



This is the ER diagram for the Factory and Singleton design patterns in our project

We also have partially implemented MVC using our classes as model and java swing for our views. Although the only issue is that we were handling the logic to update our UI directly in our views via `actionListeners` and it could be turned into a full fledged MVC if we move our business logic into Controller classes.

Also, when we finished our business logic, we tried implementing the memento design pattern so that we can undo states for each of our campus schedules but found that it was very complicated and many errors arose due to our current “Classe” coupling architecture. For the future, we could slightly change the architecture of the “ClasseCouple” to make it a complete different entity not directly derived from “ClasseNonCouple” which would make implementing the memento design pattern much simpler.