1. **Introduction:**

The Princeton Hospital is a [health care](https://en.wikipedia.org/wiki/Health_care) institution providing [patient](https://en.wikipedia.org/wiki/Patient) treatment with specialized medical and nursing staff and medical equipment.   
Princeton Hospital plans to develop a Case Report Generating application, A desktop application [Core Java Batches – Swing Application] where the receptionist will fill in the form details for a patient and a report will be generated by the patient for the particular doctor.

**Scope and Review:**

The scope of the application will be to provide the functionality as described below. The system will be developed on a windows OS using Java / J2EE.

**2. Functional Requirements:**

* The users of this application are:

1. Administrator – Add/ Update / Delete / View the details of the patient.
2. Patients – Add / Update the details of the patient by filling up and submitting an input form.
3. Doctors – View the Report Generated for patients of their particular department.

* The application should be able to generate a report of a specific patient for a specific doctor.

All the users shall be able to log in and register into the application after authentication they shall be able to access the form and reports depending upon their authorization.

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| --- | --- | --- |
| Requirement Id | Description | Priority |
| AA-001 | All users (administration, patient, doctor) Logging into the application should be authenticated using a unique login id and password (operations to be performed depending upon their authentication ) | P1 |
| AA-002 | All user should be able to change their passwords. | P2 |

**Exit Handlers:**

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| --- | --- | --- |
| Requirement Id | Description | Priority |
| EX-001 | The application should handle log out (close all the database connection, invalidate sessions). | P1 |

**ADMINISTRATOR :**

|  |  |  |
| --- | --- | --- |
| Requirement Id | Description | Priority |
| AD-001 | The admin should be able to add details of the patient. | P1 |
| AD-002 | The admin should be able to add details of the patient. | P2 |
| AD-003 | The admin should be able to add details of the patient. | P3 |
| AD-004 | The admin should be able to add details of the patient. | P4 |

**RECEPTIONIST**

|  |  |  |
| --- | --- | --- |
| Requirement Id | Description | Priority |
| AD-001 | The receptionist should be able to add details of the patient. | P1 |
| AD-002 | The receptionist should be able to update the details of the patient. | P2 |

**DOCTOR**

|  |  |  |
| --- | --- | --- |
| Requirement Id | Description | Priority |
| AD-001 | The doctor should be able to view details of the patient. | P1 |
| AD-002 | The doctor should be able to delete details of the patient. | P2 |

**3.Interface Requirement:**

The project requirements for it to be developed in GUI application using Java Swings [Core] and Oracle 6G Databases

**4. Non- Functional Requirements:**

• The application must be simple and easy to maintain.

• Designer/Programmer needs to consider various constraints and assumptions.

• The application should be able to handle simultaneous requests from multiple clients.

• There should be a default username and password with the administrator.

• The application must force the user to fill all the mandatory details and must reject the inputs which don’t meet the criteria.

**5. Assumptions / Dependencies / Limitation:**

* The scope of application is limited to hospitals only.
* The database constraints shall be set by the administrator.
* The report shall be visible for a patient to a particular doctor.