COLLEGE of CHARLESTON 1770

OpenMRS MEDICAL RECORD SYSTEM

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Introduction: OpenMRS is a patient based medical record system focusing on giving providers a free customizable electronic medical record system.
The mission of OpenMRS is to improve health care delivery in resource-constrained environments by coordinating a global community that creates a robust, scalable, user-driven, open source medical record system platform.

Chapter 1:
We started off with the project Martus which proved to give our team many problems. From Martus we found the readme file with the code needed to be well documented in order to succeed. We then made the decision to switch to OpenMRS.

Chapter 2:
We created five test cases that run successfully in InteliJ. They did not run in the command line just yet.

Chapter 3:
We designed and built an automated testing framework that would work with our five original test cases. We were still having issues at this point getting the code to run through the command line instead of InteliJ.

Chapter 4:
We were able to get past the error from the previous chapter. We also reworked the first 5 test cases and created 20 more. Ran the code through the script.

Script:
- Completely relative
- Runs all files in the testCases directory
- Gets the necessary driver and inputs needed from each test case
- Compare expected and actual results for a pass/fail
- Prints results in an html file and automatically opens in your preferred browser

Test Cases:
Each test case is seven lines:
1. Test ID
2. Requirements
3. Component being tested
4. Driver being used
5. Method being tested
6. Test inputs
7. Expected output

How to get the Framework Running:
1. Clone the Repository
2. Navigate to the driver directory
3. Copy this into the same directory as OpenMRS
4. Compile the project through maven
5. Run the script

Fault Injections:
We were able to inject small changes into the code that would cause our test cases to fail. Example: Changing an == to a != in OpenMRS' code.