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CS3716 Assignment 3

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Included Files:

**Feature List**

* Gives a prioritized list of features for the system.
* Lists the key features of the system, and how they fit into the architecture.
* Gives justifications for the prioritization of the system.

**UseCaseDiagram**

* Shows the Use Case Diagram for the system

**Traceability Matrix**

* Provides a list of Use Cases for the system.
* Shows the traceability matrix relating use cases to features.

**UpdatedUML**

* Gives an updated conceptual UML diagram for the system

**ModulesForGroupCreator**

* Gives the modules for the Group Creator system.

**GroupCreator**

* The executable architecture for the system.

Justifications for GroupCreator

* Basic student code completed for Key Feature 1. The system has students from which to create the groups, since having students is essential to the system.
* Not all methods in StudentInfo are complete, just the necessary methods such that students can be created.
* Code completed in Project class for Key Feature 2. Criteria for group creation is stored in the project class, and methods are available to change which criteria are used.
* Key Feature 3, the algorithm for creating groups, is left until after a meeting with the instructor, as the way groups are to be created still has to be decided.
* Risk is reduced by coding the first two key features as those are more likely to cause problems. It would be risky to code the third key feature without meeting with the instructor, as it would have to be redone if it is not what the instructor wants.
* Classes for lists and the SelfEval are not completed. Their code is enough that the key features will work, they are not necessary for the core of the system.
* Unfinished methods exist in Project and StudentInfo as they are related to the implementation of the lists.

The code included in the project seems to be an updated version of the skeleton code of the assignment 2. However, it doesn’t provide the basic functionality defined in this document.