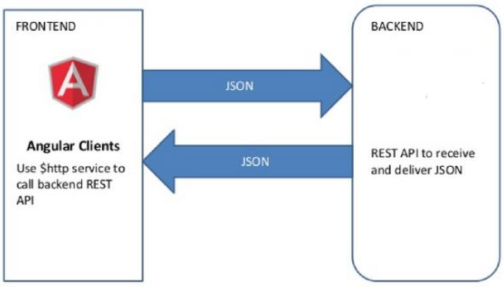
Exercises – Angular with a Backend


FRONTEND
Angular Clients
Use $http service to call backend REST API
JSON
JSON
BACKEND
REST API to receive and deliver JSON

Ex-1

Go back to your Module-2 projects, and find a working version of the *JAX RS – Quotes* Example (if you have completed all steps related to this task, the REST API and Error handling is described in the document *ExercisesREST_JAX-RS_ErrorHandling.pdf*).

In the same project add a new html-file and rewrite the GUI logic with AngularJS and the $http service with AngularJS and the $http service using the existing REST API.

Ex-2

As for exercise-1, go back to your Module-2 projects and find a working version of the *JAX RS – Person* Example (if you have completed all steps related to this task the REST API and Error handling is described in the same document as above).

In the same project add a new html-file and rewrite the GUI logic with AngularJS and the $http service using the existing REST API.

Ex-3

Implement a Backend (preferably with a database and JPA) and a REST API to support the front-end we created yesterday in the exercise "Adding CRUD to the "car" application".

Rewrite the Frontend to use the new REST API using the $http service.

Note: This exercise will be included (almost as here) in the exercises for this Friday.

<u>Hints for exercise-3:</u>

A small script to give you a few cars in the database:

```
insert into car(id,model_year,registered,make,model,description,price) values(null,1996,'1999-4-11','Jeep','Grand Cherokee','Air, loaded',4799);
insert into car(id,model_year,registered,make,model,description,price) values(null,2002,'2002-4-25','Ford','E350','ac, abs, moon',3000);
insert into car(id,model_year,registered,make,model,description,price) values(null,2005,'2005-4-25','Chevy','Venture','none',7600);
```

Gson and dates:

If you have date problems with Gson when de-serializing your car, you should create your gson instance as below:

```
private static final Gson gson = new GsonBuilder().
          setDateFormat("yyyy-MM-dd'T'HH:mm:ss.SSS'Z'").
          setPrettyPrinting().create();
```