

PRACTICAL: lab 3

AIM:

Your Tasks

- Complete the Customer registration form and display customer details in a separate panel.
Required fields:
 - first name, last name, age, email, message (text box)
 - Photo(Image)
- All validations **REQUIRED** for all Customer entity field attributes. (Respective error message **is to be presented** in UI (dialog/popup/etc)
- Input photo image from file upload and display in pop-up dialog box (**BONUS 2 points**)
- Sync code repo to GitHub

Screenshots (Part 1):

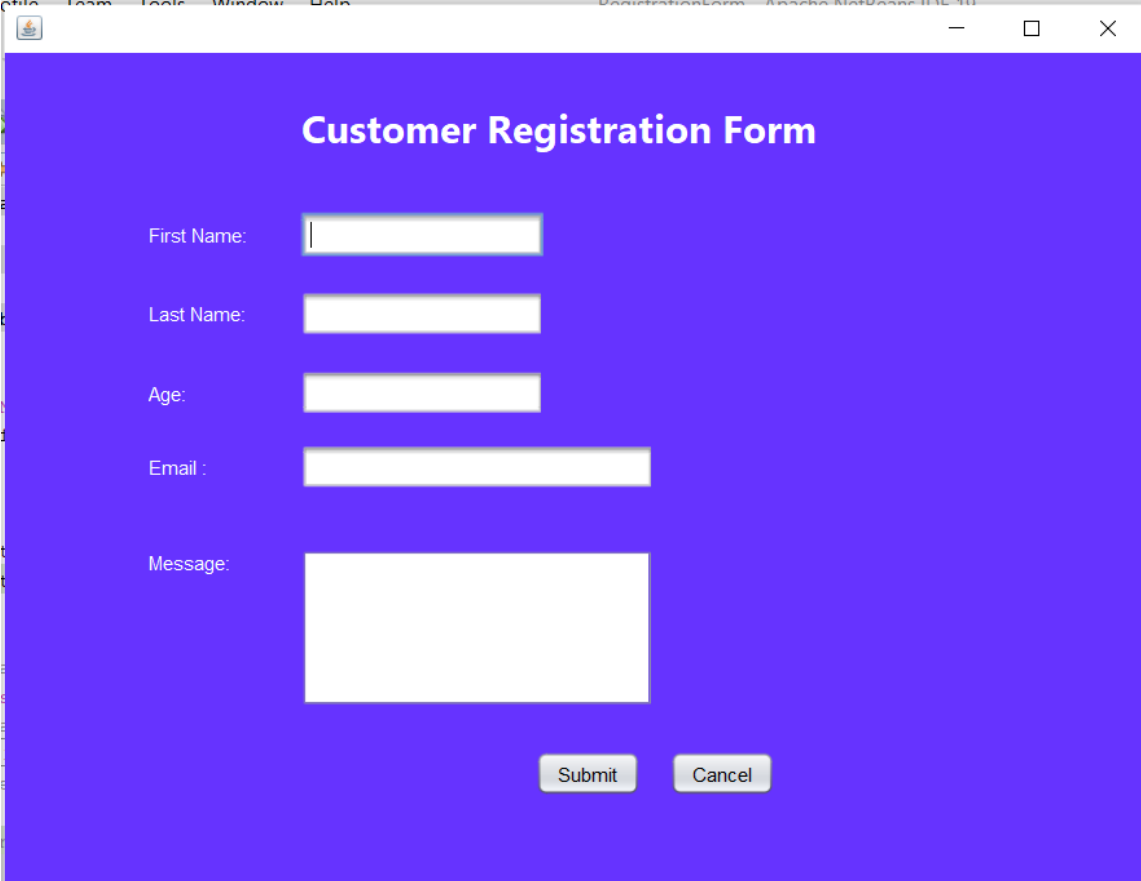
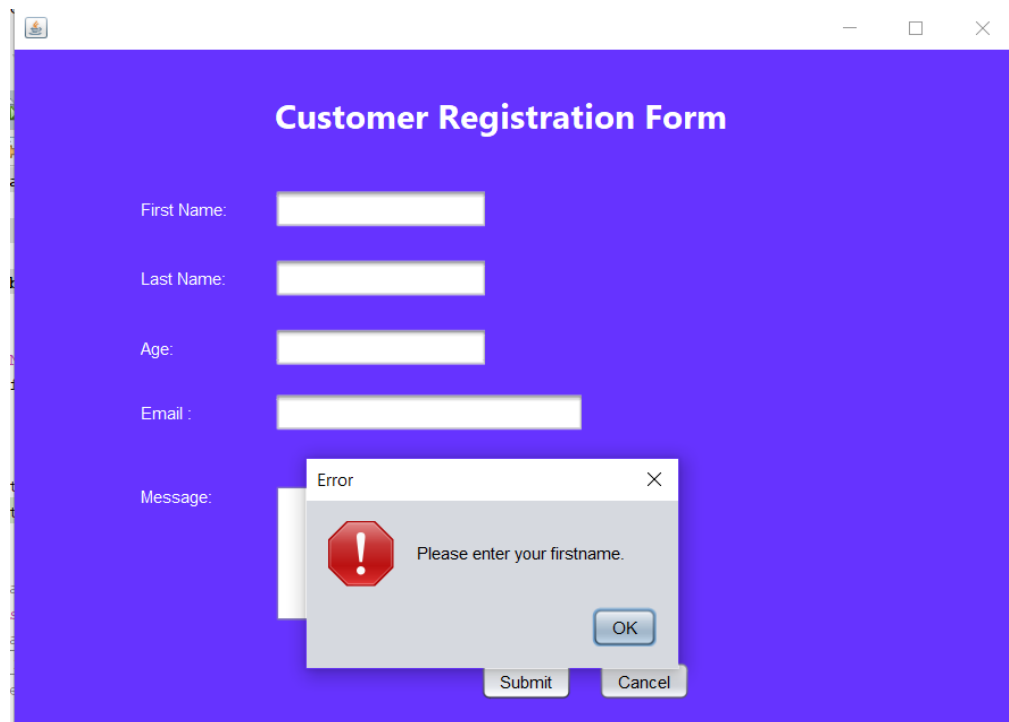
