

PRACTICAL: lab 4

AIM:

Your Tasks

- Complete Patient registration form and display customer details in separate panel. Required fields:
 - first name, last name, age, email, message (text box),
 - a field for dropdown comboBox (patient type),
 - a field for the radio button (gender)
 - Photo(Image)
- Implement splitpanel with cardLayout d NAVIGATION - REQUIRED
- 2 views to be generated:
 - customer registration screen
 - customer view details screen
- All validations REQUIRED for all Patient entity field attributes. (Respective error message is to be presented in UI)
- Patient model implementation REQUIRED
- BONUS (2pts): Implement a date chooser picker in your form field.
- Sync code repo to GitHub

Screenshots (Part 1):

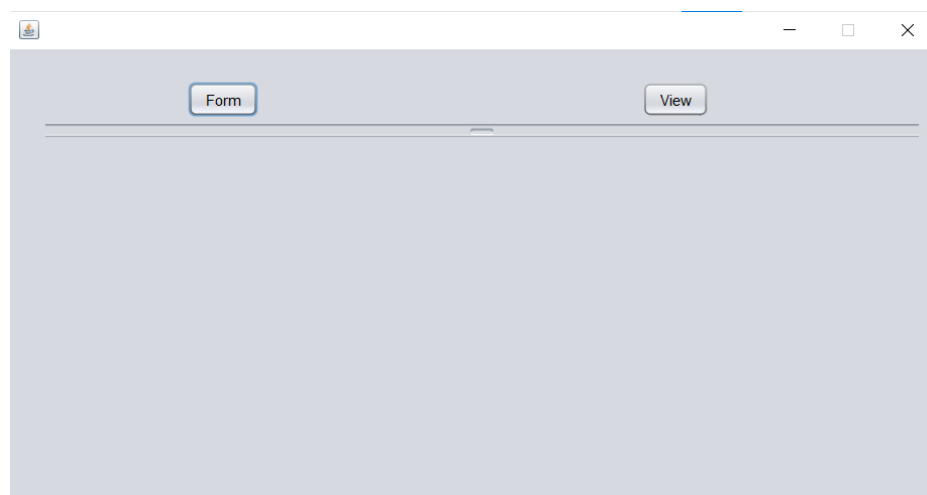
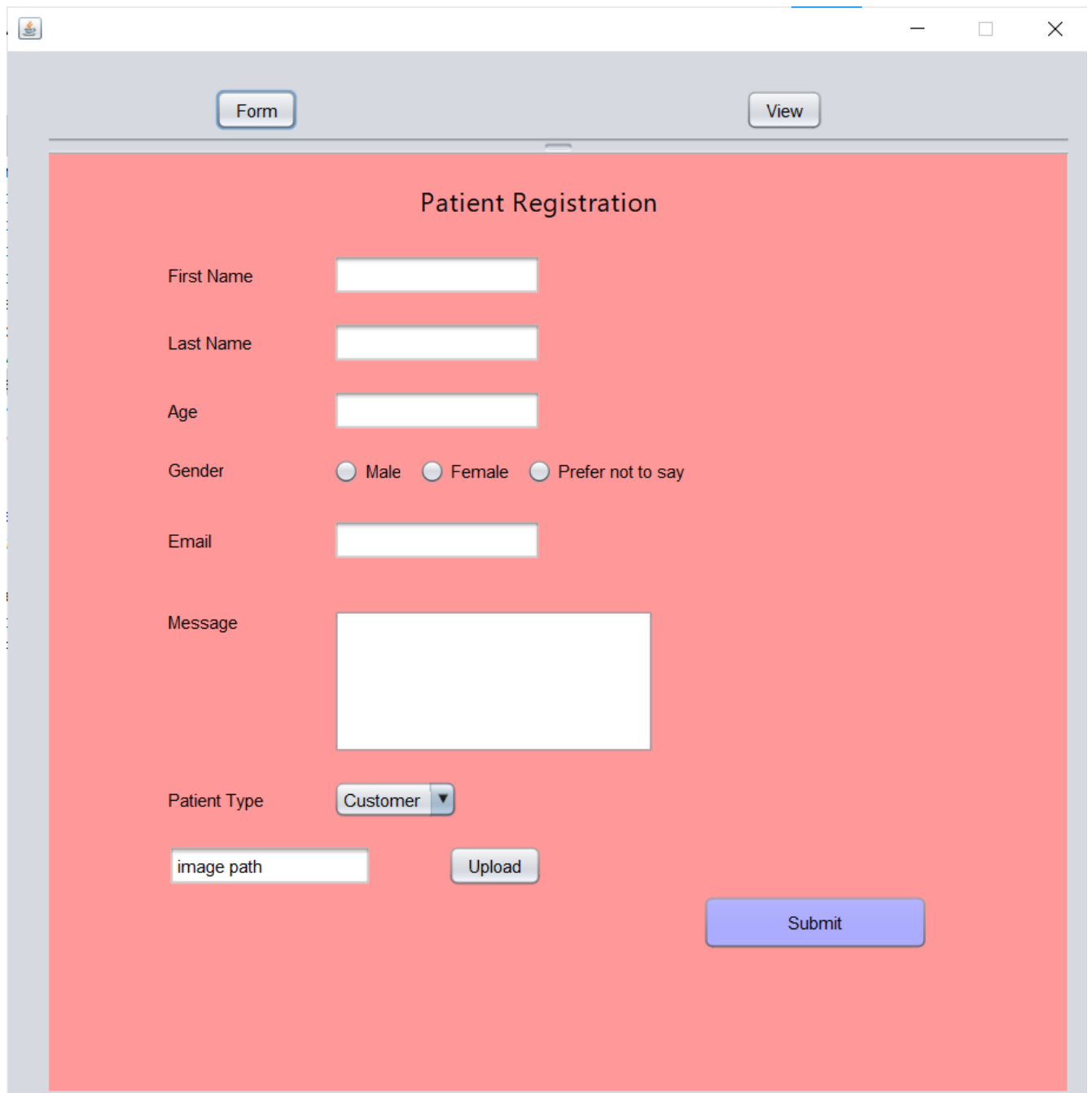


