**Functional Requirements:**

There are a lot of software requirements specifications included in the functional requirements of the RID, which contains various process, namely Registration, Check out, Report Generation, and Database.

**Registration Process of RID:**

● Adding Providers: The super admin enables the biller to include new providers to the system.

● Assigning an ID to the Providers: The super admin enables the biller to provide a unique ID for each provider and then add them to the record sheet of the Provider. The Providers can utilize the ID throughout their hospital stay.

**Check Out of RID:**

● Deleting Provider ID: The super admin can delete the Provider ID from the system.

● Adding to beds available list: The Staff in the administration section of the ward can put the bed empty in the list of beds-available.

**Billing Report upload:**

● Information of the Provider: The RID generates a report on every Provider regarding various information like Provider’s name, Phone number, billing number, the doctor's name whom its assigns, ward name, and more.

● Availability of the Bed: The RID also helps in generating reports on the availability of the bed regarding the information like bed number unoccupied or occupied, ward name, and more.

**Report Generation of RID:**

● Information of the Provider: The RID generates a report on every Provider regarding various information like Provider’s name, Phone number, billing number, the doctor's name whom its assigns, ward name, and more.

● Availability of the Bed: The RID also helps in generating reports on the availability of the bed regarding the information like bed number unoccupied or occupied, ward name, and more.

**Database of RID:**

● Mandatory Provider Information: Every Provider has some necessary data like phone number, their first and last name, personal health number, postal code, country, address, city, 'Provider's ID number, etc.

● Updating information of the Provider: The RID enables users to update the information of the Provider as described in the mandatory information included.

**Non-Functional Requirements**

There are a lot of software requirements specifications included in the non-functional requirements of the RID, which contains various process, namely Security, Performance, Maintainability, and Reliability.

**Security:**

● Provider Identification: The system needs the Provider to recognize herself or himself using the phone.

● Logon ID: Any users who make use of the system need to hold a Logon ID and password.

● Modifications: Any modifications like insert, delete, update, etc. for the database can be synchronized quickly and executed only by the ward administrator.

● Front Desk Staff Rights: The staff in the front desk can view any data in the RID, add new Providers record to the HMS but they don't have any rights alter any data in it.

● Administrator rights: The administrator can view as well as alter any information in the RID.

**Performance:**

● Response Time: The system provides acknowledgment in just one second once the 'Provider's information is checked.

● Capacity: The system needs to support at least 1000 people at once.

● User-Interface: The user interface acknowledges within five seconds.

● Conformity: The system needs to ensure that the guidelines of the Microsoft accessibilities are followed.

**Maintainability:**

● Back-Up: The system offers the efficiency for data back up.

● Errors: The system will track every mistake as well as keep a log of it.

**Reliability:**

● Availability: The system is available all the time.