

## Database Class – The 6<sup>th</sup> Homework

Deadline: 2022-05-20 23:59

In this assignment, you have to create two forms via **Tkinter** in python:

1. **Login Form**
2. **Signup Form**

**Login Form:** This form includes the below widgets:

- “Email” Input(**Entry**)
- “Password” Input(**Entry**)
- “Login” Button(**Button**)

Furthermore, the Login button triggers “**LoginButtonOnClick**” function.

These steps should be implemented in “**LoginButtonOnClick**” function:

1. Email field should be a valid email (contains ‘@’ and ‘.’).
2. Password should be at least 10 characters.
3. If step 1 and 2 has been passed, a **messagebox** should be displayed with “Logged” message.
4. If step 1 and 2 hasn’t been passed, a **messagebox** should be displayed with “Error” message.

**Signup Form:** This form contains the below widgets:

- “Full Name” Input(**Entry**)
- “Email” Input(**Entry**)
- “Password” Input(**Entry**)
- “Password Confirmation” Input(**Entry**)
- “Being Agree to Term of service” Checkbox(**Checkbox**)
- “Signup” Button(**Button**)

Moreover, the Signup button calls “**SignupButtonOnClick**” function.

These steps should be implemented in “**SignupButtonOnClick**” function:

1. Email field should be a valid email (contains ‘@’ and ‘.’).
2. Full Name field should be filled.
3. Password should be at least 10 characters and be the same as Password Confirmation Field.
4. Being Agree to Term of service should be selected.
3. If step 1 to 3 has been passed, a **messagebox** should be displayed with a “Signed up” message.
4. If step 1 to 3 hasn’t been passed, a **messagebox** should be displayed with “Error” message.

**Grading:** You will be graded on these criteria:

- Functionality: 20%
- Design: 80%
- Innovative Design: + 10% (extra score)

**How to send your solution:** compose (RAR or ZIP) your solution file(s) and send it to the below email with “DB-HW6-(YOUR\_STUDENT\_NUMBER)” subject before the deadline.

**[omid.orh@gmail.com](mailto:omid.orh@gmail.com)**

If you have any problem with the assignment, you could contact me **anytime** using the email that has been mentioned.