

Travel buddy

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“Travel buddy” is a web application which simulates travel agency for creating and browsing through packages which contain flights and hotels to different destinations. There are users who can browse and buy journey packages and administrators who can use third-party APIs to form journey packages. Only the administrators need to be authorized. The approach that we used is a RESTful web application with angular.js MVC structure on the front end and JAX-RS for the back end with JPA for the persistence layer.

Use cases:

UC1: Browse through packages.

Actor: User

Description: The User views a list of all the available packages created from an administrator.

UC2: Buy a package.

Actor: User, Bank

Description: The User selects a package and decides to buy it. The User enters credit card information and if the Bank verifies it the User receives a confirmation through an email.

UC3: Log in

Actor: Administrator

Description: The administrator provides his username and password in order to authenticate to the system.

UC4: Search for hotels.

Actor: Administrator

Description: The Administrator enters search criteria and uses the system to get a list of available hotels according to this criteria.

UC5: Search for flights.

Actor: Administrator

Description: The Administrator enters search criteria and uses the system to get a list of available flights according to this criteria.

UC6: Create a package.

Actor: Administrator

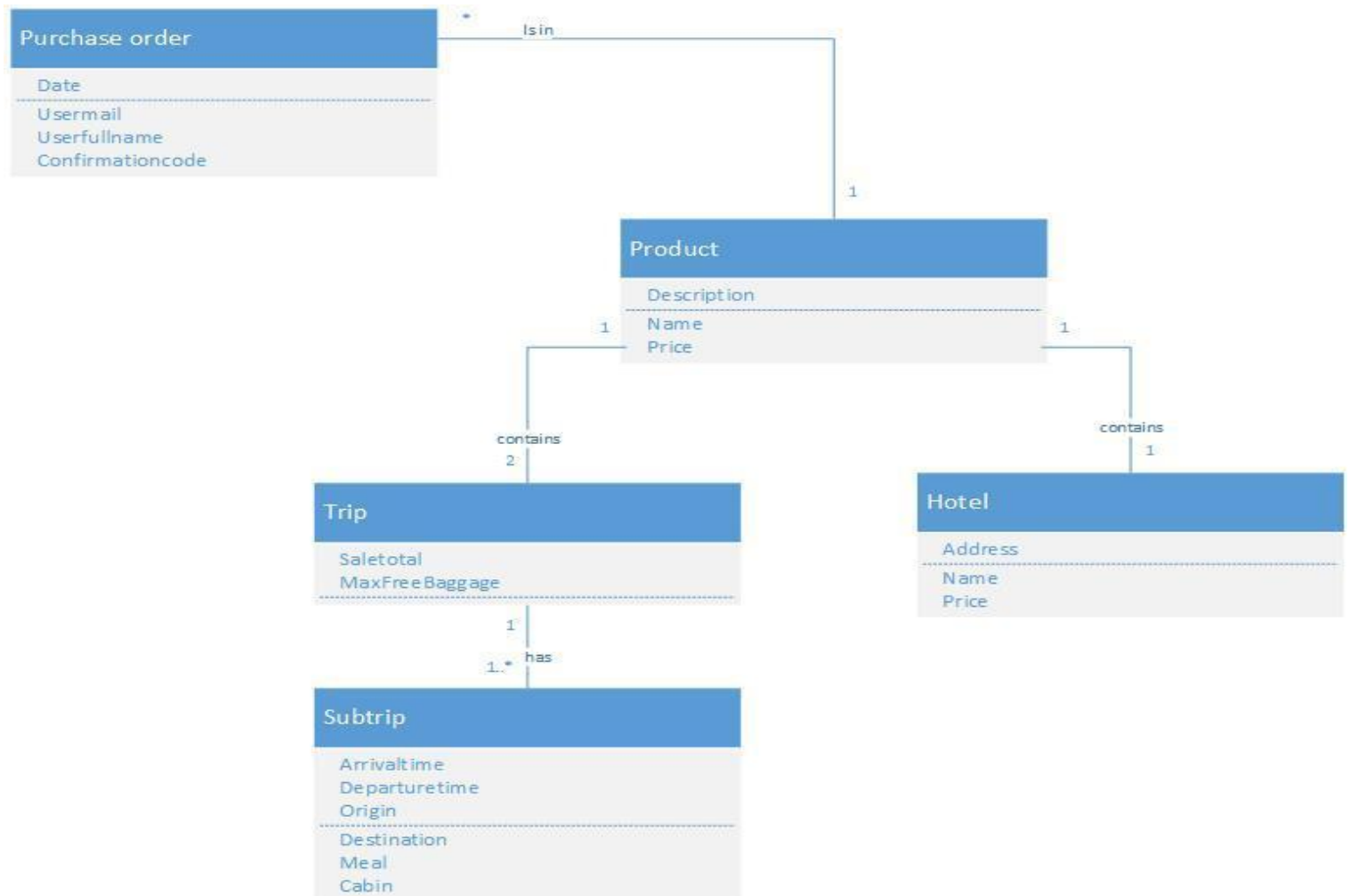
Description: The Administrator chooses two flights and a hotel from the available results and enters package description, price and a picture to form a package.

