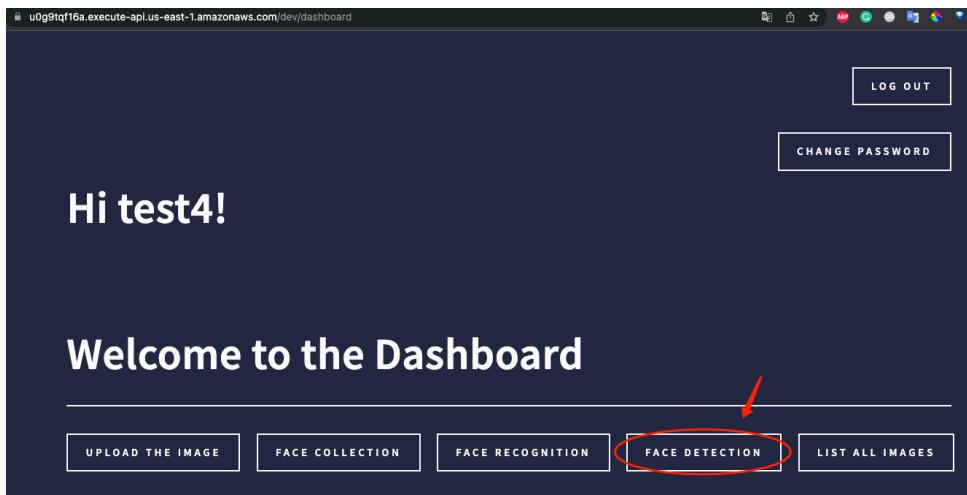


Smooth Version

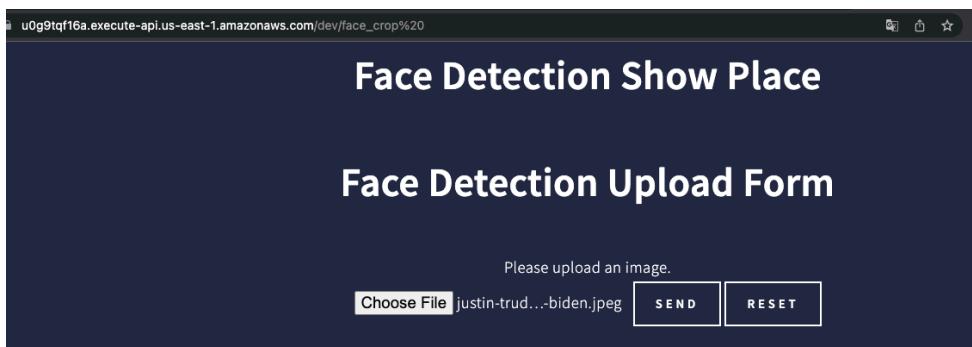


Detail Version

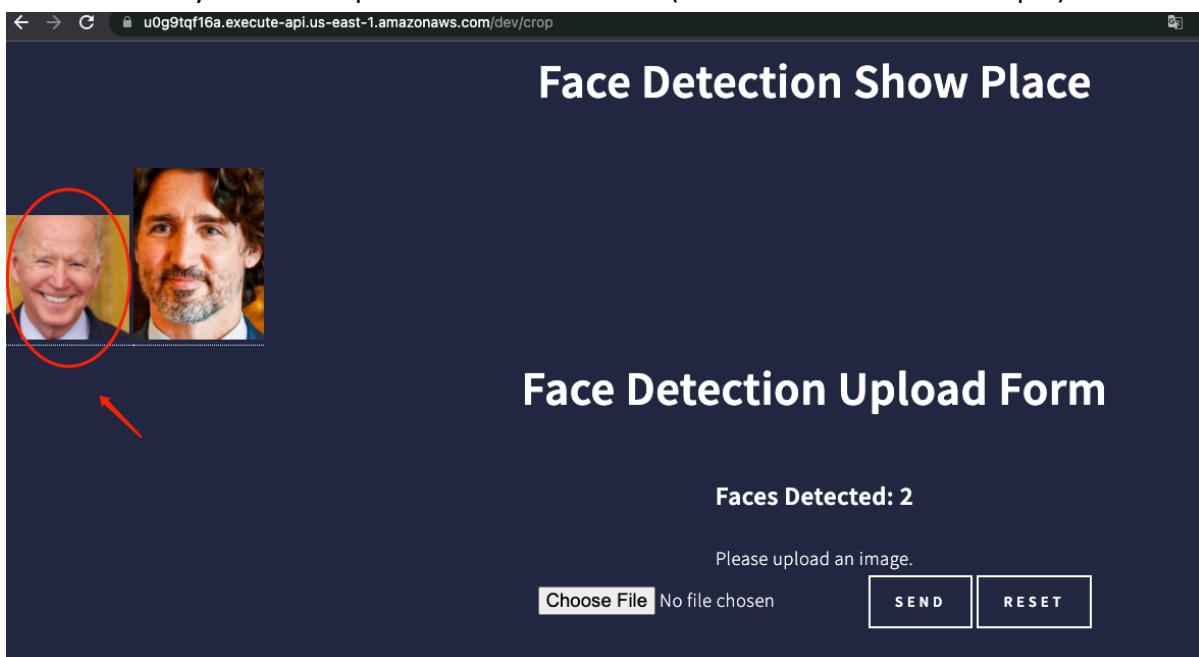
4. Face crop and detection



Upload an image and then click send.



Choose a face you want to perform face detection. (take Joe Biden as an example).



The images contains the similar selected faces that the user uploaded would be shown.

A screenshot of a web browser showing a table of uploaded images. The table has columns for Image Name, Date Added, Size, Format, User, Filter, and Delete. Two rows are visible:

