Criterion B: Design Overview

Interface Sketches:

Using Java swing, create 3 separate JFrames with corresponding JPanels and JLabels. Will use JTextFields and JButtons to collect information from the user.
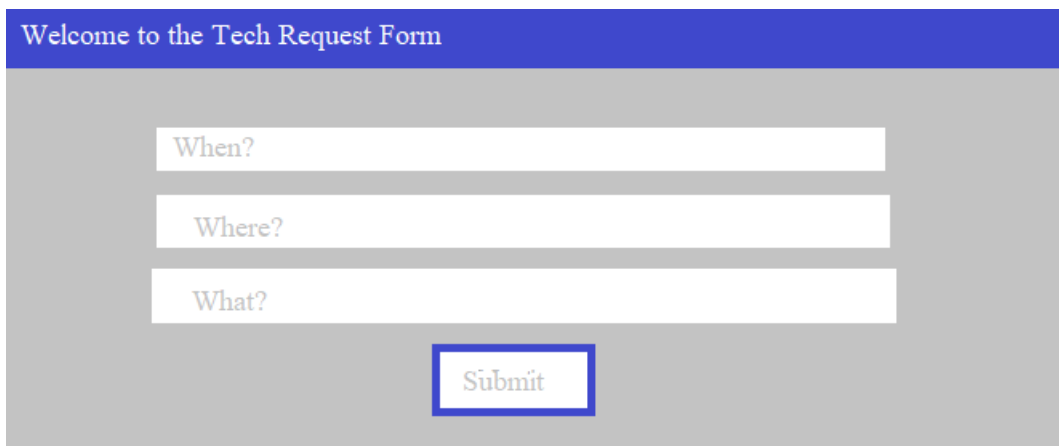

Welcome to the Tech Request Form

Name

Email

Next
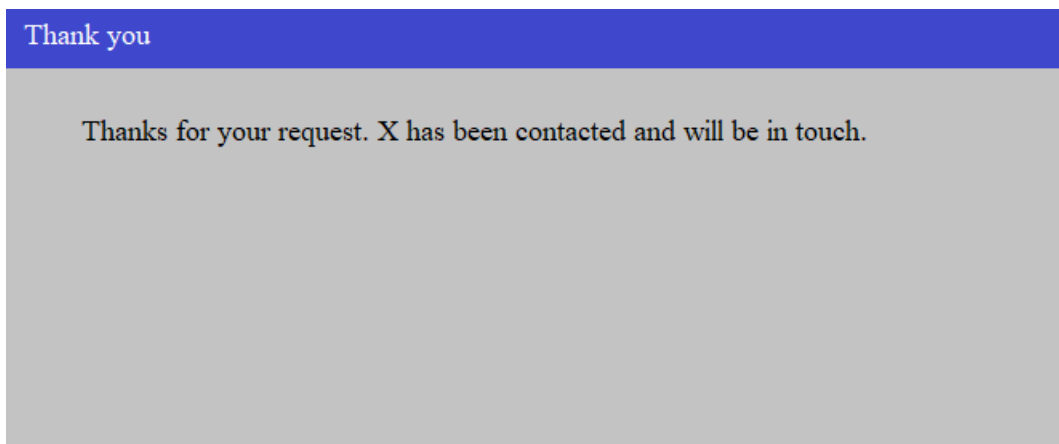
Welcome to the Tech Request Form

When?

Where?

What?

Submit

Thank you

Thanks for your request. X has been contacted and will be in touch.

Input Data

| |
|---|
| A tech requester's name, a tech requester's email, what they want done, when they want it done, where they want it done |
| Ex.
 Name: Anna
 Contact: annabanana@gmail.com
 Where: Student Center
 When: Friday at 10 PM
 What: Senior party
 |
| Limitations:
 • JTextfields are only 30 columns long, so there is a visible character limit.
 • All values must be filled for the program to actually be effective. |

Output Data

The output will be a confirmation message, thanking user for their request, and then stating that the assigned techie (assigned by the program based on their request) will be in touch with them. Techies specialize in certain tasks – i.e., parties, cafes, movie showings. Techies are thus assigned by finding corresponding keywords in the "what" JTextField.
Ex.   Thanks for your request! Joe will be in touch with you.   [Keyword "party" is assigned to techie Joe]

Test Plan

Action	Procedure and Result
Test whether the first JFrame appears	Run in intellij
Test whether buttons are functional	Run in intellij, fill out the form, and press the button.
Test whether the program is recording the form so far	Create a recording class, System.out.println(recording), then run in intellij to see if it outputs what I wrote in the form.
Testing whether the actionlistener on my buttons work	Run in intellij, fill out the form, press the next button, and see if the next JFrame I wrote appears.
Test whether the program can appropriately assign techies	Run in intellij, and fill out form with varying keywords, add System.out.println(assignedtechie); to if statement, press submit, and see if it refers me to the correct techie.

Test whether the program can send emails	Run in intellij and fill out the form using a personal dummy email.
Test whether the program exits on close.	Click the exit button and ensure the windows close.

Process Layout (Main Class)
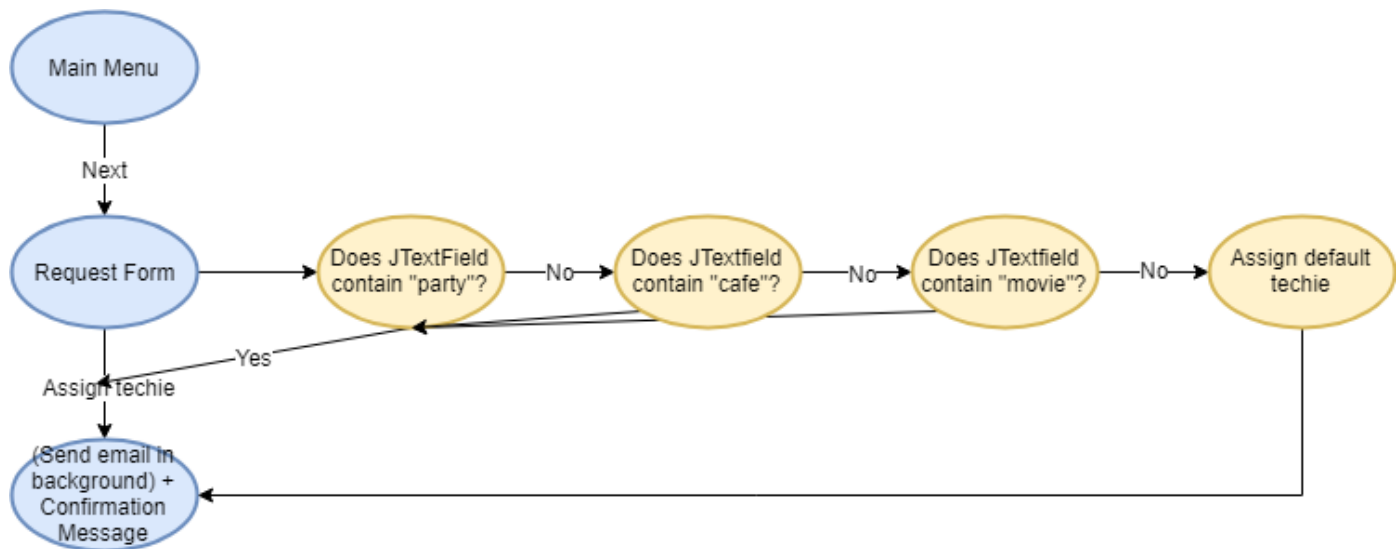
Process Layout (Email Sending Class)