Cairo University  
Faculty of Computers and Information



**CS251**

**Software Engineering II**

Android Monitoring Theft

Software Design

November 2016

Contents

[Instructions [To be removed] 3](#_Toc434318348)

[Team 3](#_Toc434318349)

[Document Purpose and Audience 3](#_Toc434318350)

[System Models 3](#_Toc434318351)

[I. System Decomposition 3](#_Toc434318352)

[II. Class diagrams 6](#_Toc434318353)

[Important Algorithm 7](#_Toc434318354)

[III. Sequence diagrams 8](#_Toc434318355)

[Class - Sequence Usage Table 9](#_Toc434318356)

[IV. Physical Entity-Relationship Diagram 10](#_Toc434318357)

[V. User Interface Design 10](#_Toc434318358)

[VI. Bonus: State Diagram and OCL 12](#_Toc434318359)

[Ownership Report 12](#_Toc434318360)

[Policy Regarding Plagiarism: 12](#_Toc434318361)

[References 12](#_Toc434318362)

[Authors 12](#_Toc434318363)

# Team

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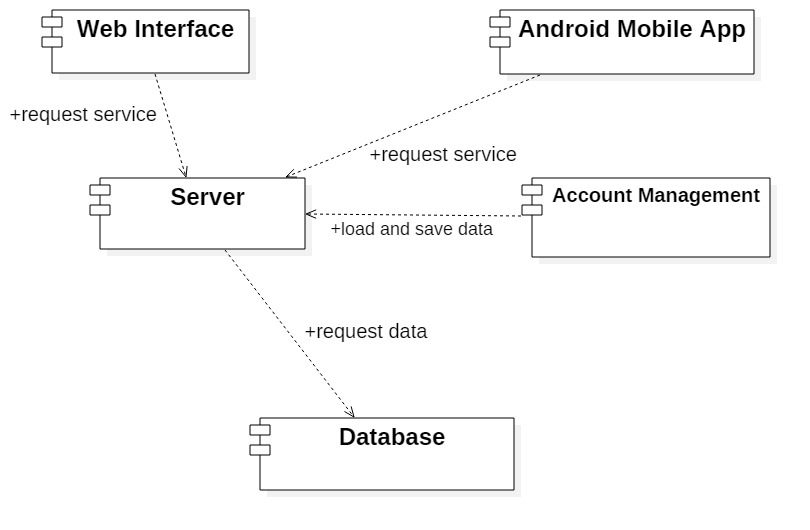
# Document Purpose and Audience

* **This document is software design specifications.**
* **The expected audience are (software developers, software testers, project owner)**

# System Models

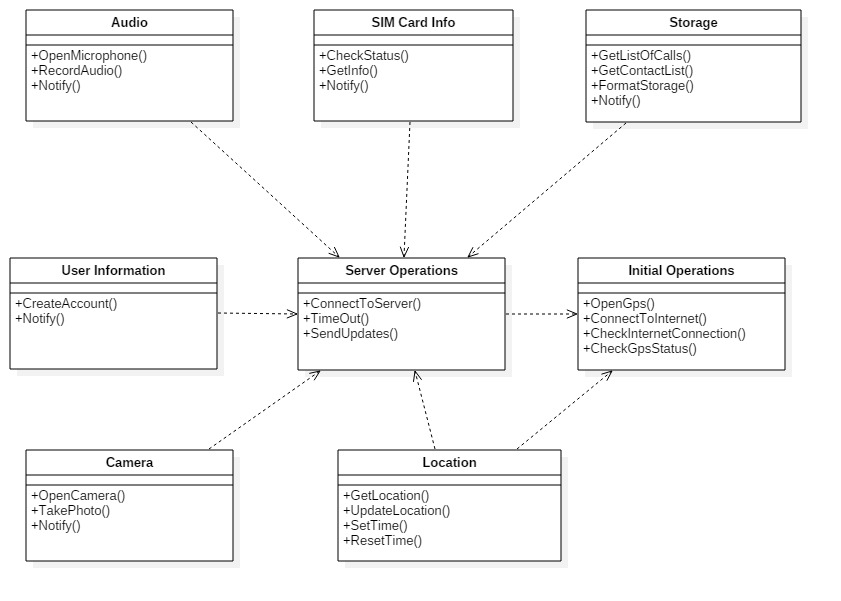
## I. System Decomposition

* **Provide and describe a figure that depicts the overall system decomposition.**



## II. Class diagrams

* **Class diagram provides a description about the internal structure of the system, classes that made the system and the relationships between them**
* **Each class provides some operations that represent the functionality of the system.**



