

## **Project Instructions:**

### **Project setup:**

Database: Microsoft SQL Server 2014 Management Studio

Microsoft SQL Server Database Connectivity requires the following:

- Download [Microsoft JDBC Driver For SQL Server](#) for Java
- Extract the file to a desired location
- Copy the file: sqljdbc\_6.2\enu\auth\x64\sqljdbc\_auth.dll to the JRE\bin folder: C:\Program Files\Java\jre\bin – according to your Java version installed (32bit or 64it)

**Database creation:** In the package: database.main there is a Class: “MainCreateDB” which creates the database and all database objects (tables) – Run as Java Application.

**Database Login:** No need to provide credentials, the URL connection to the database is set to integratedSecurity=true". Make sure “Authentication Mode” in SQL Server is set to “Windows Authentication”

Project URL: <http://localhost:8080/Coupon.web/>

Admin Credentials:      Username: admin      Password: 1234

### **Project Notes:**

- Each service type (Admin, Company, Customer) has its own relevant system bugs via the “Documentation” button available after performing login. In the unlikely event that the button doesn’t open the files, the documentation for each Service type is also included in this document.
- Please fill in date in the format: “yyyy-MM-dd” where End Date field is set to “Text” (Update Coupon), Otherwise, please use your system default date format.
- Recommended: Insert a valid image URL upon creating a coupon – not mandatory. Here are some relevant images’ links you can use:
  - Restaurant:  
<https://image.ibb.co/jokPoH/Food.png>
  - Electricity:  
<https://image.ibb.co/k5S12c/Electricity.png>
  - Camping:  
<https://image.ibb.co/iZdkTH/Camping.png>
  - Health:  
<https://image.ibb.co/fO7C8H/Health.png>
  - Food:  
<https://image.ibb.co/gJuENc/Food.png>
  - Sports:  
<https://image.ibb.co/jPseoH/Sports.png>
  - Traveling:

<https://image.ibb.co/c5p3Fx/Traveling.png>

### **General Known Bugs:**

#### **Postman:**

- Each method that produces JSON of a coupon returns a date in format: CurrentTimeMilles  
"startDate": 1548806400000, "endDate": 1580342400000,

#### **Angular:**

##### **Date Format**

- Every query for a coupon (execution of a method that displays a coupon), throws an error to the browser. Despite the error, all the methods are executed successfully. This error is caused due to the necessity to convert a Date type object to a String.
- The date format received by Angular is of a Zulu format which the Resource is unable to handle. Therefore, I convert the Zulu type Date to a String.
- Conversion:

Zulu: "Wed Nov 11 2020 00:00:00 GMT+0200 (Jerusalem Standard Time)" or

"2020-03-08T22:00:00.000Z" -> String: "2020-11-11"

If I convert it back to a Date object from the String, the date returns to its original Zulu format.

- Reference: <http://errors.angularjs.org/1.6.6/ngModel/datefmt?p0=2019-12-31>
- Angular Documentation:

Error: ngModel:datefmt  
Model is not a date object

Expected `2019-12-31` to be a date

Need to add system bugs for Admin, Company and Customer...