UC7: Delete a package.

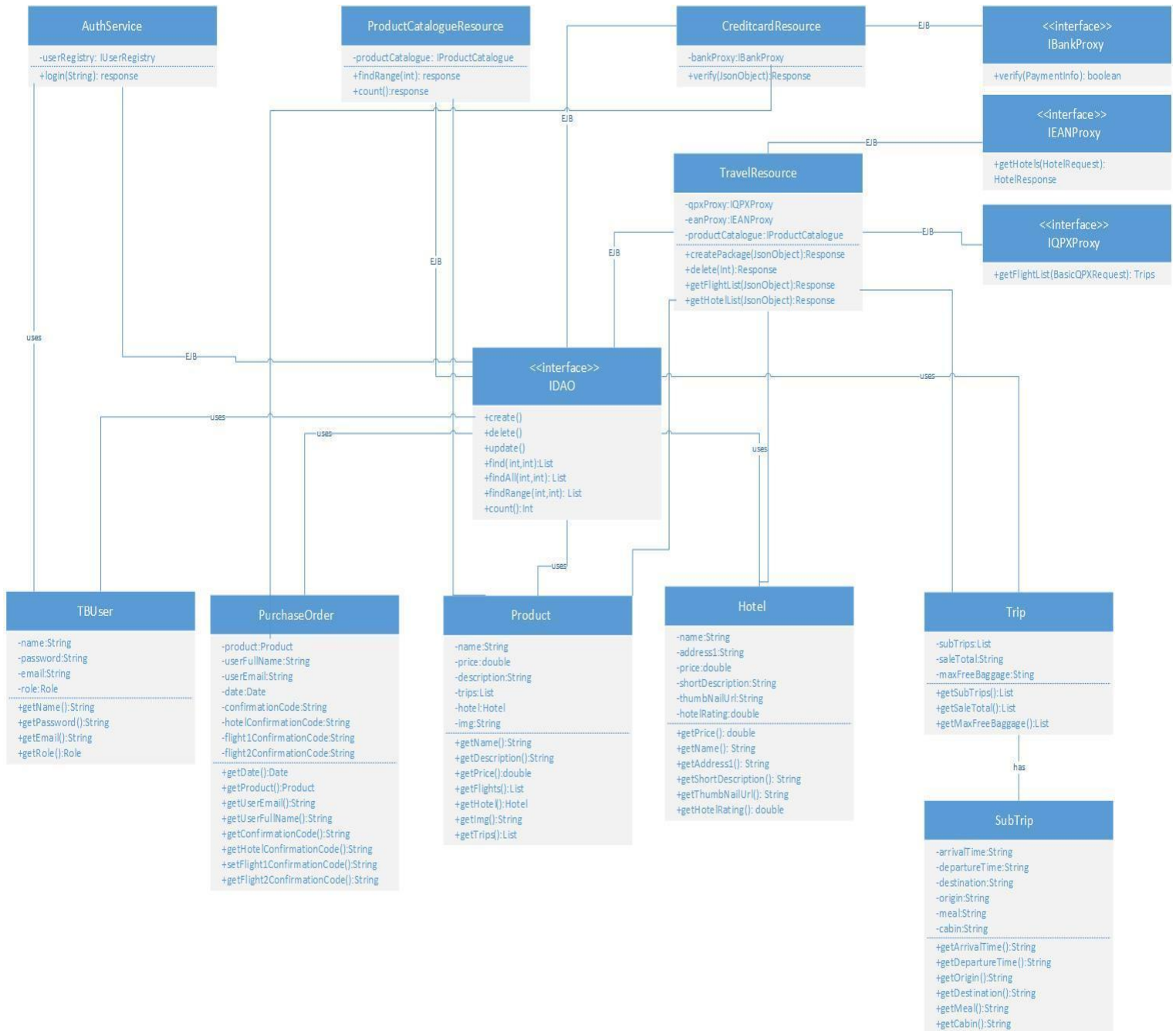
Actor: Administrator

Description: The Administrator delete a package (in Products view). Packages can only be deleted if there is no customer having booked them.