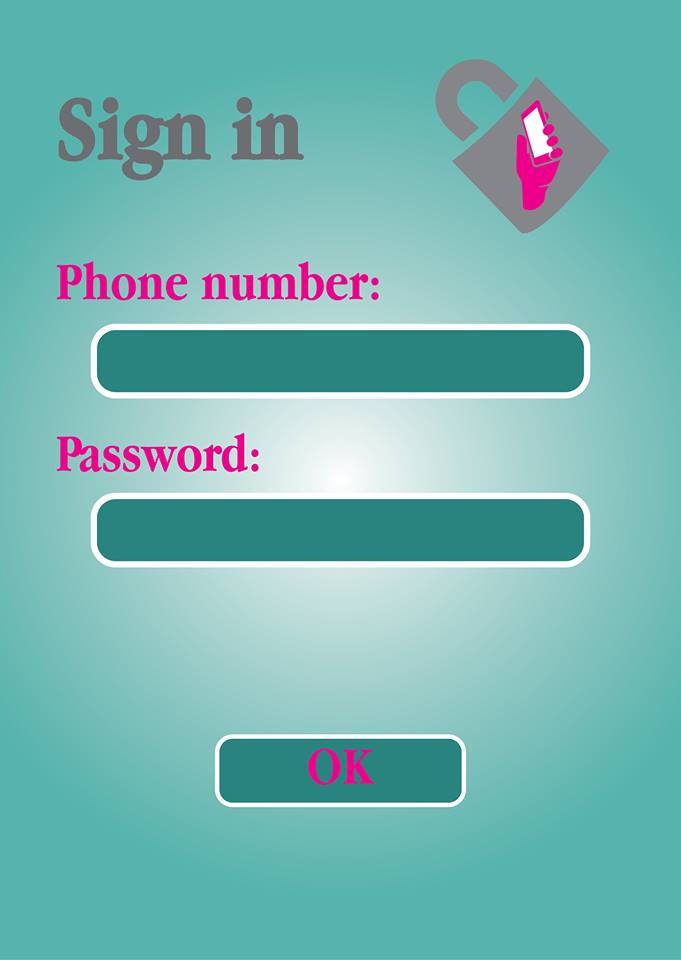
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## III. Sequence diagrams

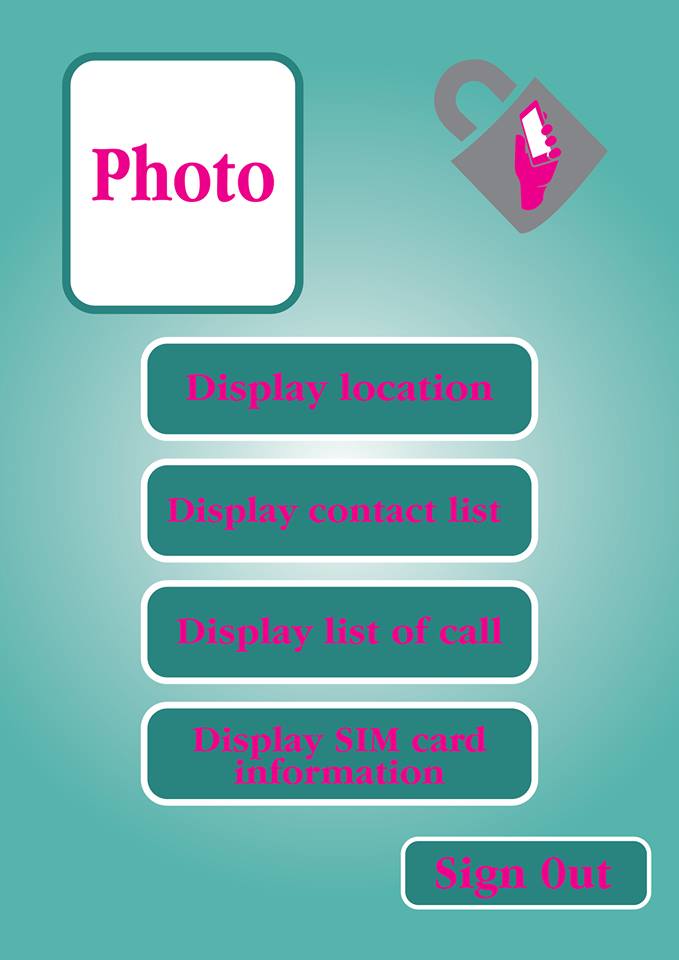
* **List Sequence diagrams for all requirements. Provide for each Sequence an ID.**
* **Usually each use case is represented by a sequence diagram or more.**
* **Overall, all the diagrams should represent all requirements and possible flows.**
* **Make sure that each object in the sequence diagram has a corresponding class in the class description table above. If not, it will be REJECTED.**
* **Put actual function calls with proper parameters and return types corresponding to class diagrams.**

