This is the fourth of five assignments that you will complete over the course of the semester:

- 1: Requirements Draft (10% of homework grade)
- 2: Final Requirements and Requirement-Based Tests (25%)
- 3: Design Draft (15%)
- 4: Final Design and Implementation (25%)
- 5: Testing (25%)

Each assignment is graded over a series of categories. You will be judged on a scale of 1-4 for each criterion, where a 1 corresponds to a 60%, a 2 corresponds to 75%, a 3 corresponds to 90%, and a 4 corresponds to 100%. If there is no work for a criterion or it is clear that even a minimal amount of effort was not put in, you will receive a 0% for that section of the assignment.

The following is a tentative idea of what we are looking for in Assignment 3. This may change before final grading, but gives criteria to aim for with your submission. A "4" in a category requires all requested elements to be present. Missing elements will result in a lower grade.

Peer Evaluation (5%)

Updated Structural Design (15%):

- Overall design
 - Extensible OO design for building Progress Summary and calculating the result of the graduation rules
 - High cohesion and low coupling.
 - No driver is included (main() method).
 - o All interfacing with GRADS is through the interface. Access is controlled.
 - o Top-level implementation of GRADSIntf present. □
 - Customized Exceptions
- □Class Diagram
 - Properly formed UML
 - Databases should not be present in class diagram
- Justification and Explanation
 - VERY IMPORTANT to justify and explain your design. Must show that different options were considered and why/how group arrived at final design. Must demonstrate understanding of OO principles. □
 - Automatic maximum of 2 on this section if no justification present. □
- Class Descriptions
 - Level of detail is sufficient. Is this implementable by another team?

Updated Dynamic Design (15%):

- Sequence Diagrams
 - "Generate Progress Summary" scenario must be present.
 - Properly formed UML

- Life lines and activation boxes present
- Actor present □
- Calls labeled □
- Database calls handled correctly. □
- Diagram description present and understandable.

Code Style (25%):

Based on a random sampling of the source code, we are looking at:

- Consistent bracketing and tab/spacing style
- Descriptive variable names
- JavaDocs present and used correctly
- Sufficient comments to understand code

Missing any one results in 1 to score for that section.

Runtime Behavior (40%):

- Correct progress summaries for all degrees and the certificate.
- Correct behavior for editing student records.
- Correct behavior for other security and functionality tests.