Fig 1: UI of splitpanel registration form



The image shows a web browser window displaying a "Patient Registration" form. The form is titled "Patient Registration" and is set against a light red background. It includes several input fields and buttons. At the top of the form area, there are two buttons: "Form" and "View". The form fields include "First Name", "Last Name", "Age", "Gender" (with radio buttons for "Male", "Female", and "Prefer not to say"), "Email", "Message" (a large text area), "Patient Type" (a dropdown menu currently showing "Customer"), and an "image path" field. There are also "Upload" and "Submit" buttons. The "Submit" button is a prominent blue button at the bottom right of the form area.

Form View

Patient Registration

First Name

Last Name

Age

Gender ☐ Male ☐ Female ☐ Prefer not to say

Email

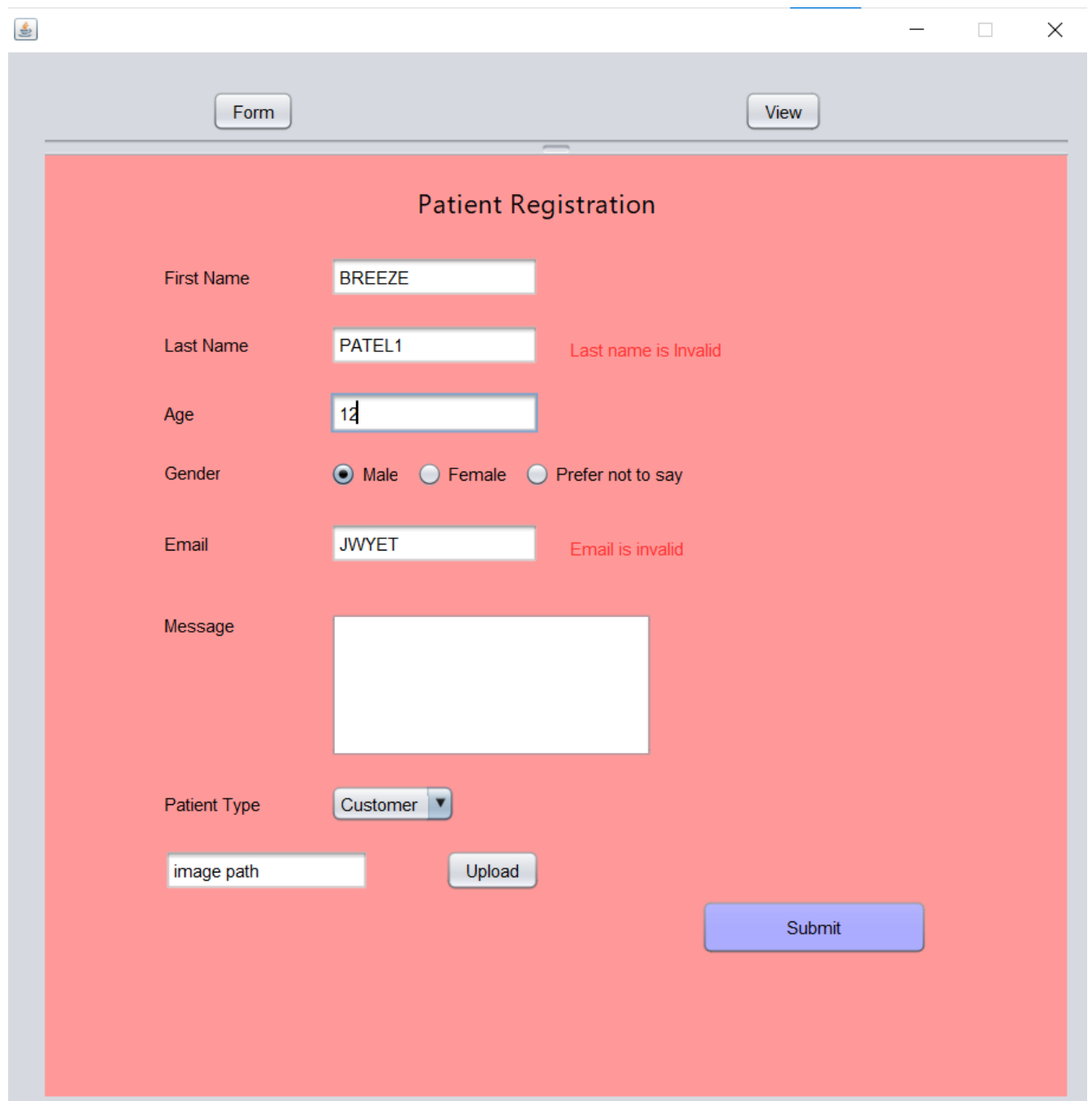
Message

Patient Type

image path Upload

Submit