## V. User Interface Design

* **Use a prototyping tool like** [**https://app.moqups.com**](https://app.moqups.com) **or a GUI builder to build your interface.**
* **Develop a prototype for each screen / page that your application will have and relate them to each other showing which one leads to which one.**
* **For each screen specify the buttons, menus, etc. that will be on it and their functions.**
* **An example is shown below.**
* **Screen 1 – Login Screen (example)**
* **1)Web interface**
* **Sign in :**

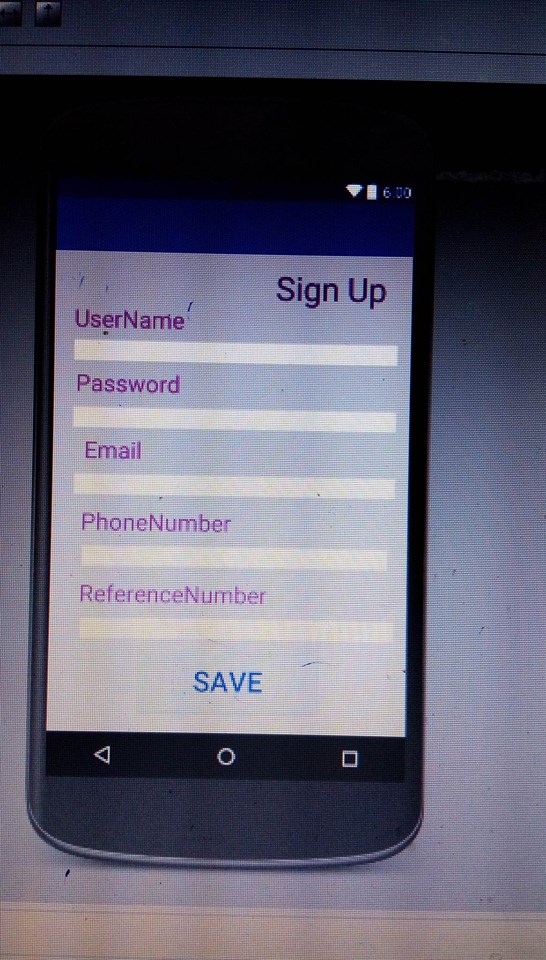


* **Profile account :**

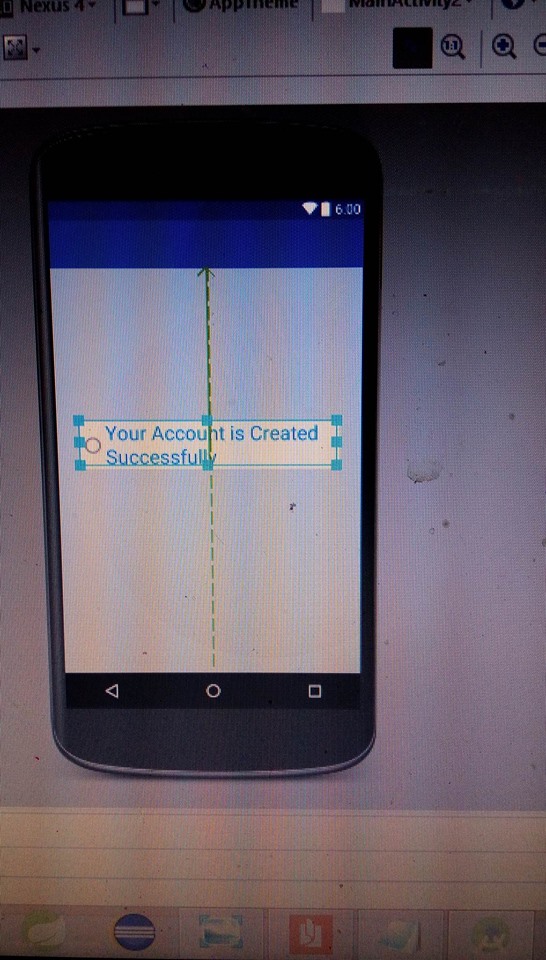


**2)Andorid Interface**

**.Sgin Up**

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