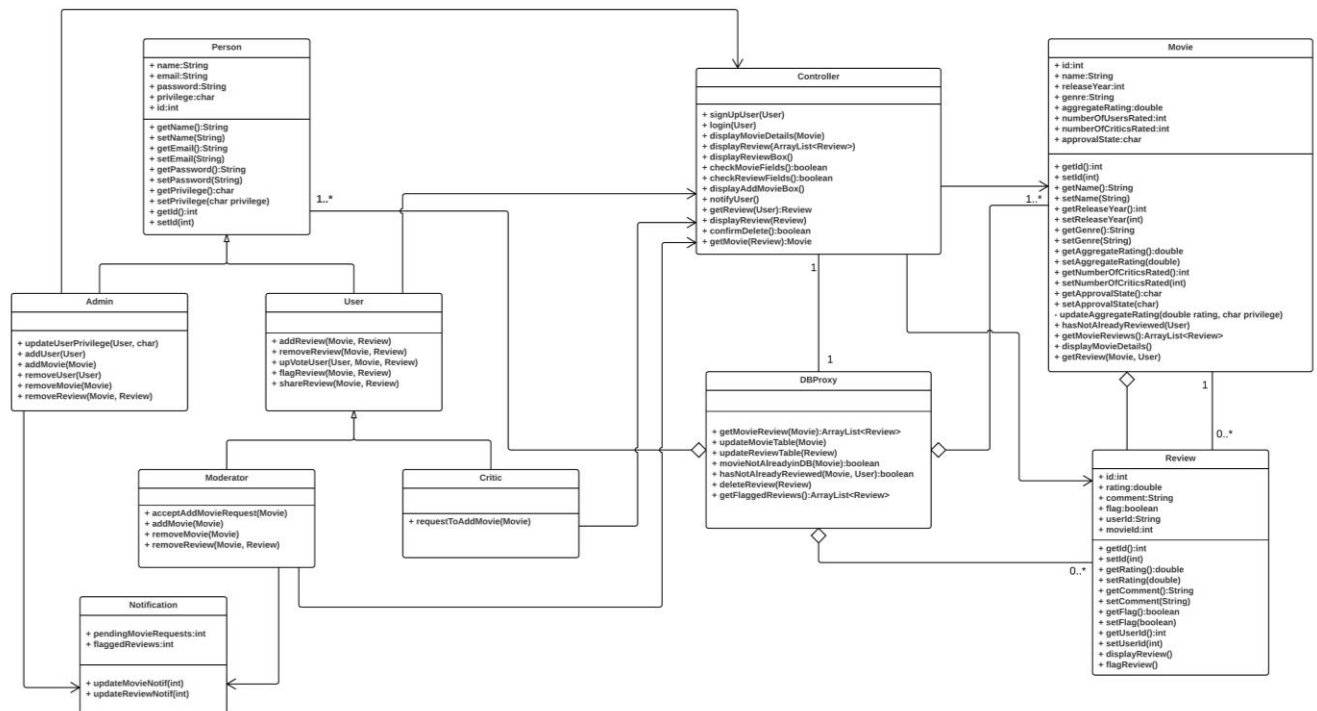


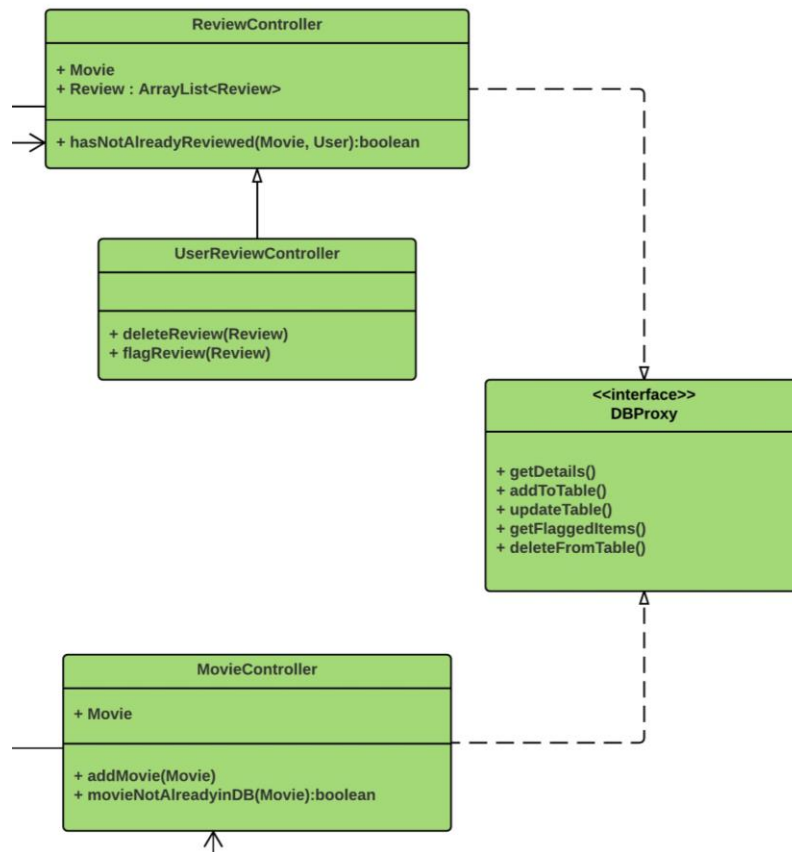
39_Rated-OnlineMovieReviewSystem_ProjectPart3



The diagram can be seen [here](#).

The new refactored class diagram is as below.

The DBProxy was changed to an interface through which the user can read data from the database. This implements Façade design pattern as we created a single new interface to access the data than having multiple interfaces. Since Façade design pattern implicitly implements Singleton pattern, the ReviewController and MovieController classes would be singleton classes.



We also modified the notification class to implement the Observer design pattern because whenever there is a notification, all the corresponding classes that are involved must be notified and appropriate changes are to be made. This is shown in the figure below where there is a notification observer which is extended to a notification class which updates the PageController class when a notification occurs.

