1. Create a new Word document named **YourUserName\_E50\_A02\_Methodology.docx** in your 420-E50 folderin your home drive.
2. Using an appropriate memo format, write an informal recommendation report to the project manager regarding the development process to be used during the project. The report should be no longer than 2 pages long and contain three parts:
   1. Abstract, which contains an overview of what is being addressed in the report
   2. Body, which give the details of the report
   3. Conclusion, which summarizes the conclusions and recommendations.
3. The body should address the following, written in your own words:

* Recommendation on the systems development methodology: Based on your previous courses and any work experience that you have, identify three common types of systems development methodologies that could be used for the project. Briefly identify the pros and cons of each one. Based on the pros and cons, write a recommendation on which methodology should be used for the project.
* Recommendation on defining functional requirements: Briefly describe the difference between use cases and user stories and list the contents of each one. Write a recommendation on which ones would be more appropriate for the recommended development methodology, and explain why.
* Description of non-functional requirements: Briefly describe the difference between a functional requirement and a non-functional requirement and give an example of each one.
* Recommendation on UML Models: Based on your previous courses and any work experience that you have, identify which UML diagrams you would recommend for developing a system, and explain why.

1. After the conclusion, include any references that you have used to write the body.