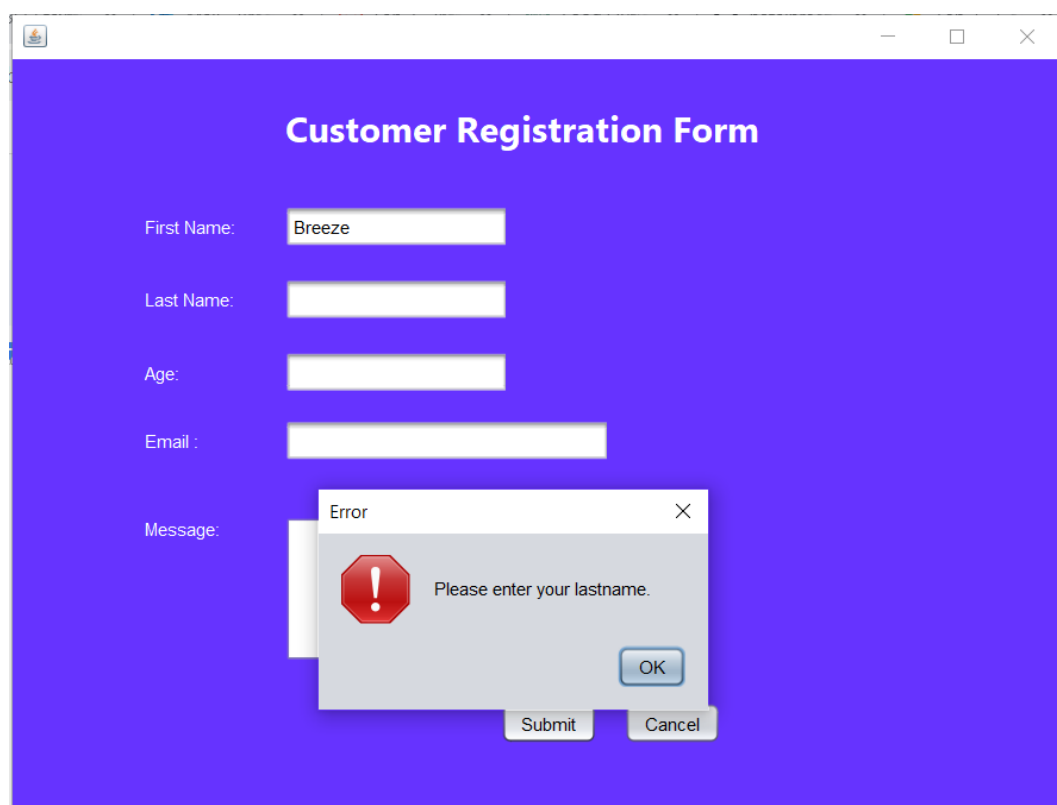
A screenshot of a web application window titled "Customer Registration Form". The form is displayed on a solid blue background. It contains several input fields: "First Name:" with a single-line text box, "Last Name:" with a single-line text box, "Age:" with a single-line text box, "Email :" with a single-line text box, and "Message:" with a multi-line text area. At the bottom right of the form, there are two buttons: "Submit" and "Cancel". The window has a standard title bar with minimize, maximize, and close buttons.

