**Question 1: List of 6 functional requirements(Health service management: 3; System admintrators and records managers: 3 and 2 non-functional requirements of the system**.

- List of 3 health service management functional requirements

1. Mentcare system must allow health service management to reports covering consultations, diagnoses and treatments.

2. Mentcare system does not allow health service management to access to the clinical features of the system.

3. Mentcare system does not allow health service management to interact with the system directly.

- List of 3 system admintrators functional requirements

1. Mentcare system must allow system admintrators and records managers to ensure the overall integrity and security of the data in the system.

2. Mentcare system must allow system admintrators and records managers to intergrate the system with the other patient record systems, sharing information when required.

3. System admintrators ensure the security and integrity of the system. Records managers ensure that the system conforms to legal requirements on personal information system.

- List of 2 non-functional requirements of the system.

1. Hospital managers never be allowed to access to individual patient information

2. The system must be available when needed otherwise safety may be compromised and it may be impossible to prescribe the correct medication to patients.

**Question 2: Write 2 user stories for Admintrators, Healthy service management**

* 2 user stories for Admintrators:

1. As a admintrator, I want to be allowd to interact directly with the system so that I can use it in conjuction with a generic appointments system to record information about patient appointments

2. As a admintrator, I want to be alowed to generate report for clinic management so that the Clinical staff con look up and modify patient information

* 2 user stories for Healthy service management:

1. As a healthy service management, I want the reports in intitiated by medical records staff so that I can make use of reports covering consultations, diagnoses and treatment.

2. As a healthy service management, I want to not be allowed to access to the clinical features of the system or to individual patient records so that I have no responsibility to interact directly with the system.

**Question 3 : Suggest the most suitable software development model to build this system and clarify why you choose this model by following criteria**

According to the requirements of the context.In my opinion, the most suitable software development model to bulid this system is Waterfall method. The reason why I use this model can be divided into main reasons.

a. Requirements characteristics

In this context, the reliability of the system must be available when needed otherwise safety may be compromised. And this system must be available 24 hours per day and 7 days per week. So it is important to maintain the system with no failure. The Waterfall method is the model can control the failure of system highly.

Type and number of the requirements are so clearly to know. The solution for system management is mentioned on this context so clearly.

The requirement of this system may be can not change oftenly. Because this requirements for a large number of users, and the requirements for each position is clearly. In my opinion, it may not change in the future.

As I mentioned in the second paragraph. Each function for each position is mentioned clearly. So that in early stage, the requirements can be easy to defined.

b. Development team :

The team size of the project is 20 members in total. We have 1 BA to analyst the requirement of the system within the support of Information Technology department of medical center. The solution for this system could be sovled. 14 developers can divided into 3 group Design, Implement, Testing and give a finally product in the end of stage.

Within the supporrt from Information Technology, the level of unstanding user requirements by the developers is high. We also have BA in team to analyst the user requirements.

c. User involvements in this projects is staff positions in medical center and patients. So the involvement is mid-size, equal with average.

**Question 4 : Draw a story map for the Managing involuntary detention**

Managing involuntary management

Task

Object-

Patients

System

Oriented

Make provision for manage patients

Confined to a secure

Release 1

Ensure the legal requirements

Be treatment and observation

Release 2