IS231 – Web technology
Project phase 1
2023/2024

Instructions

- You are required to form a group of <u>5 or 6 students</u> from the <u>same lab or with the same TA.</u>
- Each team should choose **one** of the following projects and develop it as a web application. Project is divided into 3 phases.
- **Phase 1 deliverable**: build and submit all user-friendly HTML pages for your website. <u>No frameworks are allowed</u>.

- No hard coded values for mentioned attributes, the user should dynamically enter values.
- Add **any needed VALID assumptions, validations and any extra fields** to complete the project requirements.
- Choose the suitable form fields and tags to match the requirements.
- Minimum number of HTML pages is 8 pages.
- Designing the website in a good way will be graded.
- Any cheating project will be graded ZERO.
- ALL TEAM MEMBERS will be discussed.
- Compress project folder to:
    LeaderID_Projectnumber_TAname_phasenumber.zip/.rar - The project folder should include the whole code files and a cover page for student names, IDs, Group number, project name and project number
- Only team leader will submit the project through Google Classroom.
- No late submission will be accepted.
- Ask your TA if you faced any difficulty in understanding the project requirements.

Phase 1 Deadline 20/3/2024

Project 1 (Recipe Finder website)

Recipe finder website aims to help users to connect together, browse recipes and view detailed instructions to follow. The website should have 2 types of users: either an admin or a user. Each can sign up and choose whether to be an admin or user through sign up form.

Admin can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Add new recipes
(**Recipe** includes ID, recipe name, course name can hold one of the following values "appetizers, main course, dessert", ingredients" could have multiple ingredients", description)
Ingredients includes ID, name , quantity
4. View list of available recipes
5. Select a recipe and edit its details
6. Delete an existing recipe.

User can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Search for recipes by dish name or ingredients and results are displayed accordingly.
4. View list of available recipes.
5. Select a recipe and view its instructions in a recipe page.
6. Add recipes to favorites list.
7. View favorites list for that user.

- Recipe finder website should have a **navigation bar**.
- The navigation bar should be adjusted dynamically based on the logged in user.
- The navigation bar should be accessible from all web pages

Project 2 (Online Library website)

Online library website helps the users to view and search for books to borrow. The website should have 2 types of users: either an admin or a user. Each can sign up and choose whether to be an admin or user.

Admin can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Add new books
(Books includes ID, book name, author, category, description)
4. View list of available books.
5. Select a book and edit its details.
6. Delete a book

User can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Search for books by <u>titles</u> or <u>author</u> or <u>category</u> and results are displayed accordingly.
4. View list of available books marked either available or not available in case it is borrowed by a user.
5. Select a book and view its details in a book page.
6. Borrow a book (only applicable in case a book is available).
7. View list of borrowed books for that user.
   return book by user, that borrowed before.

- Online library website should have a **navigation bar**.
- The navigation bar should be adjusted dynamically based on the logged in user.
- The navigation bar should be accessible from all web pages

Project 3(School Task Assignment website):

A simple school task assignment application where admins can add/edit/delete tasks to teachers, teachers can mark them as completed, and interact together.

The website should have 2 types of users: either an admin or a Teacher. Each can sign up and choose whether to be an admin or Teacher.

Admin can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Add new task
(Task includes ID, task title, teacher name, priority can hold one of the following values"low,medium,high", description and created by logged-in admin)
4. View list of created tasks by logged-in admin.
5. Select a task and edit its details.
6. Delete a task

Teacher can:
1. Sign up (fill in form "username, password, confirm password, email and is_admin")
2. Login
3. Search for tasks by priority and results are displayed accordingly.(only tasks assigned for the logged-in teacher).
4. View list of available tasks assigned to logged-in teacher.
5. Select a task and view its details in a task page.
6. Mark a task as completed.
7. View list of completed tasks for that user.

- School task assignment website should have a **navigation bar**.
- The navigation bar should be adjusted dynamically based on the logged in user.
- The navigation bar should be accessible from all web pages

Project 4(Job Search Website):

A simple Job search application where company admin can add/edit/delete job opportunities and users can search/apply on them. The website should have 2 types of users: either a company admin or a user. Each can sign up and choose whether to be a company admin or a user.

Company admin can:
      1. Sign up (fill in form "username, password, confirm password, email and is_company_admin", in case is_company_admin=True then add extra field for company name)
      2. Login
      3. Add new job opportunity
      (Job includes ID, job title, salary, company name, job status can hold one of the following values "open, closed", description and years of experience, created by logged-in admin)
      4. View list of created jobs by admin's company.
      5. Select a job and edit its details.
      6. Delete a job

User can:
      1. Sign up (fill in form "username, password, confirm password, email and is_admin")
      2. Login
      3. Search for tasks by <u>job title or years of experience</u> and results are displayed accordingly.
      4. View list of available jobs.
      5. Select a job and view its details in a job page.
      6. Apply for a job.
      7. View list of applied jobs for that user.

- Job search website should have a **navigation bar**.
- The navigation bar should be adjusted dynamically based on the logged in user.
- The navigation bar should be accessible from all web pages