Fig 2: UI of Patient Registration Form

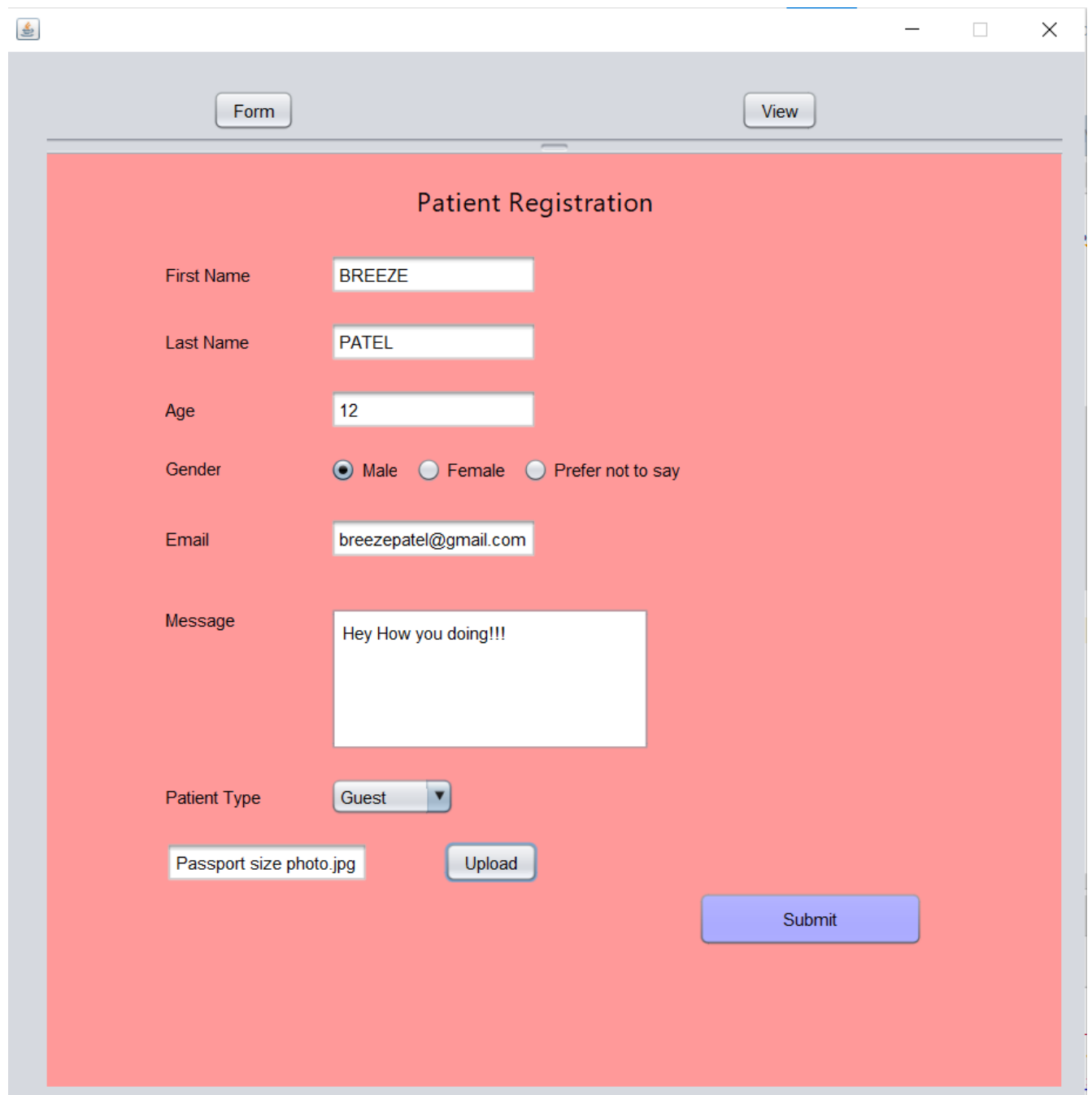


The image shows a Java Swing window titled "Patient Registration". It contains a form with the following fields and controls:

- First Name:** Text box containing "BREEZE".
- Last Name:** Text box containing "PATEL1". To its right is a red error message: "Last name is Invalid".
- Age:** Text box containing "12".
- Gender:** Three radio buttons labeled "Male" (selected), "Female", and "Prefer not to say".
- Email:** Text box containing "JWYET". To its right is a red error message: "Email is invalid".
- Message:** A large empty text area.
- Patient Type:** A dropdown menu currently showing "Customer".
- Image Upload:** A text box labeled "image path" and an "Upload" button.
- Submit:** A large blue button at the bottom right.

The form has a light red background and is enclosed in a grey border with "Form" and "View" buttons at the top.

