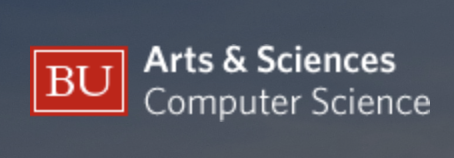
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**CS 591 P1 FINAL PROJECT**

**GRADING SYSTEM**

**INSTRUCTOR – Christine Papadakis-Kanaris**

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1. **INTRODUCTION**

* This document explains the motivations, technical functionalities and the overall design process related to the development of our final project related to the course of CS 591 P1 – Object-Oriented Design and Development in Java.
* The project has been developed over a period of weeks with detailed focus provided to different aspects of the, that include but not limited to the – frontend, backed, interface development, documentation, testing, debugging and the final presentation.
* This report is prepared keeping in mind the requirements of the design document associated with the overall software implementation of the project.

1. **REQUIREMENTS ANALYSIS**

* The primary thought process for the software implementation and design process is concerned with understanding the key requirements of our Professor regarding a computerized grading system.
* The motivation behind the successful implementation of our project is based on cent percent alignment of her requirements with our overall class design and each class’ technical functionality.
* As part of the requirement analysis, the process involved inquiring our Professor from time to time about her precise specifications that she wanted to have in her grading system application.
* Some of the primary objectives were to understand the following aspects and subsequently working on them:
  + which features exactly were lacking in the current system,
  + which features present in the current system needed improvisation and,
  + which features present in the current system could be deleted to significantly boost the overall functionality and robustness.

1. **DESIGNING OF USER INTERFACE**

* The following paragraphs explain the functionality of each Graphical User Interface (GUI) class that has been implemented in the application designed.