**CMPS 356 Spring 2015 – Project Phase 1**

**Design and implement an Internship Management System (IMS) using MVC-based Java EE Web application**

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| --- | --- |
| **Group Id:** |  |
| **Group Members:** | FirstName LastName (StudentId) |

**Grading Rubric**

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | % | Functionality\* | Quality of the implementation |
| Complete, correct, accurate and good quality implementation of the model | 7 |  |  |
| Complete, correct and accurate implementation of Entity Repository methods | 7 |  |  |
| **Complete, correct and working implementation IMS use cases**   * Login and Home page with Menu | 6 |  |  |
| * Register Internship | 10 |  |  |
| * Update Internship | 8 |  |  |
| * Get Internships | 8 |  |  |
| * Confirm Internship | 8 |  |  |
| * Assign Examiners | 8 |  |  |
| * Enter Grades | 16 |  |  |
| * View Grades | 12 |  |  |
| **Design documentation**  Class Diagram showing **Entities**, **Repositories** and **Controllers** | 5 |  |  |
| **Testing documentation** with evidence of correct execution using snapshots illustrating the results of testing to show that your implementation works and meets the requirements. | 5 |  |  |
| **Total** | 100 |  |  |
| Program does NOT compile | -50% |  |  |
| No demo of the implementation | -50% |  |  |
| Not submitting the design and testing documentation | -30% |  |  |
| Not using the design and testing template | -10% |  |  |
| Copying and/or plagiarism or not being able to explain or answer questions about the implementation | -100% |  |  |

**\* Possible grading for functionality**: ***Working*** (get 70% of the assigned grade), ***Not*** ***working*** (lose 40% of assigned grade and ***Not done*** (get 0). The remaining grade is assigned to the quality of the implementation. In case your implementation is not working then 40% of the grade will be lost and the remaining 60% will be determined based on of the code quality and how close your solution to the working implementation. Code quality includes **correct usage of MVC**, applying OOP best practices particularly encapsulation, inheritance and polymorphism when relevant, meaningful naming of identifiers, no redundant code, simple and efficient implementation, clean code without unnecessary files/code, use of comments where necessary, proper white space and indentation.

**Marks will be reduced** forcode duplication, poor/inefficient coding practices, poor naming of identifiers and unnecessary complex/poor user interface design.

# Design

# Entities Class Diagram

# Repositories Class Diagram

# Controllers Class Diagram

# Testing

# Login and Home page with Menu

# Register Internship

# Update Internship

# Get Internships

# Confirm Internship

# Enter Grades

# View Grades