

Assignment 1	Project Summary
Course	Angular 2020

Project author		
№	Pseudonym	Face-to-face/ online
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Project name	Sell my car
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1. Short project description (Business needs and system features)
<p>These days the best way to sell anything is on the internet. You can reach anyone who may have interest in what you're selling. That's why a good website for car sales is always a good idea. Project will be developed using Angular and some additional libraries.</p> <p>The main user roles (actors in UML) are:</p> <ul style="list-style-type: none"> • <i>User</i> – can specify his preferences, search and see car offers • <i>Private seller</i> – needs to be registered and extends <i>User</i> by adding the functionality to have one car offer. • <i>Dealer</i> – extends <i>Private seller</i> and adds the option to have more than one offer • <i>Administrator</i>

2. Main Use Cases / Scenarios		
Use case name	Brief Descriptions	Actors Involved
2.1. Browse car offers	The user can browse through all offers and modify his search parameters as it suits his needs	All users
2.2. Register	<i>Anonymous User</i> can register in the system by providing a valid e-mail address, first and last name, and choosing password. Registered users are either dealers or private sellers.	<i>Anonymous User</i>
2.3. Change User Data	<i>Registered User</i> can view and edit her personal <i>User Data</i> . <i>Administrator</i> can view and edit <i>User Data</i> of all <i>Users</i> and assign them <i>Roles</i> : <i>Student</i> , <i>Instructor</i> , or <i>Administrator</i> .	<i>Registered User, Administrator</i>
2.4. Manage Users	<i>Administrator</i> can browse and filter users based on different criteria: first and last name, email, Role. <i>Administrator</i> can choose a <i>User</i> to delete.	<i>Administrator</i>
2.5. Add/Delete car ad	<i>Private seller, Dealer and Administrator</i> can create new car ads and also delete them. <i>Administrator</i> can delete every ad. Other roles can only delete their own.	<i>Private seller, Dealer, Administrator</i>

3. Main Views (SPA Frontend)s		
View name	Brief Descriptions	URI
3.1. Home	Where all the filters are located and users start theirs search	/
3.2. List of car ads	The results after the filter for the search is filled	/results
3.3. Single ad view	Single car offer opened for detailed view	/offer
3.4. Profile	All information about the <i>Dealer/Private seller</i> and all their car offers	/user

4. API Resources (Backend)		
View name	Brief Descriptions	URI
4.1. Users	GET <i>User Data</i> for all users, and POST new <i>User Data</i> (Id is auto-filled by <i>OKTS</i> and modified entity is returned as result from POST request). Available only for <i>Administrators</i> .	/api/users
4.2. User	GET, PUT, DELETE <i>User Data</i> for <i>User</i> with specified <i>userId</i> .	/api/users/{userId}
4.3. Ads(offers)	GET user (according to <i>User's Role</i> and identity) and POST new <i>Ad</i> (Id is auto-filled by <i>OKTS</i> and modified entity is returned as result from POST request).	/api/ads
4.4. Ad	GET, PUT, DELETE <i>Ad Data</i>	/api/tests/{id}