

Meet Requirements

- 1) LoginController class, RegistrationController class, and MainController class are subclasses of SceneSwitcher class.
- 2) SceneSwitcher class is an abstract class.
- 3) Transaction Interface is used in ImportationModal class, DeliveryModal class, and ExportationModal class.
- 4) Collection classes ArrayList<>, ObservableList<>, and HashMap<> are used in all the data access layer(DAL) and business logic layer(BLL).
- 5) All the database queries have exception handling, see all the data access layer(DAL).
- 6) About were coded in MainController class.
- 7) MySQL database under Amazon Rational Database Services(RDS) is used in this project.

Project Concept

This project is built to help factory manager manage factory transaction. Factories which produce goods will need raw materials. Therefore, the factory manager needs to buy raw materials from other factories or farms. After the raw materials are transferred to the factory which needs the raw materials, the factory will process the raw materials and make new products. Next, the new products have to be transferred to the companies which order the products. Completed the transfer of the products, one transaction cycle is done.

The software I built in this project helps factory managers to keep the transaction records of importing raw materials, arranging product transfer services, and recording the transactions with companies buying the products. This can help factory manager to organize the factory transaction records and over watch the funding of the factory.