[OptuMonitor App]

For the Optum Challenge at HackRU Spring 2017

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Audience Analysis: Based on the provided claim data, the majority of the clients are over 60 years of age, some of which are prescribed multiple medications.

Goal: To assist consumers with managing dosage intake as well as offer quality of life suggestions based on interactivity and symptoms of medication. With our concept, we hope to make managing medications much simpler for each client.

Implementation Details:

* Create a dashboard that tracks each client’s history of visitations, prescriptions, diagnosis, and procedures.
* For Mobile Application

Functionality:

* Provide alerts and reminders based on the data analyzed (e.g., drug abuse detection and overdose prevention, intake schedule management, insuring complete consumption of prescription)
* Send out Quality of Life recommendations based on the client’s medical history (e.g., Avoiding strenuous activity after surgeries, )
* Streamline information on current and past medication, useful for doctor visit especially when asked about past medication and when the user was on or off it.

Future development:

* Compatibility with external devices (Fitbits/ fitness trackers) to monitor heart rate along with activity (e.g., If the user is driving a car post-consumption of drowsiness-inducing medication determined by decrease in heart rate).
* Doctors and medical professionals are able to access the app and update visitation logs which shows records of updated information.

Graphical Interface Examples:

  