Fig 1: UI of Customer registration form



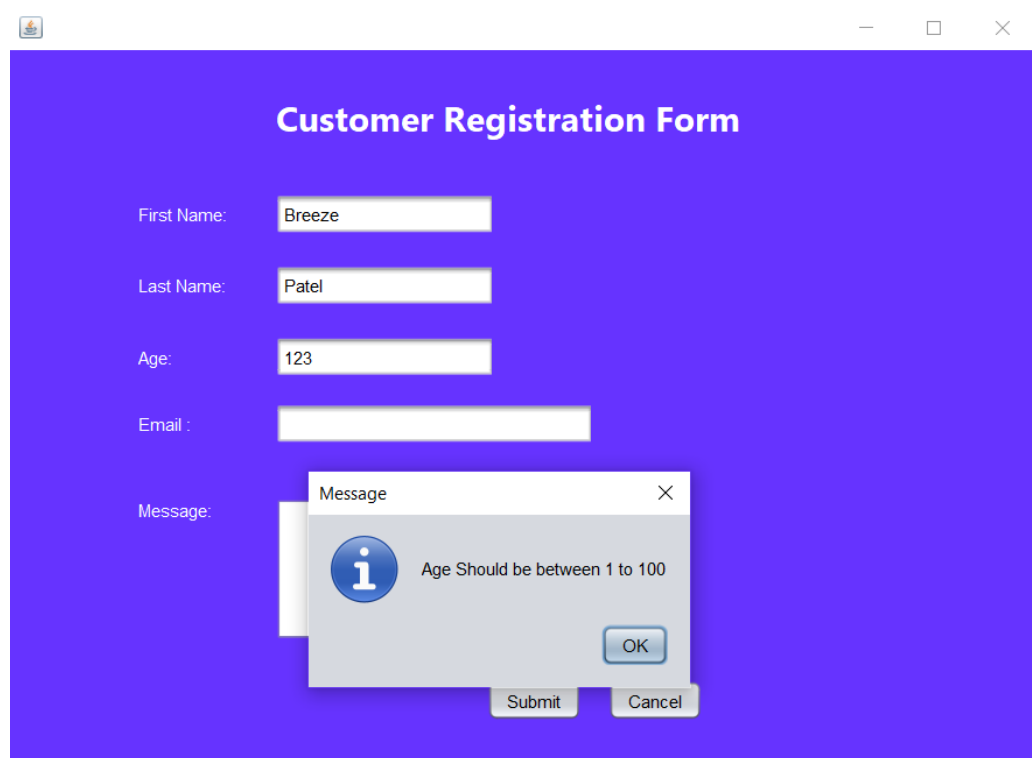
The image shows a web browser window titled "Customer Registration Form". The form has a blue background and contains the following fields: "First Name:", "Last Name:", "Age:", "Email:", and "Message:". The "First Name:" field is empty. An error dialog box is displayed over the form, titled "Error", with a red octagonal icon containing a white exclamation mark. The message in the dialog is "Please enter your firstname." and it has an "OK" button. Below the form, there are "Submit" and "Cancel" buttons.

