LAB

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CLASS :   BSCS 5th

SUBJECT : Software Engineering

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Business Requirements

A student administration form is required for a university through which user will register his/herself for the upcoming admission tests. Upon registration the user will be given payment detail along side other details such as date of test. Each user must have a profile via which the university management staff can check who have applied for registration or whether they completed the form or not. The system must be efficient enough to let the user resume the registration process from where he left of if for some reason he/she couldn't complete the process.

The flow of registration process is as follows

1. The user is asked to sign up for an account. Creating of this account doesn't ensures successful registration it's just a mean of keep track of students willing to apply.
2. User is then taken to login form where he/she login to the system using the username/email and password entered during the signup process.
3. User is shown a new form asking all the information regarding personal information, government official documents and education information. These three types of information may scale to different forms if necessary.
4. Upon successful registration, user is show payment and test date and place details alongside any announcements or other information containing links to other pages.

Criteria of successful registration is a follows

1. All required fields have been filled with correct data
2. All data related to user official documents such as Name,Address,CNIC,phone have been entered and verified.
3. All data related to user education information have been entered.
4. A verification link has been accepted sent to user's email upon completing registration.

User Requirements

- Signup for an account
- Login to an existing account
- Input government documents information such as CNIC (can't be modified once verified)
- Upload profile picture to be used in student cards
- Customize personal and education information
- Submit details
- View payment details
- View announcements
- View data and time for test
- Contact Support via email or call for any querry
- Auto logout on successful registration

Login Form Functional Requirements

FR01-01	System shall allow user to enter username or email which he entered during sign Up
FR01-02	System shall allow user to enter password
FR01-03	System shall validate entered credentials
FR01-04	System shall notify if wrong username/email or password is entered via a flash message
FR01-05	System shall allow user to recover password with a "FORGET PASSWORD ?" button
FR01-06	System shall allow to clear the field with a "RESET" button
FR01-07	System shall allow user to signup if user doesn't have an account which takes it sign Up Page
FR01-08	System should email the user when he logins for security concerns

Registration Form Functional Requirements

FR02-01	System shall allow user to enter first name
FR02-02	System shall allow user to enter last name
FR02-03	System shall allow user to enter father name
FR02-04	System should allow the user to enter blood group
FR02-05	System shall allow user to upload passport size photo
FR02-06	System shall allow user to enter user CNIC
FR02-07	System shall allow user to enter Father CNIC
FR01-08	System should validate CINC to be in correct format
FR02-09	System should allow to enter School name from where user completed Matriculation/Intermediate or O/A Levels
FR02-10	System should allow to enter Matriculation/Intermediate marks or O/A Levels marks
FR02-11	System should deduct the predefined percentage marks for O/A Levels students
FR02-12	System should check if any required field is missing upon submitting and prompt an error message if any field is missing
FR02-13	System should validate application submission via email link
FR02-14	System should show payment details or test data and place upon successful application submission and prompting a congratulation message