Angular

Angular?

Angular allows to build applications and reuse the code and abilities to build apps for any deployment target: for web, mobile web, native mobile and native desktop.

Installation

Angular requires:

- Node.js (an open-source, cross-platform JavaScript run-time environment for executing JavaScript code server-side)
- Npm (a package manager for the JavaScript programming language)

See https://angular.io/guide/quickstart

Starting with an existing application

A template for a project is given at: https://github.com/charroux/CarRental

Download and unzip this project.

In the project folder install the required module using the command line: npm install

Then start the server with: ng serve

Display the user interface into a web browser at: http://localhost:4200/

How does it work?

This menu is defined at:
https://github.com/charroux/CarRental/blob/master/src/app/app.component.ts

```
<nav>

<a routerLink="/cars">Rent a car</a>

<a routerLink="/getbackcars">Get back a car</a>

</nav>
```

This menu leads to a route: https://github.com/charroux/CarRental/blob/master/src/app/app-routing.module.ts

{ path: 'cars', component: CarsComponent }

CarsComponent is associated to a file there:
https://github.com/charroux/CarRental/blob/master/src/app/app.module.ts

import { CarsComponent } from './cars.component';

declarations: [

AppComponent,

CarDetailComponent,

CarsComponent

]

The file defining CarsComponent is there:
https://github.com/charroux/CarRental/blob/master/src/app/cars.component.ts

It declares which view is associated with:

@Component({

selector: 'my-cars',

templateUrl: './cars.component.html'

})

The view is there:
https://github.com/charroux/CarRental/blob/master/src/app/cars.component.html

Work to be done

Add the link "Get back a car" into the main page:

Car Rental Service

Rent a car
Get back a car

A click on this link should display a menu:

Car Rental Service

Rent a car
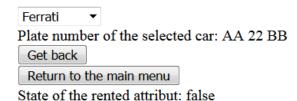Get back a car

Choose the car to get back

[▼]

When a car is selected the page should look like this:

Car Rental Service

Rent a car
Get back a car

Choose the car to get back

[Ferrati ▼]
Plate number of the selected car: AA 22 BB
[Get back]
[Return to the main menu]
State of the rented attribut: false

Integration with the Rest Web Service

The given project is provided with a class simulating the web service:

https://github.com/charroux/CarRental/blob/master/src/app/mock-cars.ts

Delete this class and use the http client library into the Service class to access the Rest Web Service:

https://github.com/charroux/CarRental/blob/master/src/app/car.service.ts