**SympMeds**

**Requirements Document**

**Ver. 1.0**

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1. Application Overview
   1. Objective
      1. This application aids individuals in finding the right non-prescription medication to treat a common symptom. This is needed so an individual will have an easier time finding the non-prescription drug they need.
   2. Business Process
   3. User Roles and Responsibilities
   4. Interaction with other systems
   5. Replacement of Legacy Systems
2. WebMD is an accredited health app which provides the following searches: symptom checker, conditions and drugs & treatments. Although this app shares the same basics as SympMeds, it differs from it since it does not suggest specific names of medications after searching by symptom.
   1. Terminology
3. Functional Requirements
   1. Statement of Functionality
      1. This application will allow a user search for information on non-prescription drugs searching for the name of a specific drug or by symptoms the drug treats.
      2. This application will consist of a search box in which you may either enter the symptom(s) or medication.
      3. If the symptom(s) is/are entered, then you will obtain the possible non-prescription medications that may be auto-prescribed (no doctor’s prescription necessary for purchase). The list will be display all the medications that will treat the searched symptom(s). The user will then be able to choose one medication at a time to review its information, that is: symptoms it treats, directions and warnings.
      4. If a medication is entered then you will only be able to view the medication’s information, that is: symptoms it treats, directions and warnings.
      5. It may be possible if time allows, to sort the results list based on most matching to the least matching medicine to the searched symptoms.
      6. Security
         1. Anyone is able to access the application. No log in needed.
      7. Auditing
         1. Users will not be allowed to make any modifications to the symptoms’ relationship with their matched medications. Users shall be allowed to make any suggestions to the authors via private messaging.
         2. Only authors will be allowed to make any modifications to the app.
   2. Scope
      1. Phase 1 – Create data base.
      2. Phase 2 – Build search bar based on medication name and be able to display medication data.
      3. Phase 3 – Continue working on search bar, search by symptoms.
      4. Phase 4 – (Optional) Sort results based on best match.
   3. Performance
   4. Usability
   5. Concurrency
4. Appendices
   1. Author(s) background and expertise
      1. Milena Fernandez
         1. B.S in Computer Engineering, University of Cincinnati, Class of 2015
         2. Skills- Microsoft Visual Studios (C++), Java programming
      2. Randall Rosing
         1. B.S. in Computer Science, University of Cincinnati, Class of 2016
         2. Skills – C++, Java
         3. Expertise – writing and debugging the code