Electronic Health Record for Kids

Final Agile Project

CIS 454

Group 18

Jennifer Colletta, Ang Li, Sui Kwan Ho, Devlin Witbeck, Wentain Wong

**Overview**

This project aims to design an Electronic Health Record (EHR) system for school kids. The EHR system keeps all necessary records about school kids and make these records instantly and securely available for authorized users. Some of the expected functionality of the system include:

• Keeping record of a kid’s personal information such as full name, age, weight, height, etc.

• Provide a system for medical experts to update the medical rules

• Generate an alert message based on a kid’s health record

• Provide statistics summarizing each kid’s health record

Some of the general use cases in the EHR system includes:

• The Medical Expert

• The Record Manager

• The System

• The Parent/Guardian

**Requirements:**

• The Medical Expert will submit the medical rules to use at a particular time

• The Record Manager uploads personal information of a kid

• The Parent/guardian can request information about their kid

• The Medical Expert can modify the medical rules

• The Medical Expert can view some summary statistics of a certain kid

• The Record Manager can upload personal information of a kid

• System generates an alert for a particular kid to a Medical Expert when needed

• The Medical Expert can request for a particular kid

**CRC Cards**

|  |  |  |
| --- | --- | --- |
| **Class:** Medical Expert | |  |
| **Responsibility** | **Collaboration** |  |
| Modifies the medical rules    Submit the rules to use at a particular time    Requests for a particular kid    Views summary statistics of a particular kid | Record Manager  Parent/Guardian  System |  |
|  |

|  |  |  |
| --- | --- | --- |
| **Class:** Record Manager | |  |
| **Responsibility** | **Collaboration** |  |
| Uploads personal information of a kid | Medical Expert    Parent/Guardian |  |
|  |

|  |  |  |
| --- | --- | --- |
| **Class:** Parent/Guardian | |  |
| **Responsibility** | **Collaboration** |  |
| Request information about their kid | Medical Expert  Record Manager |  |
|  |

|  |  |  |
| --- | --- | --- |
| **Class:** System | |  |
| **Responsibility** | **Collaboration** |  |
| Generates an alert for a particular kid to an expert when needed | Medical Expert |  |
|  |

**Class Diagram**