Fig 2: Error pop up in dialog box with error icon for empty first name field



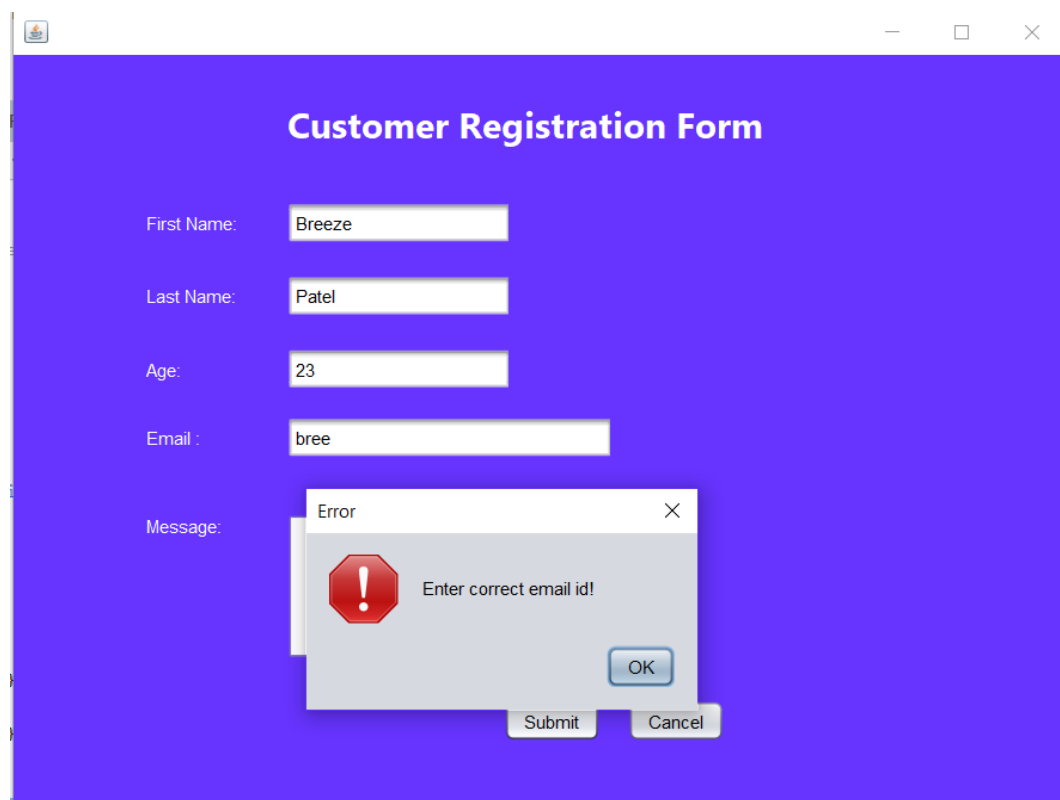
The image shows a web browser window titled "Customer Registration Form". The form has a blue background and contains the following fields: "First Name:", "Last Name:", "Age:", "Email:", and "Message:". The "First Name:" field contains the text "Breeze". The "Last Name:" field is empty. An error dialog box is displayed over the form, titled "Error", with a red octagonal icon containing a white exclamation mark. The message in the dialog is "Please enter your lastname." and it has an "OK" button. Below the form, there are "Submit" and "Cancel" buttons.

