# Software Engineering and Design – Task 1

Medical Health Care – Patient Management System

**1.1. Target users:**

* Clinical staff
  + Doctors
  + Nurses
  + Health visitors
* Receptionists
* Medical Records Staff
* Hospital Management (No direct access)

**1.2. Key Features**

**Clinical staff:**

- Provide medical staff with information to facilitate the treatment of patients.

Receptionist:

* Making appointments

Medical Records Staff:

* Making management/performance-reports

**Hospital management:**

* “Read only” management information

**Health service Management:**

- Generation of management information that allows health service managers to assess performance against local and government targets.

**1.3. Critical success factors**

* Data Protection Act that governs the confidentiality of personal information
* Mental Health Act that governs the compulsory detention of patient deemed to be a danger to themselves or others.

**1.4. Potential system components and architecture**

Architecture:

* Web based platform
* Database

Components:

* Agenda
* Patient database
* Medics and prescription
* Patient Viewer +Risk Patient Flag
* User Authentication
* Reporting Component
* Mental Health Record
* Admin Tool