**Table 1: Requirements**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Module** | **Functional /Non-Functional** | **Description** | **Priority** | **Risk** | **Status** |
| 1 | Employees | Functional | The system will enable decision of required roles (Cashier, Storekeeper, GeneralEmployee, ShiftManager, SecurityGuard, Stweard, Cleaner) and quantity of each in every branch in anytime. | MH | High | Done |
| 2 | Employees | Non-Functional | The system will enforce requirements on all branches of the company. | MH | Low | Done |
| 3 | Employees | Functional | The system will enable scheduling morning and evening shifts to every branch separately by the user's input | MH | High | Done |
| 4 | Employees | Non-Functional | The system will enable each employee to work at several branches in separate days. | MH | Low | Done |
| 5 | Employees | Functional | The system will Identify illegal shift scheduling and will notify the HR manager about that. Illegal shift scheduling is when the schedule contradicts constraints. | MH | High | Done |
| 6 | Employees | Non-Functional | The system will Identify the following as illegal shift scheduling: an employee working more than two shifts a day, an employee working more than 6 days a week, an employee signed up for a shift on a day that the branch is closed,\_\_\_. | MH | High | Done |
| 7 | Employees | Functional | The system will register users with a username and password for each user, with a unique username to each.(Inferred) | MH | Low | Done |
| 8 | Employees | Non-Functional | The system will Identify each user as a certain employee in the company.(Inferred) | NTH | Low | Done |
| 9 | Employees | Functional | The system will allow employee users to register themselves to shifts that hasn't happened yet (Inferred) only If they abide legal shift scheduling. | MH | High | Done |
| 10 | Employees | Functional | The system will enable HR manager user to verify each shift. | MH | High | Done |
| 11 | Employees | Non-Functional | The system will Identify some of its users as HR manager. (Inferred) | MH | Low | Done |
| 12 | Employees | Functional | The system should allow the HR manager to specify the work days and shift hours of each branch. | MH | High | Done |
| 13 | Employees | Functional | The system should note the different activities that occurred during each shift (such as the starting and end time of the shift, product cancellations at the register, etc.) | NTH | High | Done |
| 14 | Employees | Functional | The system should allow product cancellations at the register, and only to employees with a cancellation card. | MH | High | Done |
| 15 | Employees | Non-Functional | The system should enforce that there will always be a shift manager in every shift, the shift manager will be certified to use his cancellation card and manage the team. | MH | High | Done |
| 16 | Employees /Inventory | Functional | For every product cancellation at the register, the system should save the following cancellation details: cancelled product id, cancelling employee id, date and time of cancellation, in order to track the activity of the shift workers. | NTH | Medium | Done |
| 17 | Employees | Functional | The system should allow the HR manager to update each employee's details, as well as certify/remove different roles/certifications for each one. | MH | Medium | Done |
| 18 | Employees | Non-Functional | The system should save the following details for each employee: name, id, bank details, salary, employee conditions, employment date and other information if needed. | MH | Low | Done |
| 19 | Employees | Non-Functional | The system should support managing a number of different branches, each branch should have an HR manager and should be able to manage its employees and shifts independently. | MH | High | Done |
| 20 | Employees | Non-Functional | The system should enforce that each employee will only be able to work in certain shifts according to his certifications. | MH | High | Done |
| 21 | Employees | Functional | The system should calculate the employee's salary automatically, and allow modifying it (for example, by giving a bonus) | NTH | High | Done |
| 22 | Employees | Non-Functional | The system will only allow the following possible roles for the employees: Shift Manager, Cashier, Storekeeper, Security Guard, Cleaner, Steward, General Employee and Driver. It won't be possible to add new roles. | MH | Low | Done |
| 23 | Employees | Non-Functional | The system should allow for different employee roles to exist in each branch, but all branches will always have the following roles: Shift Manager, Cashier, Storekeeper and General Employee. | MH | Low | Done |
| 24 | Employees | Non-Functional | The system will enforce that there will be a valid shift schedule at least 24 hours before the shift, otherwise, the system will notify the HR manager about that. | NTF | High | Backlog |

**Table 2: Open Questions**

|  |  |  |
| --- | --- | --- |
| **#** | **Topic** | **Issue** |
| 1 | Salary | How is the employee's salary calculated? Which information should the system save to calculate it? (Total worked hours, hourly rate for each role, base salary, bonuses, etc.) |
| 2 | Employment Conditions | What are the employment conditions that are needed to be saved for each employee? What is an example of an employment condition, can it have multiple composite values? Can it be simply represented as a string? |
| 3 | Cancellation Card | How should we save the cancelled product details, and is it related to the Inventory Module? |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

**Table 3: Assumptions**

|  |  |  |
| --- | --- | --- |
| **#** | **Topic** | **Assumption** |
| 1 | Employment Conditions | The employment conditions of each employee are given as a string. |
| 2 | Valid Shift | A shift with more than the needed amount of employees, is also a valid shift construction. |
| 3 |  |  |
| 4 |  |  |