PDMS Windows Forms Documentation

For designing the user interface (UI) the Windows Form was used. We first created different forms which correspond to the different options our application should have and then they were linked by the use of buttons and changing or adding some parts to the code. Each panel contains a different design and different elements. For having a clear understanding of each of them, it is better to have a deeply look at each of them.

Written in cursive one will find the names assigned to the different labels, textboxes, buttons, panels and forms so that people working with this project as a basis know how to handle with the code and the names used in it.

1. **Login Window:**

Consists on:

* A form called ‘*Login’* (with a background picture) which consists on:
  + A vertical panel called *‘panel1’* centred horizontally in the form with:
    - 4 labels: for the Welcome: ‘*Welcome’,* for the User*: ‘label2’,* for the Password*: ‘Password’ and* for the or connect with*: ‘label4’.*
    - 2 textboxes: *‘Username’* and *‘PasswordEnter’.*
    - 3 buttons*: ‘Login\_button’, ‘E-Card\_button’* and *‘IDCard\_button’.*

1. **Main Window (with Vertical Menu):**

Consists on:

* A form called ‘*Form1’* (with the same background picture)which consists on:
  + One panel called ‘*ContainerPanel’* with the same background picture as the login window.
  + Another panel called *‘VerticalMenu’* docked to the left side of the form with:
    - 4 buttons: for Patient Information: *‘button1’*, for Create Patient: *‘button2’,* for Search Patient: *‘button3’,* for Create User: *‘button4’.*
    - 1 picture box: *‘pictureBox1’* for opening and closing the vertical menu.

1. **Patient Information Window:**

Consists on:

* A form called *‘PatientInfo’* (with the same background picture)which consists on:
  + One panel centred horizontally in the form called *‘panel1’* with:
    - 8 textboxes: for the Name: ‘*textBox1’*, for the Surname*: ‘textBox7’*, forthe Date of Birth: *’textBox11’,* for the Social Security Number: *’textBox10’,* for the Gender: *’textBox6’,* for the Medication*: ‘textBox9’,* for the Height: ‘*textBox3’* and for the Weight: *‘textBox2’.*
    - *8 labels:* for the Name*: ‘label1’,* for the Surname*: ‘label6’,* for the Date of Birth: *‘label5’*, for the Social Security Number*: ‘label4’,* for the Gender: *‘label2’*, for the Medication*: ‘label3’,* for the height: ‘*label7’* andfor the weight: *‘label8’*.
    - 2 buttons: Edit button: *‘button1’* and ECG button: *‘button2’*.

1. **Create Patient Window:**

Consists on:

* A form called *‘CreatePatient’* (with the same background picture) which consists on:
  + A panel centred horizontally in the form called *‘panel1’* with:
    - 9 textboxes: for the Name: *‘textBox\_name’*, for the Surname: *‘textBox\_surname’*, for the Date of Birth: *‘textBox\_dateofbirth’*, for the gender: *‘textBox\_gender’,* for the medication: ‘*textBox\_medicatio*n’, for the social security number: *‘textBox\_socialsecum’*, for the weight: *‘textBox\_weight’*, for the height*: ‘textBox\_height’* and for the E-Card Number: *‘textBox\_ecardnumber’.*
    - 9 labels: for the Name: *‘label1’*, for the Surname: ‘label6’ , for the Date of Birth: *‘label5’*, for the gender: *‘label2’*, for the medication: *‘label3’*, for the social security number: *‘label4’*, for the height: ‘*label7’*, for the weight: *‘label8’* and for the E-Card Number: ‘*label9’*
    - 3 buttons: for Auto-Fill with E-Card: *‘button1’*, for Add ECG File: ‘*button3’* and for Save: *‘button2’.*

1. **Search Patient Window:**

Consists on:

* A form called ‘SearchPatient’ (with the same background picture) which consists on:
  + A list box centred horizontally and vertically in the form called *‘listBox1’* with:
    - 2 buttons: for loading Patient Information: *‘button1’* and for searching Patient Name: ‘btn\_search’.
    - 1 text box: for searching patient name: *‘txt\_search’*.
    - 1 label: for status of findings under the name searched: *‘label1’*.

1. **Create User Window:**

Consists on:

* A form called ‘CreateUser’ (with the same background picture) which consists on:
  + A panel centred horizontally and vertically in the form called *‘panel1’* with:
    - 8 labels: for Name: *‘label1’*, for Surname: *‘label6’*, for Date of Birth: ‘*label5’,* for Username: ‘*label2’*, for Password: ‘*label9’,* for E-Card Number: ‘*label8’*, for ID-Card Number: *‘label7’,* for Role: *‘label4’.*
    - 8 textboxes: for the Name: ‘*textBox\_name’*, for the Surname*: ‘textBox\_surname’*, forthe Date of Birth: *’textBox\_dateofbirth’,* for the Username: *’textBox\_username’,* for the Password: *’textBox\_password’,* for the E-card Number: *‘textbox\_ecardnumber’,* for the ID-Card Number*: ‘textBox\_idcardnumber’**and* for the Role: ‘*textBox\_role’.*
    - 1 button: for Create User: *‘button1’*

1. **ECG Window:**

Consists on:

- A form called ‘ECG’ (with the same background picture) which consists on:

* + A panel centred horizontally and vertically in the form called *‘panel2’* with:
* 4 labels: for Patient’s ECGs: *‘label1’*, for Channels: *‘label3’*, for Start Time: *‘label2’*, for End Time: ‘*label4’.*
* 3 textboxes: for the Channels: ‘*textBox2’*, for the Start Time*: ‘textBox5’*, forthe End Time: *’textBox1’.*
* 1 button: Display ECG: *‘button1’.*
* 1 combobox: Patient’s ECGs: *‘comboBox1’*

**Youtube Videos Links:**

For linking all the forms and to do the vertical menu as well as the search patient list box we used:

1. <https://www.youtube.com/watch?v=y1jftnTaTXU>
2. <https://www.youtube.com/watch?v=vQrADCBPoGk>
3. <https://www.youtube.com/watch?v=iVzZyerZh48>
4. <https://www.youtube.com/watch?v=eCSbUCL4teE>
5. <https://www.youtube.com/watch?v=3ni0V-l3Auw>
6. <https://www.youtube.com/watch?v=Q0g_9rieG8g>
7. <https://www.youtube.com/watch?v=Z7TfV7LZzp4>