

End-Semester Group Assignment

Each group should develop a web application for a hypothetical case which fulfils the following attributes:

- Multipage HTML5 application that demonstrate components such as forms, select/dropdowns, date/time, and checkboxes
- JavaScript for client-side scripting
- PHP powered server-side scripting
- Both client-side and server-side validation and error-handling
- Usability and UI enhancements with placeholders, instructions, CSS and JavaScript
- A login form with PHP Sessions that facilitates log in and log out
- MySQL database with at least two operational data tables
- At least one page that outputs derived data from database tables
- Locally hosted XAMPP or WAMP server
- Demonstration of adequate application of software engineering best practices

Following will immediately disqualify your Web Application:

- Usage of any kind of web application template or 3rd party web application development software
- Usage of external libraries or software such as JQuery, AngularJS, Bootstrap etc.
- Hosting web application outside localhost (such as cloud/remote or directly accessing resources without the involvement of the web server)
- Merging groups or direct involvement of any 3rd party individual
- Any evidence that indicates the Web Application was developed outside the allocated time (which is 7am to 6pm, Wednesday, February 14, 2018)

Recommendations for successful conduct of the group assignment:

- Simplistic design that fulfils the minimum requirements and demonstrates proof of knowledge - do not try to accommodate real-world requirements or interrelate aspects of the web application, or its data beyond requirement.
- Divide tasks among group members when finding knowledge or solutions (divide and conquer)
- Use Internet generously – or go to a place where you can use Internet as you require but be back at DIM by 4pm.

Evaluation Scheme:

- A common group mark will be given after inspecting the web application.
- An individual mark will be given by evaluating individual experience. The final individual mark is the average of individual mark and group mark. (Maximum attainable is 15 marks)

Evaluation will take place on Wednesday, February 14, 2018 between 4pm and 6pm at the DIM in form of show-and-tell followed by an open discussion.