Web Technology - Worksheet 12
Course Work -Project

Project

Develop a dynamic web application for your chosen topic. A sample project submission report is available for your reference. Based on that, students can assess the required depth and level of their coursework project. You should host your site using any free hosting service, and include the web URL, login details of the web application, hosting service login credentials, database access password, etc., in your report.

Aim

For this assignment, your goal is to develop a dynamic web application customized for your selected topic. This project will assess your web development expertise while also stimulating creative and critical thinking about user experience and functionality. Your task is to design a web application with a specific purpose tied to your chosen topic, making sure it is dynamic and user-friendly.

Report Submission

<< inform you soon>>

Submission Date :On or before 30th Novemeber 2024

Assignment weight :<<...>>

Evaluation Criteria

Attractive   -15 Marks

Functionality -25 Mark

Reference   -10 Marks   ← *use only technologies and citations*

Guidelines for the report prepairing

Paper: A4

Margins: 1.5" left, 1" right, top and bottom

Page numbers: bottom, right

Line spacing 1.5

Font style: Times New Roman

Headings size: 14pt, Bold

Normal size: 12pt

Referencing and in-text citation should be done strictly using Harvard Referencing System.

Cover page and rport content should be as below.

SLTC
Research University

Sri Lanka Technology Campus (SLTC)
Degree in Applied IT
Batch-2023

Course Work
<<Project Title>>

<<Subject Code & Title>>

<<Name>>
<<Reg. No>>

Project: Student Course Management System

This project would allow students to view available courses, register for them, view their grades, and manage their profiles.

Web URL : www.scms.co.com

User Account & password:

Web logins
Username:Admin
Password: Abcd@2024

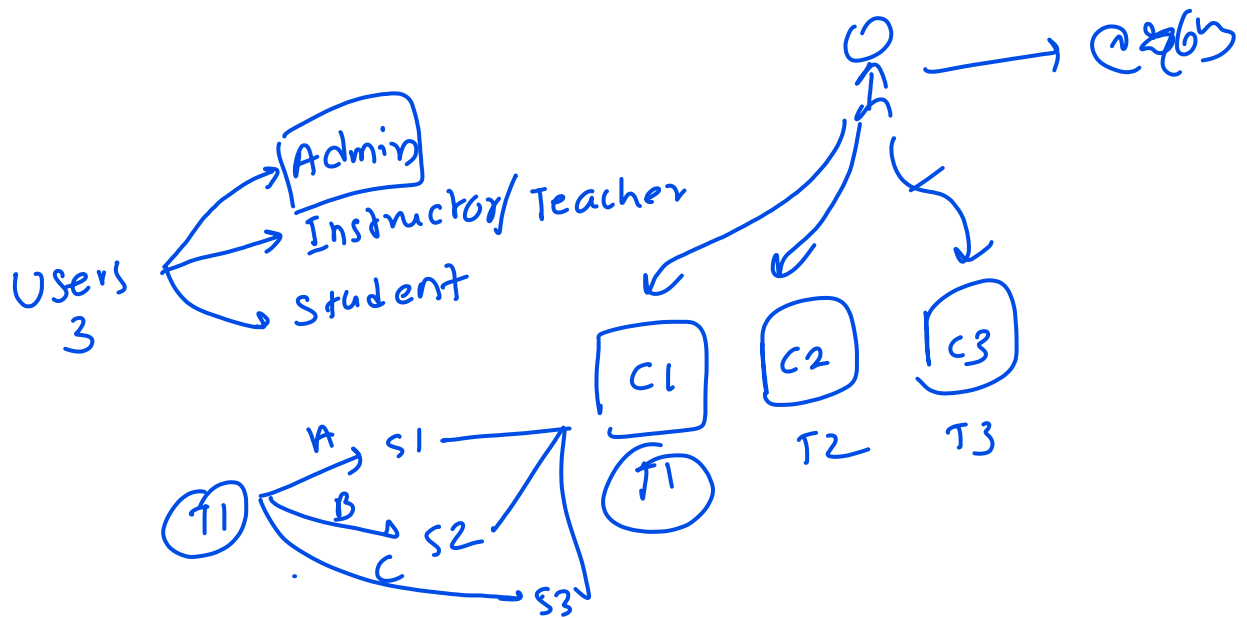### Hosting logins
Username:
Password:

Database
name:
Password:

1. Frontend

- **HTML/CSS/JavaScript:** Used for the layout, styling, and interaction of the website.
- **Bootstrap or Tailwind CSS**: For responsive design and pre-built components.
- **Dynamic pages**: Use JavaScript to update content dynamically without reloading the page.

2. Backend

- **Server-Side Language**:
  - PHP for server logic.
- **Database**:
  - **MySQL** for storing student details, courses, and grades.

3. Features

(handwritten: 2 components)

1. **Home Page**:
   - Displays (available) courses, and recent (announcements) for students. *(handwritten: Only students, 3 users)*
2. **User Authentication**:
   - **Login/Signup functionality** (students, teachers, admins).
   - Password encryption for security.
3. **Student Dashboard**: *(handwritten: 3 components)*
   - Displays enrolled courses, personal information, and current grades.
   - Option to update the profile.
4. **Course Catalog**:
   - List of courses with filters (category, credits, instructors). *(handwritten: Filtering Options)*
   - Students can select and register for courses.
5. **Admin Panel**:
   - Allows administrators to add/edit courses, manage students, and view student performance. *(handwritten: CRUD, CRUD, view)*
6. **Teacher Panel**:
   - Instructors can view the students registered for their courses, and assign grades.
7. **Grade System**:
   - Instructors can assign grades to students in their courses.
   - Students can view their grades.

(handwritten: Instructor → Assign, Students → View)

(handwritten: c1→, c2→, c3→)

(handwritten: A B C)

Report End.

Sample Page Structure:

- **Home Page:** Lists featured courses, and links to other sections.
- **Login/Register Page:** User authentication.
- **Student Dashboard:** Overview of enrolled courses and grades.
- **Course List Page:** Shows all available courses with a registration button.
- **Admin Dashboard:** Manage users, courses, and student performance.