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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 | | | | |
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| Project name | Blog Application |

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| 1. Short project description (Business needs and system features) |
| A simple Blog Application where the Administrator(Author) can publish posts(articles) and users can discuss them in the comments.The system will be developed as a *Single Page Application (SPA)* using ***React.js*** as front-end, and ***Node.js + hapi*** as backend technologies.  The main user roles (actors in UML) are:  • Administrator – Can make, edit, delete blog posts and user comments.  • Blog Manager – Can edit and delete user comments.  • Regular User – Can view posts as well as add comments to them.  • Anonymous User – Can only view the blog posts and their comments. |

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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **View Blog posts** | The *User* can view and read Blog articles. | All users |
| * 1. **Register** | *Anonymous User* can register in the system by providing a valid e-mail address and choosing password. | *Anonymous User* |
| * 1. **Change User Password** | *Registered User* change his password. | *Registered User, Administrator, Blog Manager* |
| * 1. **Manage Blog Posts** | *Administrator* can edit and delete posts in the system. | *Administrator* |
| * 1. **Manage Comments** | *Administrator and Blog Manager* can edit and delete post comments. | *Administrator, Blog Manager* |
| * 1. **Add Blog post** | *Administrator can create new articles in the Blog* | *Administrator* |
| * 1. **Add Comment** | *Administrator, Blog Manager and Regular User can add comments on a specific post.* | *Administrator, Blog Manager, Regular User* |

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| 1. Main Views (SPA Frontend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Home** | Presents all the recent posts in the Blog. | / |
| * 1. **Blog post** | Represents the details of the post(full description, comments section etc.) | */{postTitle}* |
| * 1. **User Change Password** | A form where you can change your password. | */changePass* |

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| 1. API Resources (Node.js Backend) | | |
| **View name** | **Brief Descriptions** | **URI** |
| * 1. **Users** | POST new *User Data*. Available only for *Anonymous Users*. | */api/users* |
| * 1. **User** | PUT *User Data* for *User* with specified *userId*. | */api/users/{userId}* |
| * 1. **Posts** | GET all Blog Posts.  POST new Blog Post Data. \*Available only for the Administrator. | */api/posts* |
| * 1. **Post** | GET Blog Post Data (including Comments).  PUT, DELETE Blog Post *Data. \**Available only for the Administrator | */api/posts/{postId}* |
| * 1. **Post Comments** | POST new *Comment.* | */api/posts/{postId}/comments* |
| * 1. **Post Comment** | GET, PUT, DELETE *Comment Data. \*Available only for the Administrator and the Blog Manager.* | */api/posts/{postId}/comments/{commentId}* |