

CS 320 Final Project Test Plan

- I. **Feature Requirements:** This test plan will document unit testing requirements for accepting the medical record system (MRS). The MRS will have the following features that must be tested to ensure the quality of the product:
 - **Doctor Information Feature Requirement:** The system **shall** allow the user to log in and add a doctor to the list of doctors. Doctors' names do not have to be unique, but doctors' IDs should be unique.
 - **Medical Records Feature Requirement:** The system **shall** allow the user to add a medical record to a patient.
 - i. Add a patient.
 - ii. Add a medical record with treatments, medications, and allergies.
 - When you create a medical record, it is necessary to create a patient history, which will contain 1 to many treatments, 1 to many medications, and 1 to many allergies. Medications cannot be assigned to a patient history unless there has been a treatment first.
 - **Allergy Find Feature Requirement:** The system **shall** allow the user to search for allergies and print all patients with allergies.
- II. **Roles:** The software developer will perform unit tests.
- III. **Testing levels**
 - i. Unit testing
- IV. **Testing artifacts:** The deliverable for this project will be a zip file containing all the JUnit tests.