Fig 3: empty last name error dialog pop-up box



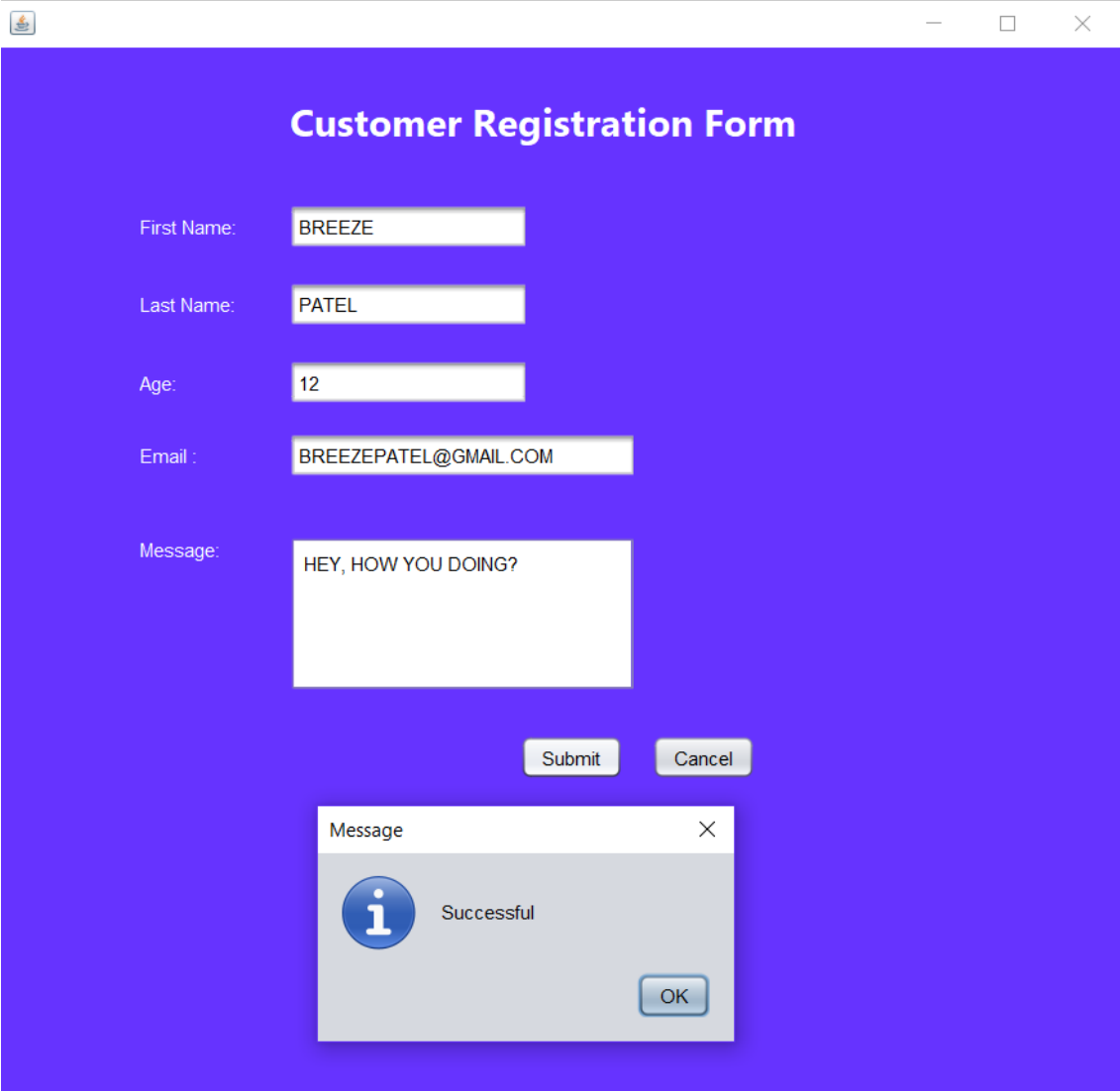
A screenshot of a web browser window displaying a "Customer Registration Form" on a blue background. The form contains five input fields: "First Name:" with the value "Breeze", "Last Name:" with the value "Patel", "Age:" with the value "123", "Email:" which is empty, and "Message:" which is also empty. Below the "Age:" field, a modal dialog box titled "Message" is open. The dialog features a blue information icon and the text "Age Should be between 1 to 100". It includes an "OK" button and a "Cancel" button. The "Submit" button of the form is visible below the dialog.

Fig 4: Age Validation



A screenshot of a web browser window displaying the same "Customer Registration Form" on a blue background. The form fields are: "First Name:" with "Breeze", "Last Name:" with "Patel", "Age:" with "23", "Email:" with the value "bree", and "Message:" which is empty. An "Error" modal dialog box is open, featuring a red octagonal warning icon and the text "Enter correct email id!". The dialog has an "OK" button and a "Cancel" button. The "Submit" button of the form is visible below the dialog.

Fig 5: Email Validation Using Regex.

