

Final Project Requirements

CSE 236/ CSE 3100 (Web Programming Sessional)

(Summer 2024)

Throughout the semester, we have learned the fundamentals of web programming such as HTML, CSS, JavaScript, NodeJS, MySQL, and many more. It's time we combine all our skills and create a full-stack project to demonstrate our skills and understanding of the course. Try to pick up a simple project which meets all the requirements.

Project Partition	Project Requirements	Marks
Front End Part	<ul style="list-style-type: none">• A user register system with a link to log in for existing users• A login system with a link to register for new users, error messages for wrong username or password• A logout system• A user should not be able to access your application without a successful login.• Your overall UI design should be pleasant to the eye for a better user experience.• Be mindful of choosing the font, color, element width, etc., for better design.• Use proper HTML input elements (email, text, password, etc.)• Usage of separate JavaScript files for the front-end programming• Clear, understandable, and meaningful variable and function names• Proper comments should be present to describe why the function is used.• Proper indentation (spacing)	30

	<ul style="list-style-type: none"> • Usage of modular utility functions to implement DRY (Do not Repeat Yourself) • Usage of local storage, cookies, etc., for the persistence of data among web pages • Proper error handling (try/catch) • At least 20 git pushes from all the group members to a single repository in GitHub (try to balance each member's contribution) 	
Back End Part	<ul style="list-style-type: none"> • An ER diagram showing the entities of the database and their relationship with each other (mention which of the attributes are primary key, foreign key, etc., data type and cardinality (one-to-one, one-to-many, many-to-many, etc.)) • Must show at least one example of each CRUD operation (CREATE, READ, UPDATE, and DELETE) with the server handler and database queries • Proper error handling • Write the MySQL queries such that SQL injection attacks can be prevented • At least 10 git pushes from all the group members to a single repository in GitHub (try to balance each member's contribution) 	25
Presentation	<ul style="list-style-type: none"> • Present your project with your team members, showing CRUD features that you have developed. • Do not show code in the presentation. • Mention any problem you faced during the development of the project and how you overcame those difficulties • Presentation is 5-10 minutes, no more than 10 minutes for each group 	5

	<ul style="list-style-type: none">• You don't need any formal dress-up or PowerPoint presentation slides• Mention each member's contribution to developing the project	
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