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| Assignment 1 | | Project Summary | | |
| Course | | Full-stack Development with Node.js and React.js - 2016 | | |
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| Project author | | | | |
| № | First name, last name | | E-mail | Face-to-face/ online |
| 1 | Iliya Velkov | | iliqvelkov@gmail.com | face-to-face |

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| Project name | Effective school management system  https://github.com/iliqvelkov/Effective-school-management |

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| 1. Short project description (Business needs and system features) |
| In this school system we can add schools and write reviews for them.  The main user roles (actors in UML) are:  • *Anonymous User* – can only view the information pages.  • *Registered User* – can add reviews for every school in the system.  • *Administrator*  – can manage (create, edit school data and delete) all *Registered Users.* |

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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **Browse information and try sample tests** | The *User* can browse the information views (Home, Schools, About) | 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. | *Anonymous User* |
| * 1. **Change School Data** | *Administrator* can view and edit *School Data*. | *Administrator* |
| * 1. **Add/Edit School data** | *Administrator* specifies/edits *school* meta-data | *Administrator* |
| * 1. **Browse School Results** | Anonymous users, registered users and administrator can search for school in the system | Anonymous User, Registered User, Administrator |

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| 1. Main Views (SPA Frontend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Home** | Presents the introductory information for the purpose of the system as well as detailed instructions how to start using it. Prominently offers ability to register. | / |
| * 1. **Schools** | Presents tests available according to *User's Role* and identity. Offers abilities to create, read, update, delete (CRUD), as well as browse *Test Results* for each test subject to *User's Role* as defined by *UCs*. | */schools* |
| * 1. **About** | Presents information about the ESMS(Effective school management system) project and his owner. | */about* |

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| 1. API Resources (Node.js Backend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Schools** | GET administrator (according to *User's Role* and identity) and POST new *School* | */api/schools* |
| * 1. **School** | GET, PUT, DELETE *School Data* (including *Questions* and *Answers*) for *School* with specified *schoolId* | */api/schools/{schoolId}* |