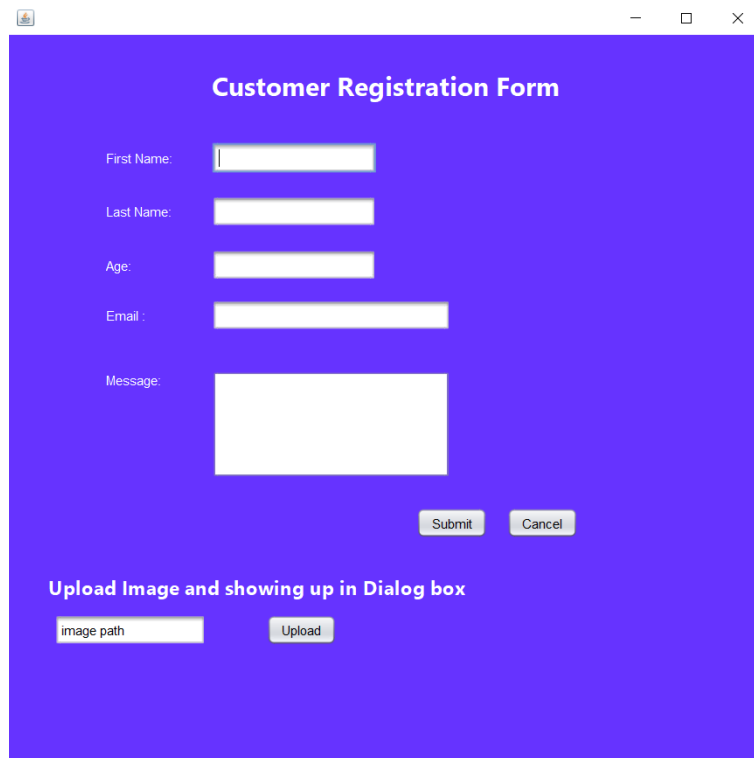


The image shows a web browser window with a blue background. The title of the page is "Customer Registration Form". The form contains the following fields:

- First Name: BREEZE
- Last Name: PATEL
- Age: 12
- Email : BREEZEPATEL@GMAIL.COM
- Message: HEY, HOW YOU DOING?

Below the form are two buttons: "Submit" and "Cancel". A modal dialog box titled "Message" is open, displaying a blue information icon, the text "Successful", and an "OK" button.

Fig 6: Successful Message if everything is validated properly.

Part 2: Bonus one

A screenshot of a web application window titled "Customer Registration Form". The form has a light blue background and contains the following fields: "First Name:" with a text input, "Last Name:" with a text input, "Age:" with a text input, "Email:" with a text input, and "Message:" with a larger text area. Below these fields are "Submit" and "Cancel" buttons. At the bottom of the form, there is a section titled "Upload Image and showing up in Dialog box" which includes an "image path" text input and an "Upload" button.

