**INTRODUCTION**

**Purpose:**

The purpose of this software functional specification requirement document is to present the functional signatures that will be used in developing the code in the future semester for GDP II for the project “**A**utomatic **G**rading and **F**eedback **T**ool for **J**ava”. This document helps team members to not to miss the important functionality of code requirements and helps in understanding the operation of the code by providing comments. This document also eases the process of development of the code.

**Scope:**

The scope of the project “**A**utomatic **G**rading and **F**eedback **T**ool for **J**ava” is to develop and deliver an automatic java assignment grading tool with operations including automatic unzip the assignment file, retrieving the .java file, compiling and executing the file and then tested with different test cases uploaded by the instructor or teaching assistant. Finally, the student’s data on each assignment will be stored in a database or flat file which used for providing useful information for the instructor. This project enhances the instructor’s efficiency by assisting them by providing tools which will meet all grading needs. This system includes scripts to automate the process, a flat file or non-relational database and user interface developed for easy user interaction.