Image Name	Date Added	Size	Format	User	Filter	Delete
biden.jpeg_1.jpeg	2021-12-07	54654	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>
justin-trudeau-joe-biden.jpeg	2021-12-07	210851	jpeg	test4	<button>FILTER</button>	<button>DELETE</button>

At the bottom left, there is a button labeled "DELETE ALL IMAGES".

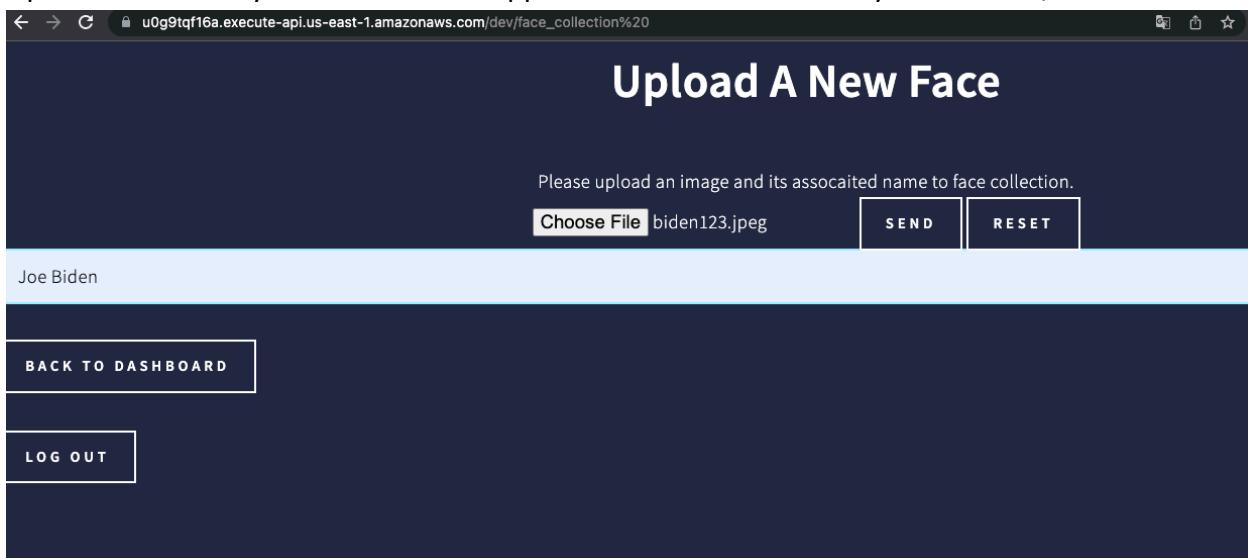
5. Face collection and recognition

In order to perform face recognition, you need to perform face collection firstly.

