**Requirements Document**

1. [**Functional**](https://en.wikipedia.org/wiki/Functional_requirement)

**Requirement #1:**

1. **ID Number**: 01
2. **Type**: Functional
3. **Description**: Allow Administrative to login to the application.
4. **Rationale**: Allowing login and logout as Admin is necessary, will give administrators specific authorization access, and do tasks that regular users don’t have the power to do.
5. **Fit Criterion**: Admin will only create one password and need to be 5-digit numbers.
6. **Priority**: High priority.
7. **Dependencies:** N/A

**Requirement #2:**

1. **ID Number**: 02
2. **Type**: Functional
3. **Descriptio**n: Allow workers to login to the application.
4. **Rationale:** Allowing login as a worker will allow admin to keep track of worker’s time and be able to print out their total and keep track of worker data.
5. **Fit Criterion**: Workers will only create one password and need to be 4-digit numbers.
6. **Priority**: High priority.
7. **Dependencies**:

**Requirement #3:**

1. **ID Number**: 03
2. **Type**: Functional
3. **Description**: Input customer’s information into the system.
4. **Rationale**: this will help the salon keep track of the number of customers, also it is necessary to know how to contact customers.
5. **Fit Criterion**: Customer will need to fill in specific fields such as name, phone number, date of birth, before data can be saved.
6. **Priorit**y: Medium priority.
7. **Dependencie**s: Requirement #1,2. Admin or worker need to log in before doing this step.

**Requirement #4:**

1. **ID Number**: 04
2. **Type**: Functional
3. **Description**: Store Customer’s information into files**.**
4. **Rationale**: It is important to save customers’ information into files.
5. **Fit Criterion**: User will be able to decide where to save files.
6. **Priority**: High priority.
7. **Dependencies:** need to add customer information before stores it into database.

**Requirement #5:**

1. **ID Number**: 05
2. **Type:** Functional
3. **Description**: Calculate service details of customers.
4. **Rationale:** It will help the user to know total money when check out for customers.
5. **Fit Criterion**: There will be a total of services that are shown on the screen.
6. **Priority**: Medium priority.
7. **Dependencies**.

**Requirement #6:**

1. **ID Number**: 06
2. **Type**: Functional
3. **Description**: Print out customer’s receipt**.**
4. **Rationale**: It is helpful and helps customers to know what services they use and how much did they spend.
5. **Fit Criterion:** there will be a list of services, subtotal and total money for each customer.
6. **Priority**: Low priority
7. **Dependencies:** requirement 1 or 2

**Requirement #7:**

1. **ID Number**: 07
2. **Type**: Functional
3. **Description**: Calculate the total money of the salon.
4. **Rationale:** it is necessaryto know how much money the whole salon makes. It will be handful in tax season.
5. **Fit Criterion:** there will be printed out the money each worker makes in a day and calculate the total number of monies for the salon.
6. **Priority**: high priority
7. **Dependence**: requirement #5

**Requirement #8:**

1. **ID Number**: 08
2. **Type**: Functional
3. **Description**: management employer data
4. **Rationale:** it is important to know and store workers’ data in the database and secure it.
5. **Fit Criterion:** It will be able to print the list of workers information
6. **Priority**: high priority
7. **Dependencies**: requirement #1, Admin will need to login to be able to see report.
8. **Look and Feel**
   * + **A screenshot of a login screen

       AI-generated content may be incorrect.Fig 1. Login for employees**
     + **Fig 2. Login as Administrator**

**A screen shot of a login

AI-generated content may be incorrect.**

* + - **Fig 3. Main screen of the application**

**A screenshot of a computer

AI-generated content may be incorrect.**

* + - **Fig 4. Check-in for customer**

**A screenshot of a computer

AI-generated content may be incorrect.**

* + - **Fig 5. Print receipt for customer**

**A screenshot of a check out

AI-generated content may be incorrect.**

* + - **Fig 6. Management**
    - **A screenshot of a computer

      AI-generated content may be incorrect.**

1. **Usability**

This application will be user-friendly, easy to learn and use, aged from 10 to 80. It will be used offline and for small organizations such as nails salon, hair salons, massage places. It is convenient and useful when using it because it helps keep track of customers, and money.

* 1. **Ease of Use**: User friendly
  2. **Personalization and Internationalization:** Personal use only
  3. **Learning**: Easy to learn how to use.
  4. **Understandability and Politeness**: language is English.
  5. **Accessibility**: Age from 10 to 80
  6. **Convenience**: Keep track of customer information and salon data and money.

1. Performance
   1. **Speed and Latency**: Fast responds.
   2. **Safety-Critical:** including security passwords, and security policies.
   3. **Precision or Accuracy:** accurate calculations.
   4. **Reliability and Availability:** reliable and available during business hours.
   5. **Robustness or Fault-Tolerance:** able to handle user input errors and system faults
   6. **Capacity:** managing customers, passwords and employee data.
   7. **Scalability or Extensibility:** allowing the future to extend and develop.
   8. **Longevity:** long-term without depending on server.
2. **Maintainability and Support**:

It will be totally offline. However, still be able to get support through phone calls, or message.

1. **Security**
   1. **Access**: Offline, local database and application can be installed in desktop.
   2. **Integrity:** maintain data accuracy, and consistency.
   3. **Privacy**: private policies applied such as SSP, password policies, data breach response.
   4. **Audit**: possible audit and patch frequently as 1 per month.
   5. **Immunity:** possible be protected by Antivirus programs.