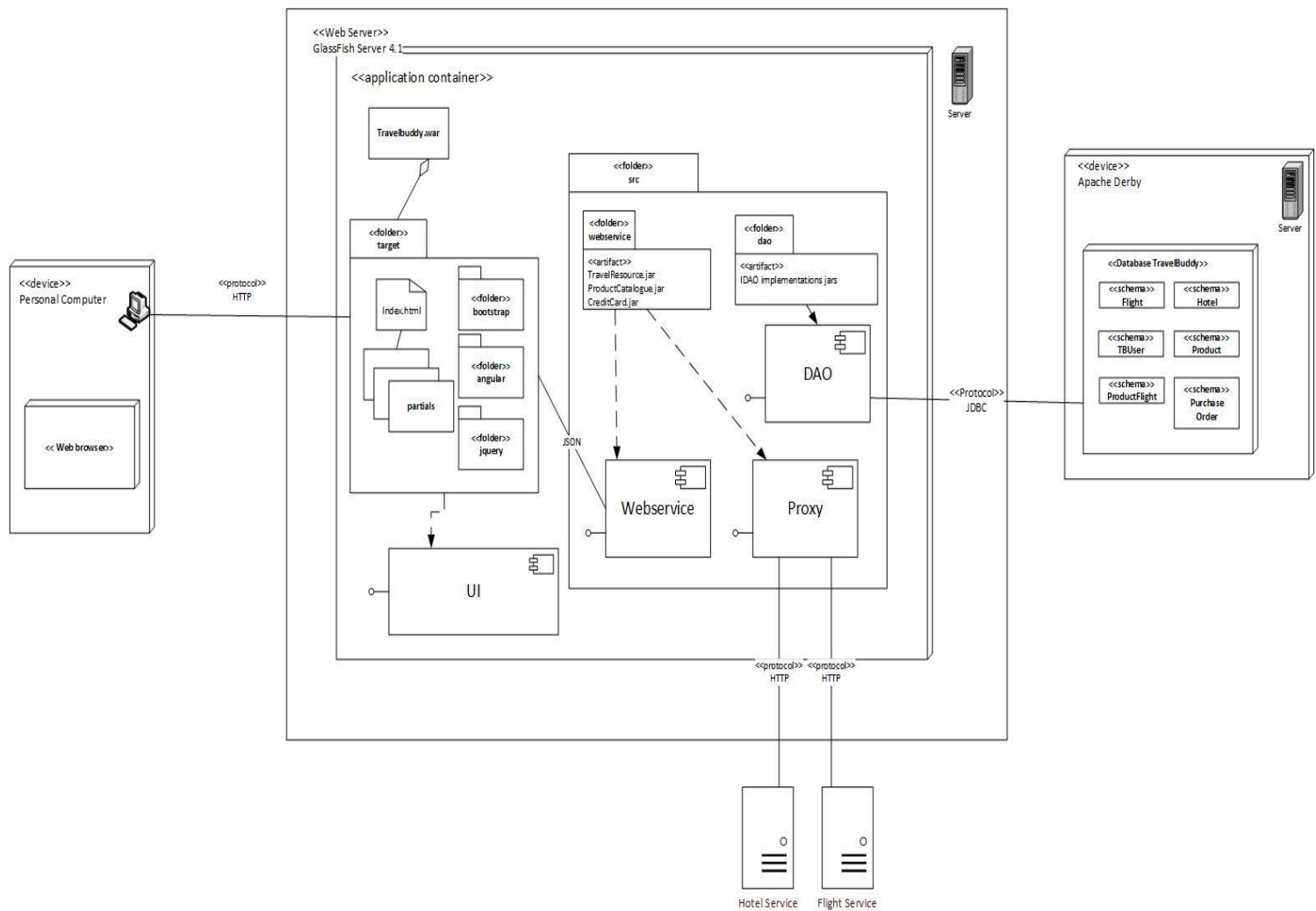
1. Data model



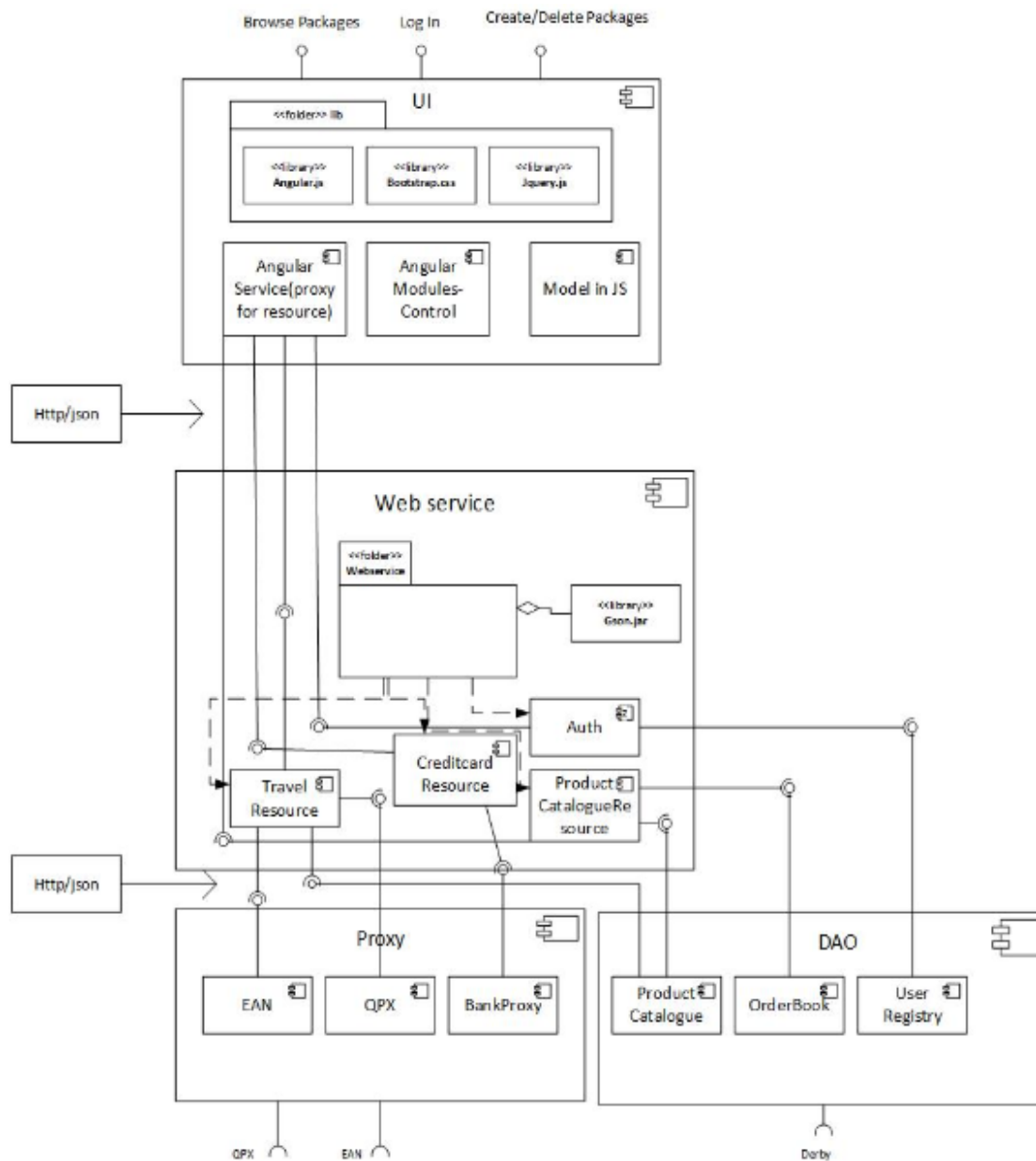
