**EECS3311 Midterm**

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**VideoCo Management System**

Video Link: <https://youtu.be/sIh3EqZ7vXs>

Part 2: <https://youtu.be/LZbttYIz7xk> (forgot some stuff)

**A picture containing diagram

Description automatically generated**

There were significant differences between my midterm and my project. For starters, the singleton and composition design patterns were not applied. The one major difference was that in my initial design for the midterm, there was no thought given regarding the GUI. In my final implementation for the project, there was much less association and more aggregation involved with the design. The GUI alone added more than a dozen classes to the final project implementation. I went in favor of a more encapsulated approach where each type of user (i.e. Customer or admin) had its own separate GUI classes. There is less inheritance and interfaces in my final design. I also did away with the Observer design as I found that calling the Maintain classes to be easier. Classes were given more variables and methods, such as for the User class where it now has a Stock variable and a getStock() and setStock() function.