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CSC 380

**Restaurant Management System**

* (1) Project description: a narrative in English, written by a potential client or user of your software product
* (2) a list of system requirements, together with priorities, as described in class
* (3) the same list in the form of user stories, together with a size estimate, as described in class

**1. Project Description:**

Restaurant Management System key features

* Login Screen w/ Password/Time Management
* Ordering Service/Food Menu Buttons
* Inventory Management
* Tables/Customers Management

Alex: Describe the system

**2. System Requirements:**

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| --- | --- | --- |
| Identifier: | Priority (1(Low) – 5(High): | Requirement: |
| REQ1 | 5 | The system shall keep itself password locked, unless unlocked by an authorized user. An authorized login made up of a username and key-code will bring the system to the next interactive page. 5 invalid logins will lock the system unless overridden by an administrator. |
| REQ2 | 3 | The system shall return to its locked state when commanded by pressing a designated button. |
| REQ3 | 5 | The system shall have a home screen to navigate through different pages/screens. |
| REQ4 | 3 | The system should shall maintain a log of employee hours from the time of login until the time of logout. |
| REQ5 | 4 | The system shall maintain a log of all available inventory and alert the user when an item’s inventory is 0. An authorized user should be able to restock empty inventory. |
| REQ6 | 3 | The system should allow users to add, manage, and remove customers from a table. |
| REQ7 | 4 | The system should allow the user to select and deduct customer orders from the inventory when commanded by pressing a designated menu item button for a specific table. |
| REQ8 | 1 | The system shall display a waiting time for each table from order time until food is delivered. |
| REQ9 | 3 | The system should include a checkout function for each designated table and generate the table bill. |
| REQ10 | 1 | The system should maintain a log of all bills. |

**3. User Stories:**

|  |  |  |
| --- | --- | --- |
| Identifier: | User Story: | Size: |
| ST-1 | As an authorized user I can securely log on the system. | 5 points |
| ST-2 | As an authorized user, I can log off the system when commanded. | 3 points |
| ST-3 | As an authorized user, I can easily access the system page I need. | 9 points |
| ST-4 | As an authorized user, I can log and track how long I’ve been working. | 6 points |
| ST-5 | As an authorized user, I can track how much inventory is available. | 7 points |
| ST-6 | As an authorized user, I can view and manage customer orders and transactions. | 9 points |
| ST-7 | As an authorized user, I can select from menu items to take customer orders. | 5 points |
| ST-8 | As an authorized user, I can keep track of how long a customer has been waiting since ordering to ensure customer satisfaction. | 3 points |
| ST-9 | As an authorized user, I can generate the bill for a customer. | 6 points |
| ST-10 | As an authorized user, I can access a history of previous customers. | 5 points |