Important links :
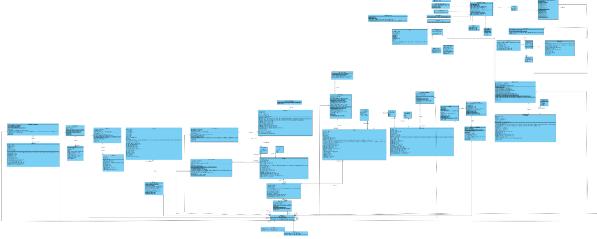
The link of our video: Youtube || Our repo on Github: Github

UML Class Diagram:

A clear diagram is included in the zip file.

Approach Taken:

During the planning of the MOBLIMA application, we wanted the system to be user friendly and simple to upgrade. As our application aims to be flexible and with intuitive inputs. Unlike the existing real life movie booking system which already has an existing database of customers and movies, we had to allow admin users to create movies, movie time slots as well as user creation for the system.

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The system also allows registered movie-goers to see the various movie showtimes and see what movies are currently available. If the user has a specific movie in mind, they can search for it. If not, they can view the rankings of the movie ranked by either ticket sales or movie-goer ratings. When the users want to book a movie ticket for a certain movie at a certain time slot, they will be brought to the cineplex layout. From the cineplex layout, users will be able to view the seating plan and see which seats are vacant. Users will also receive a 2 dollar discount (except on public holidays and weekends) when they buy seats from the first 2 rows. Once they want to purchase the ticket, users will be prompted if they want to use a promo code. Users then can choose to pay