Fig 7: Upload image UI

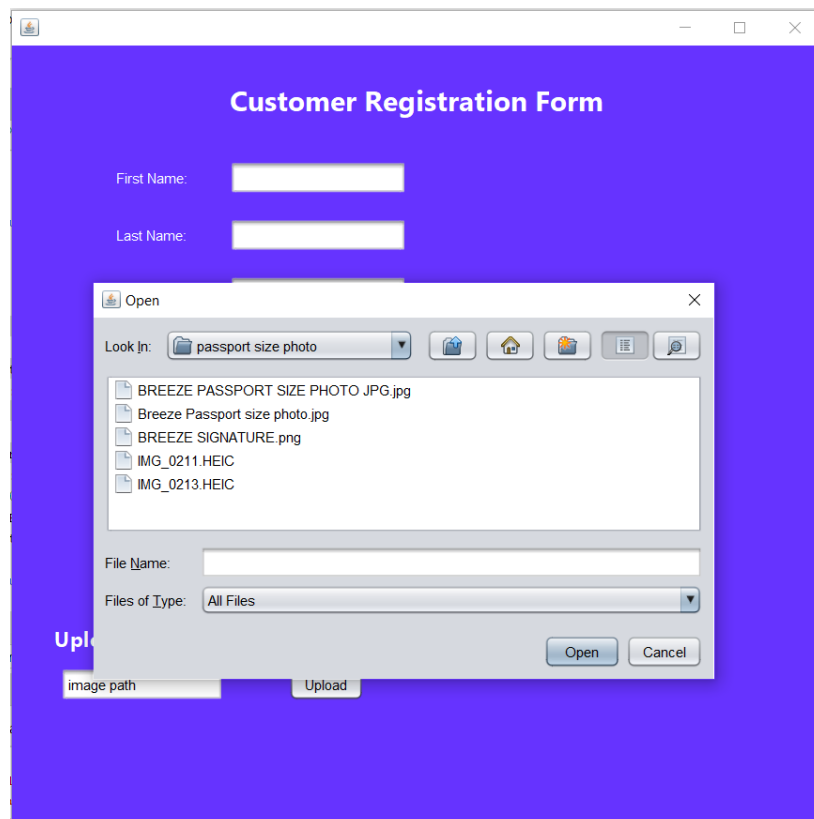


Fig 8: Using JFileChooser Library

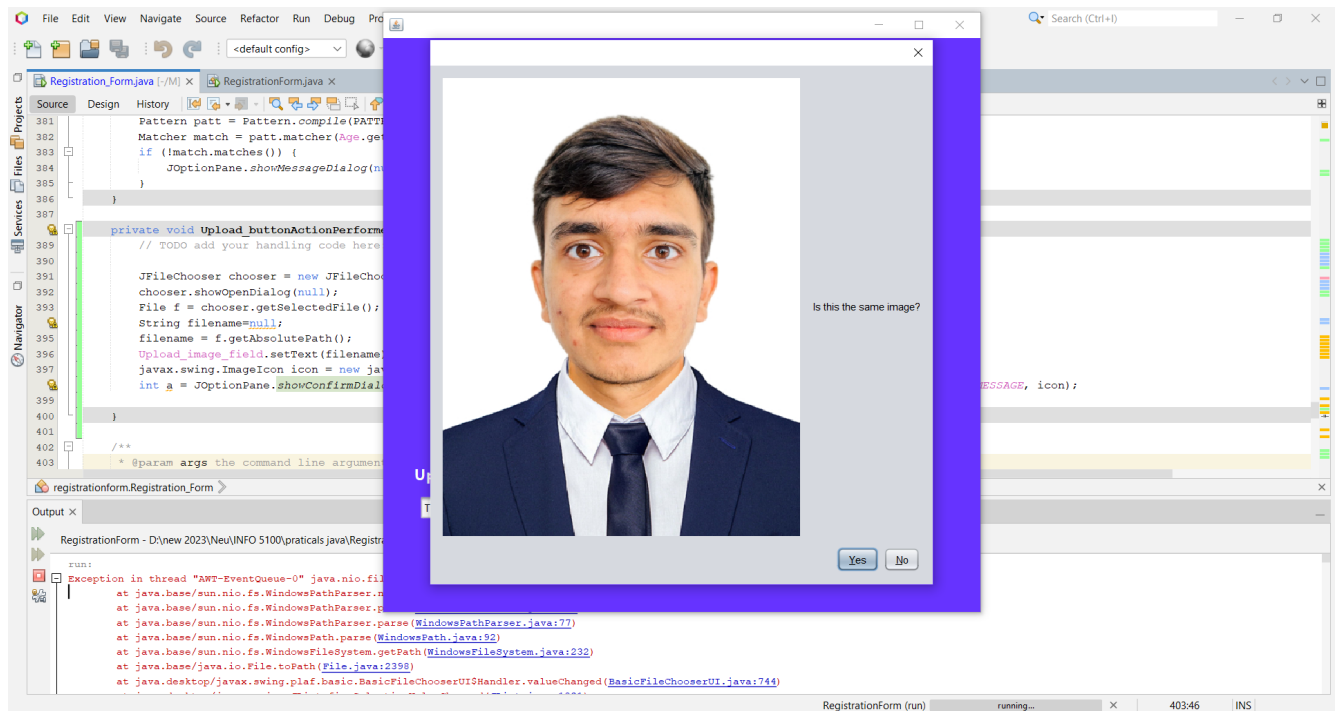


Fig 9: The dialog box showing the image and confirmation for the image is the same! via JOptionPane.

Conclusion:

I have successfully completed this practical by applying my knowledge by performing the below-mentioned topics in this practical.

- Java Swing concepts (JFrame, JPanel, XML layouts, etc.)
- Capture input and display it in the dialog box.