

System Design Document

In our project we are using the MVC-model as design-pattern, by dividing the classes into packages named "Model", "View" and "Controller". By divide the classes it is easier to control what they are doing because they are in a certain package that gives information about what the classes does.

Packages

se.turbotorsk.mybar (View)

- AboutBox** – Handles the About-information
- AddIngredientActivity** – Is used when you want to add an ingredient
- CollectionActivity** – Handles the Collection-view
- DrinkAdapter** – Handles the drinks
- IngredientAdapter** – Handles the ingredients
- MainActivity** – Makes the main-window with menus
- MyBarActivity** – Handles the MyBar-view
- MyFavoritesActivity** – Handles the MyFavorites-view
- ProfilesActivity** – Handles the profiles
- SettingsActivity** – Is used when you want to change settings
- Share** – Handles the share-function
- ViewDrinkActivity** – Handles the drink-view
- SplashActivity** – Handles the splash logo and db sync on app start
- MyBarTabHostActivity** – Handles the tabs of the MyBar view
- ViewDrinkActivity** – Handles the recipe view of each drink object

se.turbotorsk.mybar.controller (Controller)

- Controller** – Handles the communication between model and view
- DrinkManager** – Handles the drinks you can do with the ingredients you got in the MyBar-view
- MyBarApplication** – Handles communication between classes

se.turbotorsk.mybar.model (Model)

- Data** – Handles the set- and get-methods between database and controller
- Drink** – Handles variables for a drink
- Ingredient** – Handles the variables for an ingredient
- MyBar** – Handles the variables for the content in the MyBar-view

se.turbotorsk.mybar.model.database (Database)

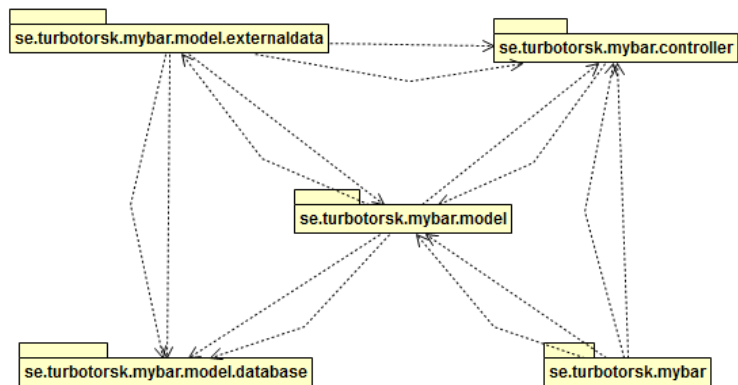
- DrinkTable** – Handles the table for the drinks
- IngredientTable** – Handles the table for the ingredients
- MyBarContentProvider** – Handles the communication between database and the Data
- MyBarDatabaseHelper** - Manages the database
- MyBarTable** – Handles the table in MyBar-view

se.turbotorsk.mybar.externaldata

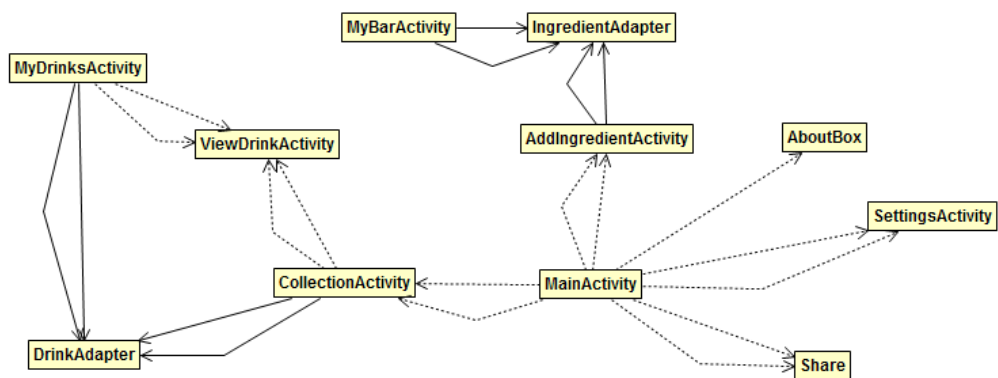
JsonParse – Fetch all the external data

UML

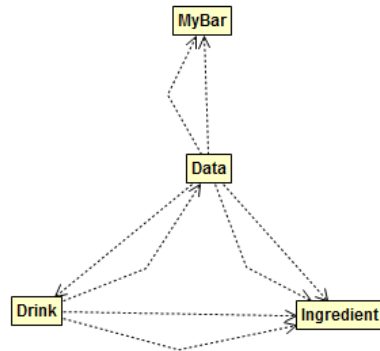
Package-UML



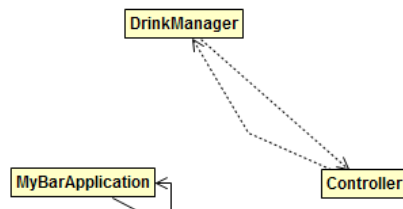
View-UML (se.turbotorsk.mybar)



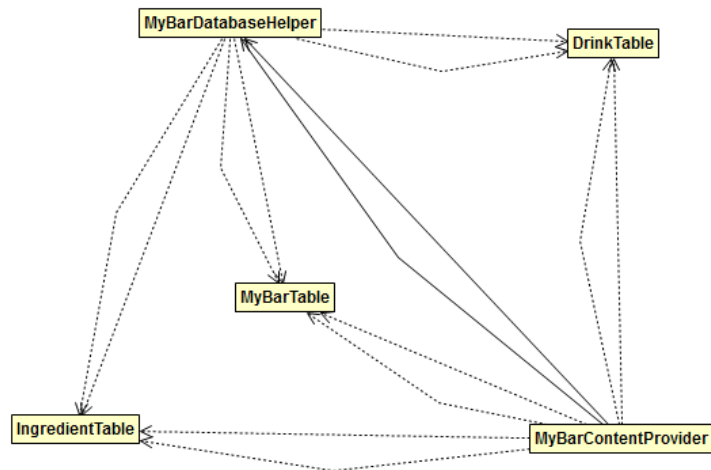
Model-UML (se.turbotorsk.model)



Controller-UML (se.turbotorsk.controller)



Model-Database-UML (se.turbotorsk.model.database)



Model-ExternalData-UML (se.turbotorsk.model.externaldata)

JsonParse