Login Form

1. UI Requirement
- 1 TextBox Username
- 1 TextBox Password
- 1 Login Button
- 1 Signup Button

2. Behaviour
```
If Signup Button is clicked
     Display Signup screen

If TextBox Username is empty
     Disable Login Button
Else
     If Enter Key is pressed or Login Button is clicked
          If Username is exist in database
               If Password is valid
                    If Password is empty
                         Ask user to set up password
                    Determine User's role
                    Display User's dashboard based on User's role
               Else
                    Display Message "Login failed"
          Else
               Display Message "Login failed"
```

Signup Form

1. UI Requirement
- 1 TextBox Username
- 1 TextBox Password
- 1 TextBox Re-enter Password
- 1 ComboBox Role
- 1 TextBox ID
- 1 Create Button
- 1 Cancel Button

2. Behaviour
```
If Cancel Button is clicked
     Close Signup Form

ComboBox Role load data from RoleForSignup table in Database
Display member of ComboBox Role is "description"
Value member of ComboBox Role is "roleID"
ComboBox Role have default value 2 - Student

All TextBoxs must be filled, if not
     Disable Create Button
Else
```

```
If Enter Key is pressed or Create Button is clicked
        Check whether Username is exist in Database, if not
                Check whether Password and Re-enter Password is the same, if not
                        Display Message "Passwords didn't match. Try again."
                Else
                        Check whether ID is exist in Database, if not
                                Display Message "ID does not exist"
                        Else
                                Write Username, Password, Role to table User
                                If Role is Student
                                        Write Username, ID to table StudentUser
                                Else
                                        Write Username, ID to table TeacherUser
        Else
                Display Message "Username already exist. Try other Username."
```

Dashboard for Teacher and Student

1. UI requirement
- 1 Take Quiz Button
- 1 User's Profile Button
- 1 Practice Button
- 1 Contribute Question Button
- 1 Question Management Button
- 1 Quiz Management Button
- 1 Exam Management Button
- 1 Student Management Button
2. Behaviour
If User's role is Student
        Make all Management Buttons invisible
Press Button will open corresponding Form