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**Software Engineering  
Lab Assignment**

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**Business requirements:**

The project aims to create applicant’s registration, with full details necessary to register the data in the database of the admission applicants.

They (the applicant’s) must be able to login from a page that contains the necessary links like: program fee details, eligibility criteria, university contact info and admission schedule.

Applicants’ admission status page and notifications regarding the updates relating to admission. Admission application forms (for national/international candidates) management.

**User requirements:**

1. Login page
2. If (!valid user || new user)  
   -> Registration page
3. Home page  
   -> Applicant admission status  
   -> Notifications  
   ->Forms  
    i) National students  
    ii) International students

**Functional requirements for Login page:**

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| **FR 1.01** | “Login user-id” box (validating the input id format.) |
| **FR 1.02** | “Login password” box (validating the correct format of password – i.e. making sure password’s length, password should contain both upper and lower case letters, password should contain numeric values.) |
| **FR 1.03** | An email indicating the successful registration is sent automatically to the successful registered email-id. |
| **FR 1.04** | “Sign-in” click box. |
| **FR 1.05** | “Forgot password” click box. |
| **FR 1.06** | “Sign-up” redirecting link box. |
| **FR 1.07** | “Program fee details” redirecting link box |
| **FR 1.08** | **“**Eligibility criteria” redirecting link box |
| **FR 1.09** | “University contact info” redirecting link box |
| **FR 1.10** | “University admission schedule” redirecting link box |

**Functional requirements for Registration page:**

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| **FR 2.01** | “Applicant’s name” box (validating only alphabet characters to be entered.) |
| **FR 2.02** | “Applicant’s CNIC/B-form” box (validating only numeric characters to be entered.) |
| **FR 2.03** | “Applicant’s date of birth” box (validating only numeric data to be entered and the proper format used to enter date.) |
| **FR 2.04** | “Applicant’s Fathers’ name” box (validating only alphabet characters are to be entered.) |
| **FR 2.05** | “Applicant’s Gender” check box (only one of the following should be chosen: Male; Female: Not specified.) |
| **FR 2.06** | “Applicant’s email address” box (validating the proper email format.) |
| **FR 2.07** | “Applicant’s confirm email address” box (validating the proper email format and matching it with the previous email id entered for registration.) |

**Functional requirements for Home page:**

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| **FR 3.01** | “Applicant Status” click box (refreshing the page on click with the details of the candidate and status of the applicant – i.e. ‘student admitted’ or ‘student not admitted’ or ‘awaiting merit list’.) |
| **FR 3.02** | “Notifications” click box (opening a new page with universities notifications regarding admission test dates, test results, and related updates regarding admissions with dates and time mentioned.) |
| **FR 3.03** | “Forms” click box (a menu drops down from the click box with the following options: ‘For national students’ & ‘For international students’. Selecting any one of the following redirects to the respective form page.) |