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| Assignment 1 | | Project Summary | |
| Course | | Fullstack Application Development with Node.js + Express.js + React.js - 2018 | |
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| Project author | | | |
| № | NoHomey | | Face-to-face/ online |
| 1 | NoHomey | | face-to-face |

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| Project name | IVAS-TECH Online Ordering system |

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| 1. Short project description (Business needs and system features) |
| The Company IVAS-TECH needs automation of it’s ordering system. The system will be developed as a *Single Page Application (SPA)* using ***React.js*** as front-end, and ***Node.js + express*** as backend technologies.  The main user roles (actors in UML) are:  • *Unregisterd User* – can only view the Sign in and Organzation manager pages  and access Sign up.  • *Regular User* (extends *Registered User*) – can make new orders, track all orders in the organization he is in, filter list all of his organization orders, view full order data, download file archive to order in his organization (well not really, can not proxy request in development)  • *Organization manager* (extends *Registered User*) – currently can do all that Regular users can, owns the organization |
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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **Sign in** | All not Logged in Users see and access only Sign in / Organization manager / Sign up | All not Logged in Users |
| * 1. **Sign up** | All not Logged in Userscan sign up in the system by providing a valid register information (link). | All not Logged in Users |
| * 1. **Create Organization** | All not Logged in Users can create new organizaion and be it’s organization manager. | All not Logged in Users |
| * 1. **View active orders** | All logged in users can view active orders and see full order information for selected order. | All Signed in Users |
| * 1. **Order** | *All logged in users can make new orders.* | All Signed in Users |
| * 1. **Filter orders** | Currently all logged in users can (only) set ordering filters and change setted ones. | All Signed in Users |
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| 1. Main Views (SPA Frontend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Sign in** | Presents Sign in form. | /signIn? |
| * 1. **Sign up** | Presents Sign up form. | */signUp/:organization/:email?* |
| * 1. **Organization manager** | Presents Organization manager form. | */createOrganization* |
| * 1. **Active orders** | Presents ability to view all active orders and access full order information for selected order. | */active* |
| * 1. **Order** | Presents ability to make new Order. | /order |

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| * 1. **Orders history** | Presents ability to filter list all made orders.. | /history |

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| 1. API Resources (Node.js Backend) | | |
| **View name** | **Brief Descriptions** | **Resource** |
| * 1. **Sign in** | Authorize | *POST /api/user/login* |
| * 1. **Sign up** | Register regular user at given organization | *POST /api/user/register/:organization* |
| * 1. **Organization manager** | Create organization and register as it’s organization manager | *POST /api/user/organizationManager* |
| * 1. **Orders history** | GETs all users in the user organization | *GET /api/organization/members* |
| * 1. **Order** | Make new order. | *POST /api/order* |
| * 1. **Active orders** | GETs all active orders (short) information in the user’s organization. | *GET /api/activeOrders* |

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| * 1. **Active orders** | GET full order information. | *GET /api/order/:id* |