**MIS 507 Project Final Report Requirements**

• Your final project report should follow the requirements detailed below. It will be perfectly fine to reuse materials from previous project milestones.

• You should submit one PDF file.

• Use 1 inch margins, 12 point fonts, and single spacing.

• The length of the final report should be around 5-7 pages.

• Page 1: an executive summary and a table listing all group members (including names and emails) and their specific roles in your project

• The main text starts on Page 2.

• Section 1: Introduction (at max 0.5 page). Introduce the business scenario.

• Section 2: System Design (1.5 pages). Use UML diagrams to formally present the use cases and the design of your implemented system in the form of class diagrams. Identify explicitly how the design patterns have been used. Also briefly summarize the key features of your design.

• Section 3: System Implementation (1.5 pages). Describe the implementation aspects of your system. This is different from Section 2 with an emphasis on implementation environments and details. Present a main use case (at most one page) with key screen shots (console-based interaction logs are fine). Do NOT show a whole sequence of boring screen shots to take up the space!

• Section 4: Lessons Learned (0.5 pages). First, discuss key technological challenges you have encountered and how you resolved them. Second, discuss how the concepts learned from our class (including but not limited to design patterns) have helped you in your system design and implementation. Last, include any additional comments you might have on your project or the learning experience gained from the entire semester. Do not just copy general discussions easily accessible from the Web. Share your own take-aways and lessons learned!

• When uploading your final project report, you need to submit your source code and a link to a self-made screencast of the demo of your system.

• You should submit one ZIP or RAR file containing (a) all your source code; and (b) a ReadMe.docx file describing briefly what’s contained in your ZIP submission and very brief instructions on how to set up the environment needed and how to run your code. Daniel is an experienced coder and developer; so very succinct instructions will do.

• In addition, submit one additional TXT or DOCX file titled “myDemo.txt” or “myDemo.docx”. This file should contain one line: a URL pointing to your screencast file shared through either Microsoft’s OneDrive or Google Drive. If you use OneDrive, please share this with “zengdaniel@outlook.com”. If you use Google Drive, please share this with “zengdaniel@gmail.com”. Detailed instructions about how to make the screencast are provided below.

• Screencast instructions.

• Feel free to use any screencast tool. If you haven’t tried any before, I recommend Open Broadcaster Software (https://obsproject.com/). Camtasia Studio has a free trial as well (https://www.techsmith.com/camtasia.html).

• Try to limit your screencast to 7 minutes. In the first 3 minutes, run your program to showcase what it can accomplish. There is no need to show all the functions; instead, focus on the key functions only. In the remaining 4 minutes, switch to your IDE and show the key classes that implement the applicable design patterns. No need to walk through the entire program.

• Your screencast needs to contain your audio narratives.