1) Face collection

A screenshot of a dashboard titled "Welcome to the Dashboard". At the top right are "LOG OUT" and "CHANGE PASSWORD" buttons. Below the title, the text "Hi test4!" is displayed. At the bottom, there are five buttons: "UPLOAD THE IMAGE", "FACE COLLECTION", "FACE RECOGNITION", "FACE DETECTION", and "LIST ALL IMAGES". The "FACE COLLECTION" and "FACE RECOGNITION" buttons are circled in red, and arrows point from the text "step 1" and "step 2" above them respectively towards these buttons.

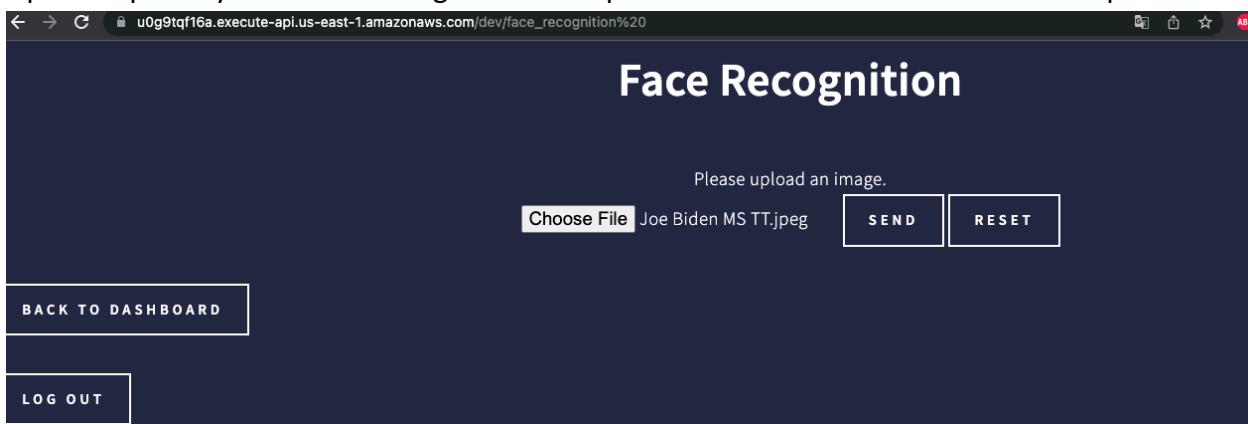
Upload a face that you want the web app remembers. It's necessary to enter his/her name.



The screenshot shows a dark-themed web application interface. At the top center, it says "Upload A New Face". Below that, a message reads "Please upload an image and its associated name to face collection." There is a file input field labeled "Choose File" containing "biden123.jpeg", and two buttons "SEND" and "RESET". In the main area, the name "Joe Biden" is displayed. At the bottom left, there are "BACK TO DASHBOARD" and "LOG OUT" buttons.

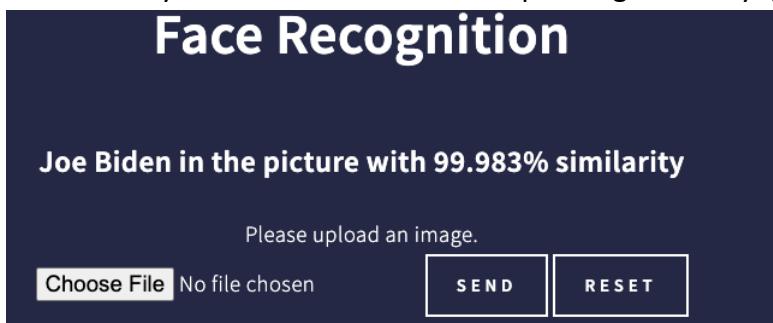
2) Face recognition

Upload a photo you want to recognize. I use a photo that is different than the last step.



The screenshot shows a dark-themed web application interface. At the top center, it says "Face Recognition". Below that, a message reads "Please upload an image." There is a file input field labeled "Choose File" containing "Joe Biden MS TT.jpeg", and two buttons "SEND" and "RESET". In the main area, there is a "BACK TO DASHBOARD" button. At the bottom left, there is a "LOG OUT" button.

It will show you the name and its corresponding similarity. (also applicable for multiple faces)



The screenshot shows a dark-themed web application interface. At the top center, it says "Face Recognition". Below that, a message reads "Joe Biden in the picture with 99.983% similarity". In the main area, a message says "Please upload an image." There is a file input field labeled "Choose File" with "No file chosen", and two buttons "SEND" and "RESET".