

## Packages

### Model

#### Data

*SQL* – contains all code that is associated with SQL.

*JSON* – Is used to parse the HTML document that contains information from the external database.

*Drink* – Handles the drink objects.

*MyBarDatabaseHelper* - SQLite helper object to manage and create our database. Talks directly to our SQLite database. Uses DrinkTable.java (and in the future maybe more) as a template for every table that should be in the database.

*SQLite* – This class handles communication with the internal SQL database. This database acts as cash for the external database and is also used to store local information about favorites and history.

*EData* – a class that acts like a content provider that contains code that communicates with the external server (Apache2 (+ PHP and MySQL))

*DrinkTable* - A table template. MyBarDatabaseHelper asks the DrinkTable for the database table structure.

### Controller (Controller)

***MyBar.java (main activity)*** – start the application and initiates all the processes.

*Settings.java* – updates the Settings activity, tells EData to sync all data, and changes the themes.

*Collection.java* – updates the Collection activity with data from EData.

*Favorites.java* – updates the Favorites activity with data from EData, saves new favorites and sorts them in given order.

*Drink.java* – updates the Drink activity with data from EData.

*MyBarContentProvider* - gets a writeabledatabase from

MyBarDatabaseHelper, changes the queries into database SQL language and executes the query. delete(), insert(), query(), update().

### View (Subscriber to Controller) - Android XML

***MyBar (main activity) personal bar, add ingredients, search.***

*Settings* – sync database, about...

*Collation* – all the drinks in the system

*Favorites* – a view that contains the users favorites drinks

*Drink* – a view where the user can see rating, recipe, picture and a description for a specific drink.

### External Code

#### webserver:

initdb.php: delivers the content of the drink table for the drink pre-view

fulldbinit.php: delivers all the content from the the drink table.

getdrink.php?id=x : delivers all the content for the drink with id x.