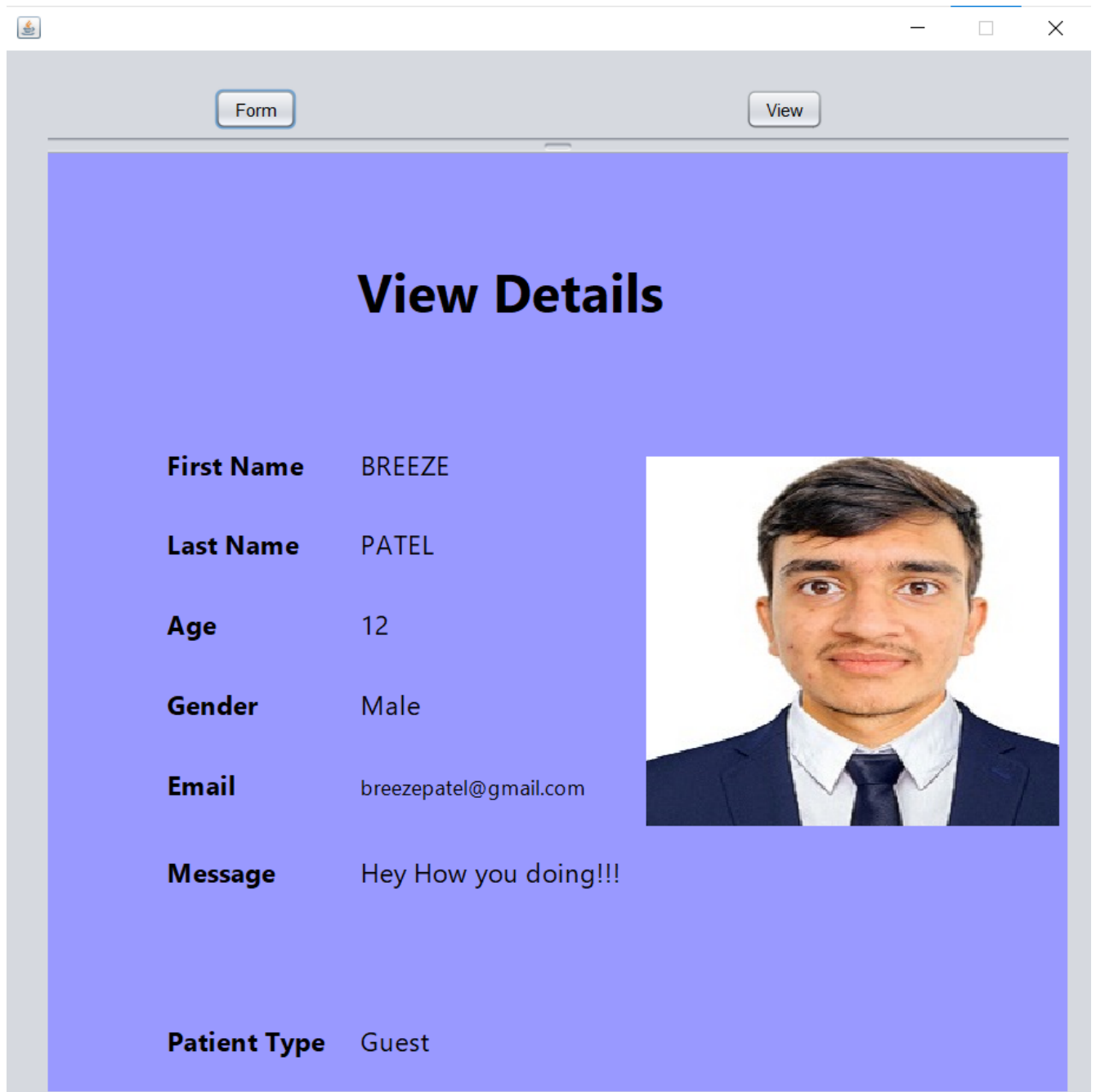
Fig 3: Validation and error msg shown in JLabel next to the Text box



A screenshot of a web browser window displaying a "Patient Registration" form. The form is set against a light red background and is enclosed in a grey border. At the top of the form area, there are two buttons: "Form" and "View". The form fields are as follows: "First Name" with the value "BREEZE", "Last Name" with "PATEL", "Age" with "12", "Gender" with radio buttons for "Male" (selected), "Female", and "Prefer not to say", "Email" with "breezepatel@gmail.com", and "Message" with a text area containing "Hey How you doing!!!". Below these is a "Patient Type" dropdown menu currently showing "Guest". At the bottom left, there is a file input field showing "Passport size photo.jpg" and an "Upload" button. A large blue "Submit" button is located at the bottom right of the form.

Field	Value
First Name	BREEZE
Last Name	PATEL
Age	12
Gender	Male
Email	breezepatel@gmail.com
Message	Hey How you doing!!!
Patient Type	Guest
Passport size photo.jpg	Upload
Submit	Submit

Fig 4: Details fill in the form



The screenshot shows a web application window with a title bar containing a small icon, a minus sign, a maximize button, and a close button. Inside the window, there are two buttons at the top: 'Form' and 'View'. The main content area has a light blue background and is titled 'View Details' in large, bold, black text. Below the title, there is a table of patient details. To the right of the table is a portrait photo of a man with dark hair, wearing a dark suit, white shirt, and dark tie. The table contains the following information:

First Name	BREEZE
Last Name	PATEL
Age	12
Gender	Male
Email	breezepatel@gmail.com
Message	Hey How you doing!!!
Patient Type	Guest

Fig 5: ViewPanel (Displaying all the details)

