|  |
| --- |
|  |
| **Al Imam Mohammad Ibn Saud Islamic University**  **College of Computer and Information Sciences**  **Computer Science Department** |
| |  | | --- | | **CS438 – Course Project** | |

|  |  |
| --- | --- |
| **Project Information** | |
| Instructor (email) | aaalbarrak@imamu.edu.sa |
| Student Groups | 3 students by group |
| Project Subjects | projects around content, document, and process management |
| Deadline | 20/3/1440, November 28, 2018 |
|  |
| Deliverables | **Complete Report, Web pages (HTML+CSS+JS+PHP), Database Definition: SQL statement (one text file)** |
|  |
| Submission | Using blackboard (no project files sent by email will be considered) |
| Demonstration | 3/12/2018 |
| Software | XAMP or NetBeans |
| References | <http://www.w3schools.com/> |
|  | |

# Instructions

1. One student from each group sends an email to his instructor with students’ names, ids, and choices. Every group should order the projects according to their preferences, you could suggest your own project or select from the listed projects below.
2. Design the project according to the design instructions below.
3. Writ your own code (IF you cheat you will be given zero in the project)
4. Write a project report (use your own words)
5. At the end of the project, you will talk about your project for 10 minutes.

# Design

## Web Page Design

* Draw a full **use case diagram** listing all possible use cases.
* Select some use cases (at least 5) that you want to implement.
* Design **web pages** using HTML5 for the selected use cases.
  + design should include CSS formatting in a separate file. All pages should have the same look and feel.
  + Each page should have a meaningful title.
* Include in your design (if not already done) a Login page, Homepage according to the user type or role, and registration page (requests will be submitted to system admin as an email through PHP)
* You should have at least one page that uses JavaScript.

## Database Design

* Provide in the appendix the **SQL commands** used to create and populate the database.
* Provide a complete **list of the documents** managed by the system and describe only the documents (at least 3) that you will use in the implementation.

## Implementation

* Description of tools and techniques used during project implementation
* List of the used libraries and an example on how to use them (example from your code)
* Identified tasks and a realistic work plan for project implementation
* Screenshots of the implemented web pages
* You can add any important element concerning the implementation
* Conclusion: discuss the results and encountered difficulties

Suggested Marking:

HTML: 5

CSS: 3

PHP: 5

Database: 2

JavaScript: 2

Report and presentation: 3

# Example Projects:

1. Hotel Recommendation System
2. Product Evaluation
3. Online Recommendation System
4. Journal management system
5. Volunteer management system
6. Document management system
7. Examination management system
8. Budget planning
9. Complaints Management System
10. Course Selection System (Course scheduling system)
11. Employ track and report system
12. Discussion Forums
13. Attendance management system
14. Hierarchical employee Assessment
15. Form generator tools
16. Mapping products: online shopping
17. cooperative learning: sharing resources
18. Exchange items
19. Team document (text) management
20. Cooperative contact management