Group name: UnhandledException

Group members: Liam Searle, Minali Harijivan Chouhan, Ammaarah Desai.

Group mentor: Mthembu

Project Title: Maths and Physics Calculator 3 000 000

Project Description: A scientific calculator that has various built in methods, features and formulas that are useful for physics and mathematical calculations.

Instructions for using the Application (allowable actions): Entering data. Selecting a function. Selecting the number of decimal places. Storing and recalling data.

Tools or Concepts Used: Classes and objects. Reading from and Writing to Text Files. Loops. Decision statements. String manipulation.

Our Assumptions: We are assuming we will have added all the features to the project by the deadline. We assume that we will be able to program or learn to program all of the features we wish to implement.

Our Limitations: We do not expect the calculator to be able to solve for multiple unknowns at once. the calculator is merely supposed to have the same functionality that a regular scientific calculator would have; with the added feature of being able to browse formulas and simply enter values, then calculate whichever unknown is missing from those supplied by the user. The calculator will also have many constants built in allowing the user to add them by pressing a button rather than having to type in all of the numbers themselves.