# 3 Architecture requirements

## 3.1 Access channel requirements

- It is going to be accessed by humans using android and web application.

## 3.2 Quality requirements

### 3.2.1 Performance requirements

- The system should process all the reports within 10 seconds.

- It should send the information to the server within seconds.

### 3.2.2 Reliability requirements

- The system should be up and running all the time.

- Easy and fast access to the database.

- The system will save made changes if the system crashed.

### 3.2.3 Scalability requirements

- The system should be able to handle all death scenes captured information.

- It should allow additional templates.

### 3.2.4 Security requirements

- The system is accessible to users who are authorized.

- System users will have different permission.

- Information about death scenes will be encrypted.

- Information stored by forensic officers will not be edited after the submission.

### 3.2.5 Flexibility requirements

- If something happen when the forensic officer is capturing information, it should automatically be stored in the server.

### 3.2.6 Maintainability requirements

- The system will be maintained every time the client needs new changes.

### 3.2.7 Auditability requirements

- The system should record all the changes made to the data stored, by showing whom, when and what was changed.

- It will also show old and new values.

### 3.2.8 Integration requirements

- Database will be created from scratch.

- The android application will be connected to the web service and the web service connected to the server.

### 3.2.9 Usability requirements

- Users should be able to use the system without prior training.

- The system will be in English.

## 3.3 Integration requirements

- This system will be able to access

* Afrihost, MySQL

3.4 Architecture constraints

- The technologies that we will use is Asus nexus 7

* Android SDK
* MySQL
* HTML5,PHP,apache(Afrihost)
* Java, JavaScript
* Ajax, jQuery, SOAP

-The mobile client must be running on an android application.