OPEN CLINIC Software Testing

PROJECT PLAN

EEC 623-SOFTWARE QUALITY ASSURANCE

TEAM MEMBERS

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1. INTRODUCTION

The OPEN CLINIC is an open-source software solution designed to help manage clinical information and streamline workflows in medical clinics. It has the ability to generate and manage patient records, including personal information, medical history, and treatment plans. It also includes tools for managing appointments, scheduling follow-up visits, and tracing medication usage. It is designed to be customizable, and scalable, making it suitable for clinics of all sizes. It has the ability to generate reports, and analyze clinical data, as well as support multiple users and roles. Overall, it is a comprehensive and user-friendly solution for the management of clinical information and workflows. It can help clinics to improve patient care and streamline their operations.

https://raw.githubusercontent.com/jact/openclinic/master/admin/dump_optimize_db.php

1.1 SOFTWARE TO BE TESTED

It is open-source software that is designed to manage clinical operations such as patient registration, appointment scheduling, billing, and reporting. It is a platform for healthcare providers to help in the management of clinical operations and to improve patient care efficiently. The version of the software is 0.8.0 and is built on the JAVA platform and it can be run on any system that supports JAVA. This includes windows, mac, and Linux Operating systems. It is primarily developed using the java programming language.

Major Inputs of the software include patient registration data, appointment scheduling data, billing data, and clinical data such as diagnosis, treatment plans, and medication orders.

It provides a variety of processing functionality that includes patient registration, appointment scheduling, and billing and reporting, and also manages clinical data such as patient charts, diagnoses, treatment plans, and medication orders.

The outputs of the software report on patient demographics, appointment schedules, billing data, and clinical data. It also gives reports on practice performance that can be helpful for healthcare providers to identify the area for improvement and optimization of the operation and also generates prescription orders, medication labels, and other documents required for patient care.

1.2. MAJOR FUNCTIONS OF THE SOFTWARE

The major functions of an Open Clinic are as follows:

- Patient Registration: This function allows healthcare providers to register new patients and store their personal and medical information for a long period.

- Medical Record Management: This function allows healthcare providers to manage patients' medical records, including diagnosis, medications, and lab results, and analyse for treatment plans.

- Appointment Scheduling: This function allows healthcare providers to schedule appointments for patients, track appointment status, and send reminders to patients.

- Billing: This function allows healthcare providers to manage patients' billing information and generate invoices for services offered.

2. TASKS

Our project tasks are as follows:

- Task 1: Installation of Open Clinic software and setup of the testing environment

- Task 2: Write test driver for major functionalities

- Task 3: Design test cases based on the functional decomposition of the software

- Task 4: Perform system testing using various testing techniques and approaches

- Task 5: Record test results and report our findings

3. SCHEDULE:

Our project schedule is as follows:

- Task 1: Installation of Open Clinic software and setup of the testing environment

    March 21, 2023-march 26, 2023

- Task 2: Write test driver for major functionalities

    March 27, 2023-April 9, 2023

- Task 3: Design test cases based on the functional decomposition of the software

    April 10, 2023-April 17 2023

- Task 4: Perform system testing using various testing techniques and approaches

    April 18, 2023-May 24, 2023

- Task 5: Record test results and report our findings

    April 25, 2023-April 30, 2023