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| Assignment 1 | | Project Summary | |
| Course | | Angular 2020 | |
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| Project author | | | |
| № | Pseudonym | | Face-to-face/ online |
| 1 | enzo | | face-to-face |

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| Project name | Sell my car |

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| 1. Short project description (Business needs and system features) |
| 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.  The main user roles (actors in UML) are:  •  *User* – can specify his preferences, search and see car offers  • *Private seller* – needs to be registered and extends *User* by adding the functionality to have one car offer.  • *Dealer* – extends Private seller and adds the option to have more than one offer  • *Administrator* |

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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **Browse car offers** | The user can browse through all offers an modify his search parameters as it suits his needs | All users |
| * 1. **Register** | *Anonymous User* 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. | *Anonymous User* |
| * 1. **Change User Data** | *Registered User* can view and edit her personal *User Data*.  *Administrator* can view and edit *User Data* of all *Users* and assign them *Roles*: *Student, Instructor*, or *Administrator*. | *Registered User, Administrator* |
| * 1. **Manage Users** | *Administrator* can browse and filter users based on different criteria: first and last name, email, Role.  *Administrator* can choose a *User* to delete. | *Administrator* |
| * 1. **Add/Delete car ad** | *Private seller, Dealer and Administrator* can create new car ads and also delete them.  *Administrator* can delete every ad. Other roles can only delete their own. | *Private seller, Dealer, Administrator* |

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| 1. Main Views (SPA Frontend)s | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Home** | Where all the filters are located and users start theirs search | / |
| * 1. **List of car ads** | The results after the filter for the search is filled | */results* |
| * 1. **Single ad view** | Single car offer opened for detailed view | */offer* |
| * 1. **Profile** | All information about the *Dealer/Private seller* and all their car offers | */user* |

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| 1. API Resources ( Backend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Users** | GET *User Data* for all users, and POST new *User Data* (Id is auto-filled by *OKTS* and modified entity is returned as result from POST request). Available only for *Administrators*. | */api/users* |
| * 1. **User** | GET, PUT, DELETE *User Data* for *User* with specified *userId*. | */api/users/{userId}* |
| * 1. **Ads(offers)** | GET user (according to *User's Role* and identity) and POST new *Ad* (Id is auto-filled by *OKTS* and modified entity is returned as result from POST request). | */api/ads* |
| * 1. **Ad** | GET, PUT, DELETE *Ad Data* | */api/tests/{id}* |