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| Assignment 1 | | Project Summary | | |
| Course | | Fullstack Application Development with Node.js + Express.js + React.js - 2017 | | |
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| Project author | | | | |
| № | First name, last name | | E-mail | Face-to-face/ online |
| 1 | Iveta Champoeva | | ivi5317@gmail.com | face-to-face |

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| Project name | Cookbook |

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| 1. Short project description (Business needs and system features) |
| Cookbook provides detailed recipes and how-tos for different techniques. In addition, registered users can comment and add their own recipes and how-tos after the administrator approves it. 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:  • *Anonymous User* – can only view the recipes and how-tos  • *Registered User* – can comment and add new recipes and how-tos.  • *Administrator* – can manage all *Registered Users and their commits*. |

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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **Browse recipes and how-tos** | The *User* can browse the recipes and how-tos . | 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 User Data** | *Registered User* can view and edit their personal *User Data*.  *Administrator* can view and edit *User Data* of all *Users*. | *Registered User, Administrator* |
| * 1. **Add/Edit Recipes** | *Registered Users can add a new recipe by providing a title, picture and description.*  *Administrator can approve the recipe if they think it is suitable.* | *Registered User, Administrator* |
| * 1. **Add/Edit How-Tos** | *Registered Users can add a new how-to by providing a title, picture and description.*  *Administrator can approve the how-to if they think it is suitable.* | *Registered User, Administrator* |
| * 1. **Comment a recipe** | *Registered User can add a comment to a published recipe.*  *Administrator can manage the comments and remove them, if inappropriate.* | *Registered User, Administrator* |
| * 1. **Search** | *Users can search all recipes.* | *All Users* |

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| 1. Main Views (SPA Frontend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Home** | Presents a random recipe. | / |
| * 1. **Recipes** | Presents all the published recipes. | */recipes* |
| * 1. **How-Tos** | Presents all the published how-tos. | */how-tos* |
| * 1. **Register** | Presents the ability for an Anonymous User to register | */register* |
| * 1. **Contacts** | Presents information about the *Cookbook* and how to contact the administrators. | */contacts* |
| * 1. **User Profile** | Presents the information for a specific user profile | */profile/{userID}* |

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| 1. API Resources (Node.js Backend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Recipes** | GET all recipes | */api/recipes* |
| * 1. **Recipe** | GET a single recipe | */api/recipes/{recipeID}* |
| * 1. **How-Tos** | GET all how-tos | */api/how-tos* |
| * 1. **How-To** | GET a single how-to | */api/how-tos/{howTosID}* |
| * 1. **Add recipe** | POST a new recipe | */api/recipes/add* |
| * 1. **User** | GET a single user‘s info | */api/users/{userID}* |