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| Project name | Restaurant Management System |

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| 1. Short project description (Business needs and system features) |
| Our research suggests that restaurant owners see the need for technology to simplify their work.  This restaurant management system, is a software, that helps streamline food business operations.  It combines tools for taking table reservation, streamline inventory management and order management  The main user roles (actors in UML) are:  • *Server*(extends *Registered User*) *-can make orders and reserve tables* .  • Manager(extends *Registered User*) – Adding recipes and managing server’s data.  • *Administrator* (extends *Registered User*) – can manage (create, edit user data and delete) all *Registered Users*, as well as *Tests* and *Test Results*. |

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| 1. Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Descriptions** | **Actors Involved** |
| * 1. **Reserving tables** | The Server and Manager can take reservations. Choosing empty table and exact number of people and time when the should arrive. | All users |
| * 1. **Register** | *Managers and Administrators can register* can register new Server in the system, by providing a valid e-mail address, first and last name, and choosing password. By default all new registered users have Server role.  *Only Administrator* can register new Manager and can make User with Server role ,Manager. | Manager ,Administrator |
| * 1. **Change User Data** | *Managers* can view and edit their personal and other Servers *User Data*.  *Administrator* can view and edit *User Data* of all *Users* and assign them *Roles*: Server*, Manager*, or *Administrator*. | Manager , 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 manage, and can manage the chosen User - edit (using Change User Data UC) or delete.  *Administrator* can create a new user using *Register UC*. | *Administrator* |
| * 1. **Manage Recipes** | *Manager* can browse Recipes, add new Recipes using *Add/Edit Recipe*, and delete a Recipe.  *Administrator* can browse recipes of all *Instructors*, edit and delete them. | *Manager, Administrator* |
| * 1. **Add/Edit Test** | *Manager* or *Administrator* specifies/edits Recipes meta-data such as: recipe name, ingredients, description, and tags. Manageror *Administrator* creates/edits Menu*,* and can delete chosen dish from menu*. Manager* or *Administrator* saves the edited Menu*.* | *Manager, Administrator* |
| * 1. **Add order** | *Server can make orders ,choosing exact table ,and foods and drinks .* | Server |
| * 1. **Edit Order** | *Manager can edit/delete food or drink from order or change the table.* | Manager |
| * 1. **Edit menu** | *Manager and Administrator can change add/delete dishes from menu.* | Manager,Administrator |

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| 1. Main Views | |
| **View name** | **Brief Descriptions** |
| * 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 login. |
| * 1. **Operations** | Presents operations available according to *User's Role* and identity. Offers abilities to create, read, update, delete (CRUD) Recipes, as well as to complete reserve Table and making Order . |
| * 1. **Menu Details** | Provides ability to enter/edit Food and Drinks details . |
| * 1. **Complete Menu** | Present current Menu . |
| * 1. **Restaurant** | Provides ability to browse all free tables in restaurant. |
| * 1. **Make Order** | Presents ability to view and make Order. |
| * 1. **Users** | Presents ability to manage (CRUD) *Users* and their *User Data* (available for *Administrators* only, as described in UCs). |
| * 1. **About** | Presents information about the Restaurant . |