

Chapter 4

System Analysis

4.1 Design Pseudocode or Algorithm for Method or Operation

4.1.1 Client/User Module

4.1.1.1 Login Page

Step1: User first need to provide Username and Password.

Step 2: Entered Username and Password will be checked with that data stored in signup table of database project if match found then the user will be redirected to home page.

Step 3: If match not found then Account not found or Incorrect username or password message would be shown to user.

Step 4: If user don't have account, then they would go to Sign up page.

Step 5: If they don't remember their, they can go to Forgot password page.

4.1.1.2 Sign Up Page

Step 1: User inputs are as follows

- Username
- Phone number
- Email address
- Password
- Address

Step 2: Entered details will be stored in table signup of database project.

Step 3: Redirect User to Home page.

4.1.1.3 Forgot password Page

Step 1: User inputs are as follows

- Email Address
- New Password
- Retype Password

Step 2: Entered Email address will be checked in database if the match then password would be successfully change else password will not change.

Step 3: After password changed successfully user will be redirected to login page.

4.1.1.4 Home Page

Step 1: Navbar and footer included using include action of java sever page.

Step 2: This page will contain some interactive images.

Step 3: In this page under interactive image there are Purpose, Vision and Mission using the help of bootstrap card, their sliding is done through API called data animate on scroll.

4.1.1.5 Scholarship Page

Step 1: Each Scholarships are visible using Bootstrap cards and their and details of each Scholarships is displayed from database.

Step 2: As soon as user click to apply then the user redirect to the application form.

4.1.1.6 Application Form Page

Step 1: User inputs are as follows

- Name
- Email
- Phone Number
- Scholarship Name

Step 2: Entered details will be stored in table form of database project.

Step 3: Redirect User to Dashboard.

4.1.1.7 Scholarship Details Page

Step 1: This page will contain interactive image.

Step 2: Also, this page contains all details about Scholarships and Scholarships FAQs.

4.1.1.8 Contact-Us Page

Step 1: There is one query form which is created by help of mdbootstrap form and to submit query following inputs are taken.

- Name
- Email
- Mobile
- Subject
- Query

Step 2: There are information about contact us. which includes address, phone number, website, email.

4.1.1.9 Dashboard

Step 1: After user has applied application form its details are stored in form table and all details are fetched from form table and display here using bootstrap table.

Step 2: On clicking the delete button beside the scholarship the respective data will be deleted from form table.

4.1.2 Admin Module

4.1.2.1 Login Page

Step 1: Admin input are as follows:

- Username
- Password

Step 2: If Username and Password matches with admin and admin respectively then only admin will be permissible to enter admin module. Else not permissible.

4.1.2.2 Home Page

Step 1: After user has applied application form its details are stored in form table and all details are fetched from form table and display here using bootstrap table.

Step 2: Admin Can Approve or Decline the user request for the scholarship.

Step 3: Button of type submit is taken for approve and decline and their value for name attributes are vall and valls respectively.

Step 4: If the received value is vall then status for user scholarship will be shown as approved else declined.

4.1.2.3 Add Scholarship Page

Step 1: To add Scholarships following details are taken from admin:

- Scholarship Name
- Eligibility
- Documents
- Steps

Step 2: Entered values will be added to scholarship table.

4.1.2.4 Modify Scholarship Page

Step 1: To modify Scholarships following details are taken from admin:

- Scholarship Id
- Dropdown list for
 - Name
 - Eligibility
 - Documents
 - Steps
- Modified Data

Step 2: First Scholarship id will be matched from database if it matches than the selected data will be modified.

4.1.2.5 View Scholarship Page

Step 1: Bootstrap Card are used to show Scholarships.

4.1.2.6 Delete Scholarship Page

Step 1: Bootstrap Card are used to show Scholarships.

Step 2: All the Scholarships will be visible to admin and also delete button is given to delete particular scholarship. So that scholarship will be deleted form table scholarship of database project.

4.2 Flow Chart Diagram

