

**EEC 623 SOFTWARE QUALITY ASSURANCE**

**Test Case Specification for Open Clinic Software Project**

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This document will list all test cases. Each test case will in its table as shown below:

**Test Case 001: Patient Registration**

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| --- | --- |
| **Test Case Identifier** | **TC 001** |
| Test Items/feature | Patient Registration |
| Preconditions | None |
| Test Steps | 1. Click on "Register Patient" button.  2. Enter patient demographic data (Name, Date of Birth, Gender, Contact Information).  3. Enter medical history data (Allergies, Previous conditions, Family history).  4. Enter insurance information (Insurance Provider, Policy Number, Group Number). 5. Click on **"Submit"** button. |
| Output Specifications | The patient information should be successfully captured and stored in the system. A confirmation message should be displayed to the user. |
| Inter-case Dependencies | None |
| Test Result | Pass |

**Test Case 002: Medical Record Management**

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| **Test Case Identifier** | **TC 002** |
| Test Items/Feature | Medical Record Management |
| Preconditions | Patient information has been entered and stored in the system |
| Test Steps | 1. Select “Manage Medical Records” on the main screen.  2. Enter patient ID  3. Update patient diagnosis, prescriptions, lab findings, and imaging investigations  4. Click “Save” |
| Output Specifications | Medical records are being recorded and stored properly |
| Inter-case Dependencies | Patient Registration (TC 001) |
| Test Result | Pass |

**Test Case 003: Appointment Scheduling**

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| **Test Case Identifier** | **TC 003** |
| Test Items/Feature | Appointment Scheduling |
| Preconditions | Patient information has been entered and stored in the system |
| Test Steps | 1. Select “Schedule Appointment” on the main screen.  2. Enter patient ID and appointment details.  3. Monitor appointment progress.  4. Send reminders to patient.  5. Click “Save” |
| Output Specifications | Appointment scheduling functions as intended |
| Inter-case Dependencies | Patient Registration (TC 001) |
| Test Result | Pass |

**Test Case 004: Billing**

|  |  |
| --- | --- |
| **Test Case Identifier** | **TC 004** |
| Test Items/Feature | Billing |
| Preconditions | Patient information has been entered and stored in the system |
| Test Steps | 1. Select “Create Invoice” on the main screen.  2. Input patient ID and billing data.  3. Produce invoice.  4. Manage patient billing data.  5. Click “Save” |
| Output Specifications | Billing process can manage high volumes of data and transactions |
| Inter-case Dependencies | Patient Registration (TC 001) |
| Test Result | Pass |