2. Class diagram



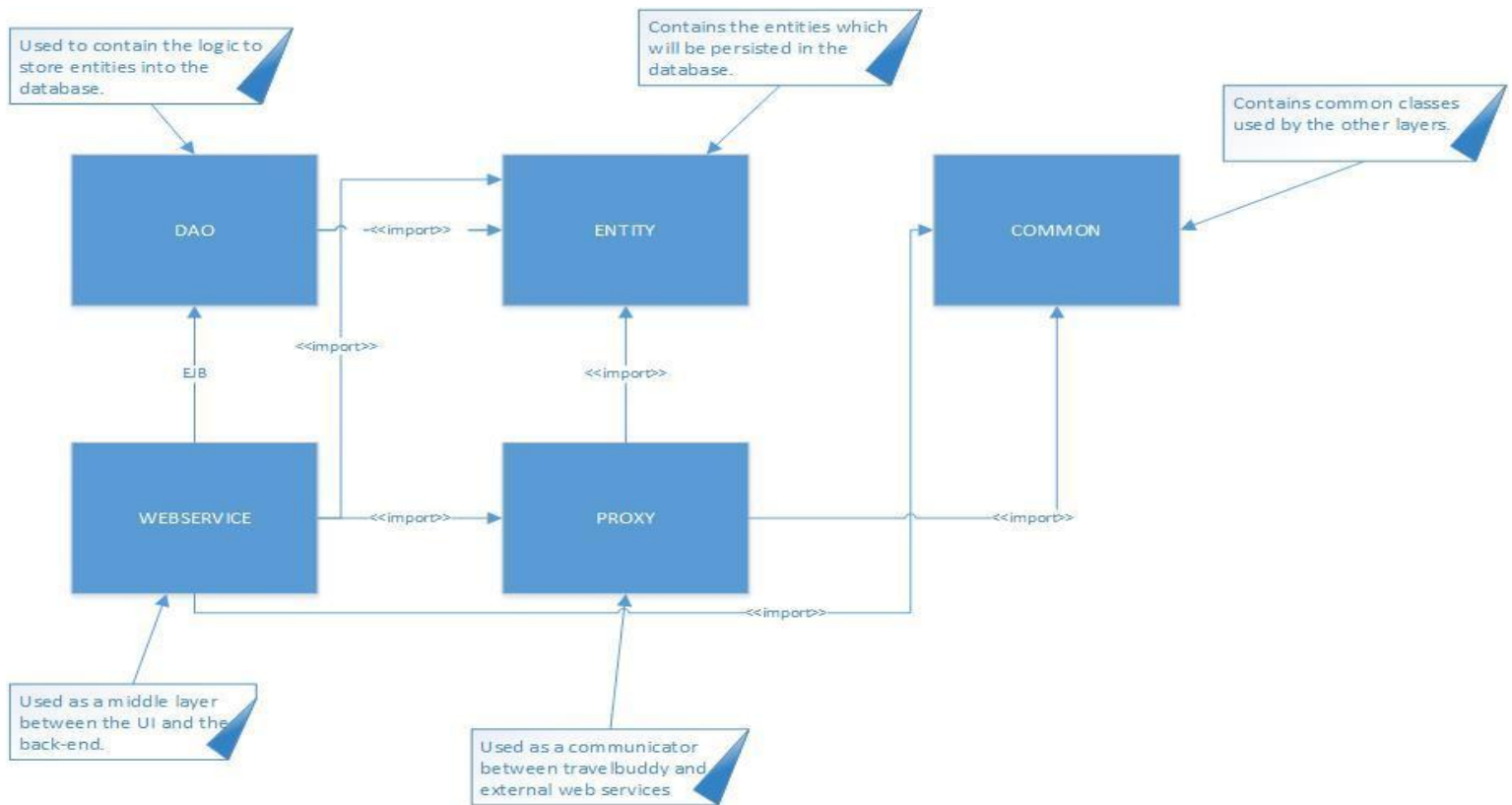
3. Deployment diagram



4. Component diagram



5. Package diagram



6. Layered diagram

