**Requirements Document**

For Individual track project S3



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# Project Introduction

My project is a web application and its main purpose is to be used in various restaurants from staff to keep track of people’s orders.

The idea of this app is not to serve as a solution to an existing problem, but a product for a client.

The idea originated when I saw a real application serving that purpose and thought that it could be improved. That is my chance to prove my point.

The application will, of course, have the same functionalities inside of it as a real one. It will be able to create an order and track it for each separate table as well as the bill and calculate it in real time (if a product is added to the order the total amount of the bill is increased by the added product’s price). The person responsible for that table will be able to finalize the table’s order. By finalize I mean when the people decide they are done and want to leave, the waiter/waitress uses the application to get their receipt. More of the functionalities can be seen below.

# Version table

|  |  |
| --- | --- |
| Version | Description |
| 1.0 | Work in progress |

# Functional requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Functional Requirement ID | Requirements description | Must/Should/Could/Will not have | Comments |
| FR-01 | Staff members must be able to take the order of a table and register it inside the web application | Must |  |
| FR-02 | Staff members must have an option to finalize an order of a table | Must |  |
| FR-03 | The web app must have a database to store information about dishes and staff | Must |  |
| FR-04 | The web app must have a functionality to register employees to db | Must |  |
| FR-05 | The web app must have a functionality to read employees from db | Must |  |
| FR-06 | The web app should have a functionality to update employees in db | Should |  |
| FR-07 | The web app must have a functionality to remove employees from db | Must |  |
| FR-08 | The web app must have a functionality to add dishes and drinks to db | Must |  |
| FR-09 | The web app could have a functionality to read dishes and drinks from db | Should |  |
| FR-10 | The web app must have a functionality to update dishes and drinks in db | Must |  |
| FR-11 | The web app must have a functionality to remove dishes and drinks from db | Must |  |
| FR-12 | Every dish must have a unique code/id | Must |  |
| FR-13 | The web app should have a login page for staff and can be only used by them | Should |  |
| FR-15 | The web app should have an admin account that has more functionalities than staff account | Should |  |
| FR-16 | Staff members should have an option to create a receipt without finalizing the order | Should |  |
| FR-17 | Staff members should be able to print receipt to text file | Should |  |
| FR-18 | Web application must have a predefined number of total tables (some will be added for demonstration purposes) | Must |  |
| FR-19 | Staff members must be able to select on or more tables to serve | Must |  |
| FR-20 | The web app must not allow more than one staff member to take care of one table | Must |  |
| FR-21 | The web app must have a page with a list of all dishes and drinks (in case a staff member forgot or does not know the code/id) | Must |  |
| FR-22 | The web app must have a working search bar on the page from FR-21 for easier and faster work | Must |  |
| FR-23 | The web app must be able to calculate the price of an order in real time (when a dish/drink is added the app adds the price of the product to the bill) | Must |  |
| FR-24 | The staff member should be able to choose the number of products they want to add to the order | Should |  |
| FR-25 | The web app could have an option to “save orders” of usual clients | Could |  |
| FR-26 | The web app could generate a personalized QR code for the usual customers | Could |  |

# User Stories

* 1. US-01

|  |  |  |
| --- | --- | --- |
| Name: Registering products for table | Priority: Must | Estimation: 13 |
| User story:  As a staff member,  I want to register an order in the web application,  So I can keep track of the table’s order. | | |
| Acceptance criteria:  There must be a way for inputting product id and to add it to the order. There also must be a list viewing for each table to display the dishes the table has purchased so far. | | |

* 1. US-02

|  |  |  |
| --- | --- | --- |
| Name: Registering employees and products in application | Priority: Must | Estimation: 21 |
| User story:  As a manager,  I want to register products in the web application,  So I can then use them to create orders. | | |
| Acceptance criteria:  There must be way for entering the name of a product and to add it to the list of all products which should also be shown. | | |

* 1. US-03

|  |  |  |
| --- | --- | --- |
| Name: Completing order | Priority: Must | Estimation: 8 |
| User story:  As a staff member,  I want to complete order,  So I can use the table again for the next customers. | | |
| Acceptance criteria:  There has to be a way to complete the order.  There application should automatically print the receipt on a text file. | | |

* 1. US-04

|  |  |  |
| --- | --- | --- |
| Name: Registering employees and dishes | Priority: Must | Estimation: 13 |
| User story:  As an admin,  I want to be able to add new employees and dishes,  So I can then use them in an order. | | |
| Acceptance criteria:  There must be way for entering the name of a product and to add it to the list of all products which should also be shown. | | |

* 1. US-05

|  |  |  |
| --- | --- | --- |
| Name: Logging in | Priority: Could | Estimation: 13 |
| User story:  As a staff member,  I want to login in the application,  So I can use it. | | |
| Acceptance criteria:  The login page has a way for inputting my credentials  and logging in. | | |

* 1. US-06

|  |  |  |
| --- | --- | --- |
| Name: Viewing products and employees | Priority: Must | Estimation: 13 |
| User story:  As a staff member,  I want to be able to see all products and employees,  So I use the information when needed. | | |
| Acceptance criteria:  There must be a way to display all employees and products. | | |

* 1. US-07

|  |  |  |
| --- | --- | --- |
| Name: Registering an order | Priority: Must | Estimation: 21 |
| User story:  As a staff member,  I want to register an order in the web application,  So I can keep track of the table’s order. | | |
| Acceptance criteria:  There must be a way to input product id and to add it to the order. There also must be a list viewing for each table to display the dishes the table has purchased so far. | | |

# Backlog

