Visual Programming Assignment 2 (Individual)
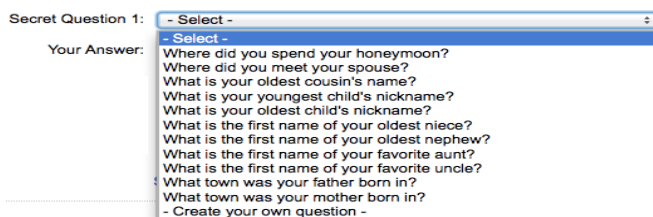
Deadline: Monday 16/5

Description of the assignment:

General idea:

In this assignment, you are required to make a GUI desktop application using Java Swing in which you will be developing a registration form along with a home panel that contains your name, email, password, birthdate, gender, secret question, and your country. Clicking on "register" button will go to a login panel that will show your previously written email and password in text fields. Finally, clicking on "login" button displays all of your data on a home panel (e.g. your name is **Java**, you were born in **1/1/1995**, chosen secret question: …, etc.) and at the end of this panel there is a button to export all of this information as a PDF file.
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The requirements:

- **First/Last Name**
- **Mail**
- **Password**
- **Birthdate**
- **Gender**
- **Country**
- **Secret question like this**

- **Export PDF File**
- **Title for each panel**

Design:

1) Label for your first name along with a text field.

2) Label for your last name along with a text field.

3) Label for your email along with a text field.

4) Label for your password along with a password field.

5) Choose your birthdate using a JDatePicker.

6) JRadioButton for gender.

7) JComboBox for country "Make 5 items at least".

8) JComboBox for your secret question along with a text field for the answer.

9) After registration panel make an action to move to login panel that contains two fields (your email & your password that you have previously written in the registration panel).

10) Last panel (home panel) is for displaying the data that have been written on registration panel.

11) Home panel will also include a Button that has an action of exporting a PDF file with all the data that were previously written on the registration panel.

12) You have to make validation for all elements by preventing the user from navigating between panels if any of the fields is empty.

13) Your application will only use **one** JFrame along with **three** panels (Registration – Login - Home)

14) You should make a welcome screen that appears before the registration panel by using a **thread**, you can learn about threads from here as you have to understand every single concept that will help in your discussion.

   • https://www.youtube.com/watch?v=ieZii7sOibg

   • https://www.youtube.com/watch?v=aAUvv7Rp49Q

   • https://www.youtube.com/watch?v=2nZ_lxoUlyY

   • https://www.youtube.com/watch?v=_RWqRCrHkhE

   • https://www.youtube.com/watch?v=eD8nFHwMGGE

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Guidelines:

→ The assignment should be implemented using **NetBeans**.

→ This is an **INDIVIDUAL** assignment. Cheating cases will lead to taking -1 as a grade.

→ This assignment is worth 5%

→ Deadline for the assignment to be submitted: Saturday 13/5

→ There will be an individual discussion on your task in your lab (14/5) & (15/5) about your assignment, so please bring the laptop with you.