|  |  |  |
| --- | --- | --- |
| **Task** | **Max Points** | **Comments** |
| Use Cases | 45 |  |
| Use Case Diagram | 45 |  |
| Team Report | 10 |  |
| **TOTAL** | **100** |  |

# Statistical Analysis Tool (SAT)

# Time Log

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Time**  **(in minutes)** | **Activities (description)** |
| Anthony Nooren | 60 | 10/28 - Team Report  10/28 - Use Cases  10/28 - Use Case Diagram |
| Logan Thompson | 60 | 10/26 - Use Cases  10/28 - Team Report |
| Derek Van Den Bogart | 60 | 10/28 - Team Report  10/28 - Use Cases  10/28 - Use Case Diagram |

# Why are we doing this Deliverable

Anthony -The purpose of creating use cases and use case diagrams is to prepare for the implementation stage and to understand how the functions of our program relates to each other.

Derek - The purpose of these documents is to provide visual representations of the capabilities of our application. Gives a sense of the “Who”, “What”, “Where” of the functions within the application as well. From a students’ point of view, this provides an additional way to view their uses, putting you (for the most part) in the user’s shoes.

Logan - The purpose of this document was to create use cases and use case diagrams, which help us during the implementation stage. These documents serve as guidelines and visual representations of how the systems in the program will interact and work.

# Project files for this Deliverable

|  |  |  |
| --- | --- | --- |
| **File Name** | **Path** | **Purpose** |
| A4-Group8-UseCases | Submitted to canvas | Use case document |
| A4-Group8-UseCase DiagramImage | Submitted to canvas | Use case diagram document |
| A4-Group8-Team Report | Submitted to canvas | Team report |
| A4-Group8-UseCase DiagramFile | Submitted to canvas | Use case diagram file |

# Method / Process

We created use cases that explained how actors interacted with our system. Given the use cases we were given we created a use case diagram following the UML methodology for use case diagrams.

# Results

As a group we produced many use cases in addition to a diagram to visual represent the cases written. The biggest problem came from the breaking up of use cases within Visual Paradigm and figuring out the multiplicity for each association link in the Use Case Diagram.