**Test Plan: Quick Fix Dental Practice Test Plan**

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**1.0 INTRODUCTION**

Dental Practice desktop application for managing the NHS services offered to the patients registered with the dental practice. The core functionalities include the staff registration to the system, Patient registration to the system, Login authentication for both staffs and patients, Maintenance of the medical history and treatment plan for the patients, booking and changing of appointments.

**2.0 OBJECTIVES AND TASKS**

# 2.1 Objectives

Test cases will be identified and documented. Functional testing and unit testing will be carried out based on the test cases. Failed cases will be regression tested once fixed.

**2.2 Tasks**

Tasks identified are writing the test cases for business logic, test cases for unit testing and integration testing. Failed and Passed cases to be documented. Retest to be carried out after fixing the first round of failed cases. This process will be repeated until all the cases passed.

**3.0 SCOPE**

The testing scope for this product is the sub system and not the whole system. The sub system identified for this product to be implemented is Patient Registration, Viewing the registered patients, adding Medical History to the patients.

# 4.0 TESTING STRATEGY

Describe the overall approach to testing. For each major group of features or feature combinations, specify the approach which will ensure that these feature groups are adequately tested. Specify the major activities, techniques, and tools which are used to test the designated groups of features.

The approach should be described in sufficient detail to permit identification of the major testing tasks and estimation of the time required to do each one.

# 4.1 Unit Testing

**Definition:**

Specify the minimum degree of comprehensiveness desired. Identify the techniques which will be used to judge the comprehensiveness of the testing effort (for example, determining which statements have been executed at least once). Specify any additional completion criteria (for example, error frequency). The techniques to be used to trace requirements should be specified.

**Participants:**

List the names of individuals/departments who would be responsible for Unit Testing.

**Methodology:**

Describe how unit testing will be conducted. Who will write the test scripts for the unit testing, what would be the sequence of events of Unit Testing and how will the testing activity take place?

# 4.2 System and Integration Testing

**Definition:**

List what is your understanding of System and Integration Testing for your project.

**Participants:**

Who will be conducting System and Integration Testing on your project? List the individuals that will be responsible for this activity.

**Methodology:**

Describe how System & Integration testing will be conducted. Who will write the test scripts for the unit testing, what would be sequence of events of System & Integration Testing, and how will the testing activity take place?

# 4.4 User Acceptance Testing

**Definition:**

The purpose of acceptance test is to confirm that the system is ready for operational use. During acceptance test, end-users (customers) of the system compare the system to its initial requirements.

**Participants:**

Who will be responsible for User Acceptance Testing? List the individuals' names and responsibility.

**Methodology:**

Describe how the User Acceptance testing will be conducted. Who will write the test scripts for the testing, what would be sequence of events of User Acceptance Testing, and how will the testing activity take place?

# 4.6 Automated Regression Testing

**Definition:**

Regression testing is the selective retesting of a system or component to verify that modifications have not caused unintended effects and that the system or component still works as specified in the requirements.

**Participants:**

**Methodology:**

Test Cases:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Purpose | Precondition | Data | Expected Result | Pass/Fail |
| 1 |  |  |  |  |  |
|  |  |  |  |  |  |