CSC-382 Summer 2021

Assignment #5 (20 points)

Assigned: 8/2/21 @ 12:00AM
Due: 8/9/21 @ 11:59PM

For the Ticket Kiosk system that you have been developing:

1) Develop 5 Sequence Diagrams (Reminder: Utilize previous Use Cases and existing Classes from Class Diagrams)

2) Develop 5 State Diagrams

3) Reuse and Component-Based Development:

   a) Ramachandran, Muthu. "Software Reuse Guidelines." *ACM SIGSOFT Software Engineering Notes* 30.3 (2005): 1. Web.

   b) Sparling, Michael. "Lessons Learned through Six Years of Component-based Development. *"Communications of the ACM* 43.10 (2000): 47-53. Web.

Write a three-page paper:
   i)   Choose one of the two papers listed above.
   ii)   Summarizes the content of the paper. (minimum 1 page)
   iii)   Your opinion on how the topic of this paper could be of consequence to a new Software Engineer (potentially you soon). (minimum 2 pages)

NOTE 1: Be careful of plagiarizing. If you repeat anything directly from the paper it must be in quotes. These quoted sections should be kept to a minimum since I want YOUR impression of the topics in the paper.

NOTE 2: For all written homework in this class, a page is defined as single space, 12-point font, with one inch or less side margins, and 1.5 inch or less top and bottom margins. Write in complete sentences and provide references <u>with citations</u> as needed.