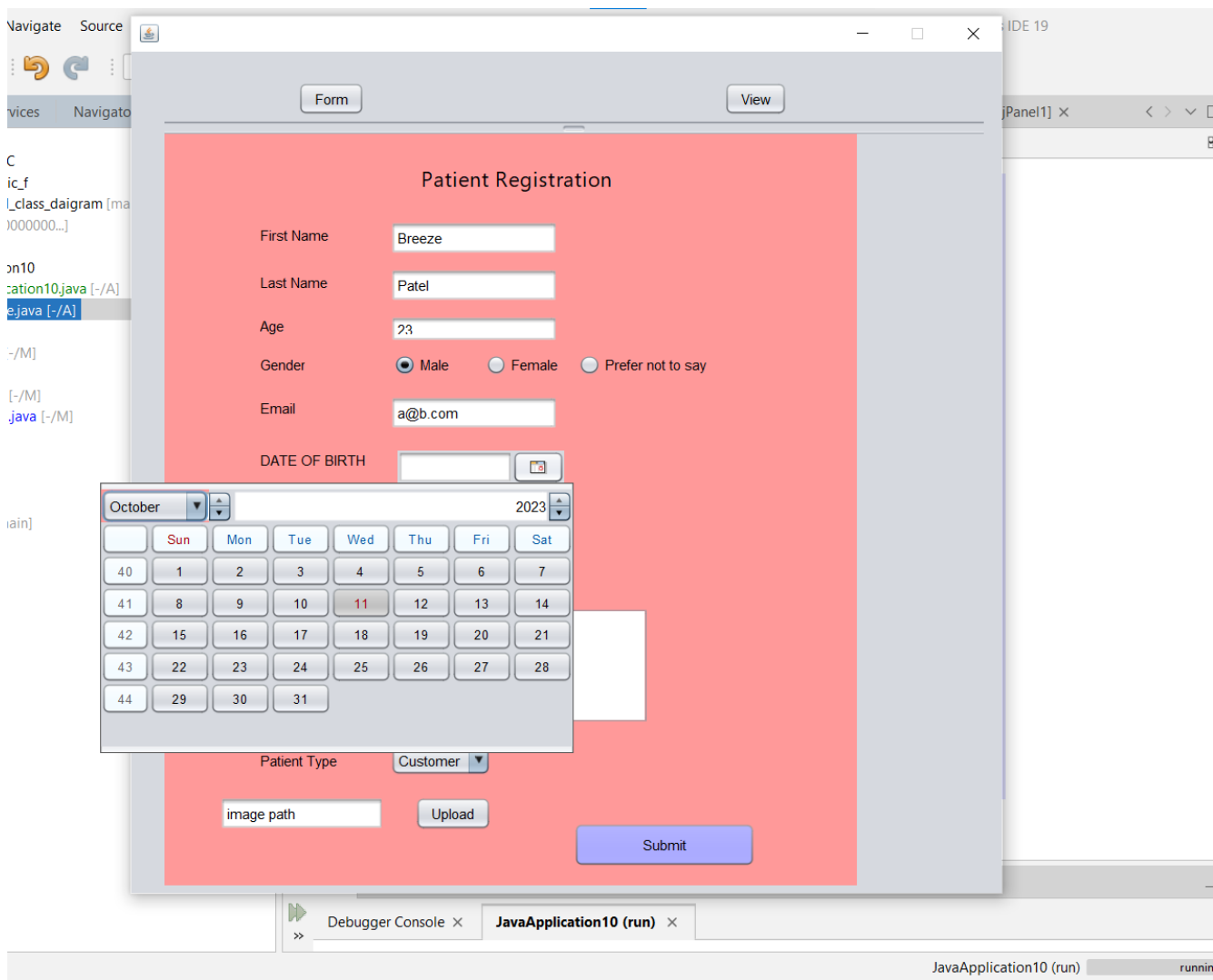
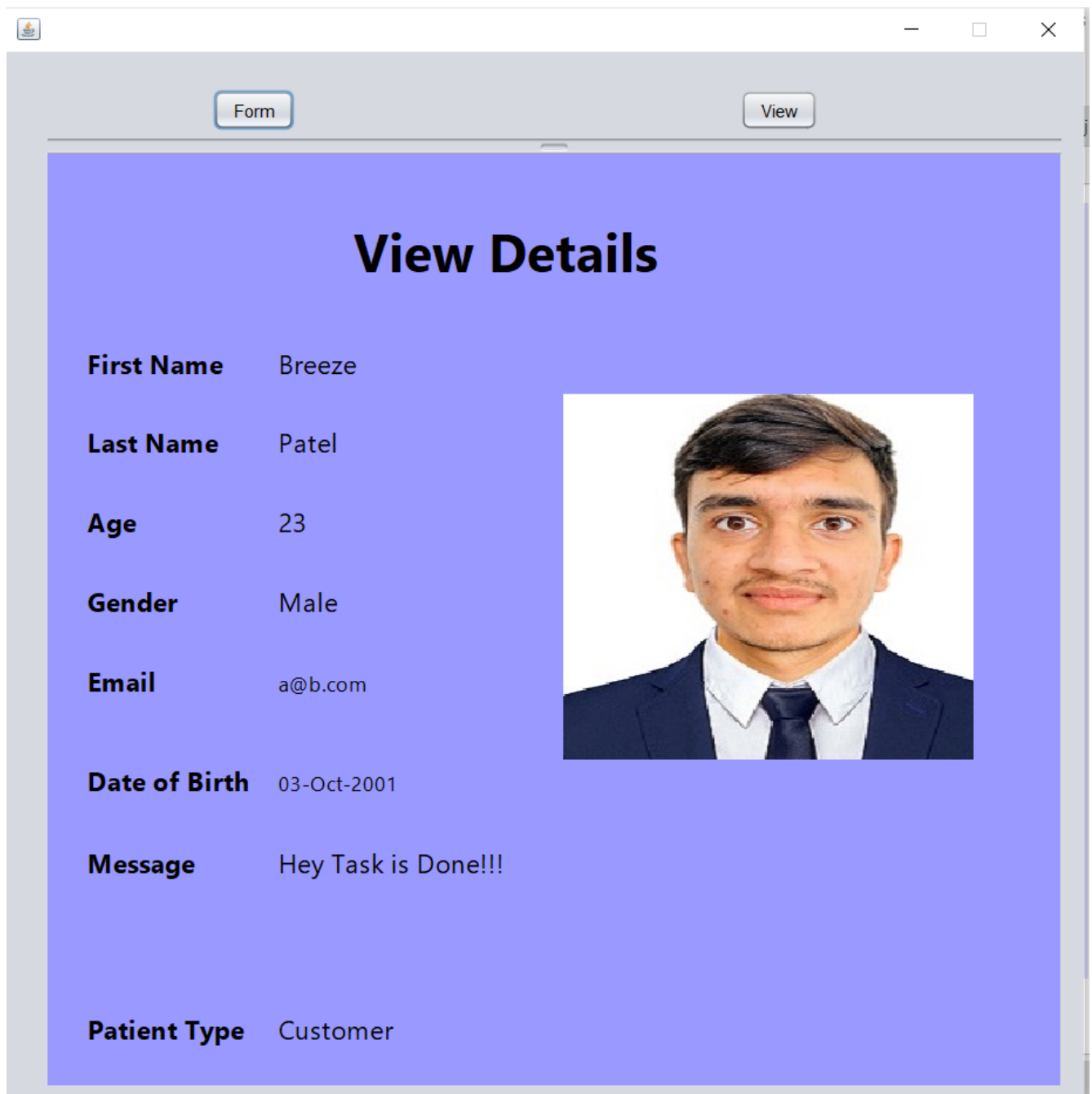


Fig 6: Date Chooser Picker



The screenshot shows a Java Swing window with a title bar containing a small icon and standard window controls (minimize, maximize, close). Inside the window, there are two buttons at the top: 'Form' and 'View'. The main content area has a light blue background and is titled 'View Details' in a large, bold, black font. Below the title, there is a list of fields and their values:

First Name	Breeze
Last Name	Patel
Age	23
Gender	Male
Email	a@b.com
Date of Birth	03-Oct-2001
Message	Hey Task is Done!!!
Patient Type	Customer

To the right of the text fields is a portrait photograph of a man with dark hair, a mustache, and a slight smile, wearing a dark suit, white shirt, and dark tie.

Fig 7: Date of Birth field added

Conclusion:

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

- Java Swing concepts (JSplitpane, Image display, etc).
- Capture input and store it into model class and objects.
- Set up data flow between panels and pass required data/lists.
- Learn panel switching and data display from model input.