RevExpress Healthcare payment portal

Version 1.0

**EICPL\_RevExp\_001**

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# INTRODUCTION

## Purpose

The objective of this test plan is to guide the test team in testing for the RevExpress application.

The objectives are as follows:

* Provides a framework as to which testing activity will be conducted.
* Build conscious on test needs and focus test plan effort on most important items
* Identify the risks and gives what are steps are being used to mitigate those problems.

## Scope

The Scope of the STP is to define the testing approach, Types of testing to be conducted, schedule for the testing phases and assist in testing all business requirements.

## Definitions, Acronyms, and Abbreviations

| **Term / Abbreviation** | **Description** |
| --- | --- |
| SRS | Software Requirement Specification |
| STP | Software Test Plan |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Target Audience

1) Project Manager

2) Test Engineers

3) Clients

## References

Software Requirements Specification **RevExpress Healthcare Payment Portal Ver**

# Test Description

## Overall Approach

Feature to be tested

1) RevExpress Admin portal

* View all client campaigns
* View and Modify Individual campaign
* Create new client and facilities management
* Set up Credit card payment details
* Generate Invoices
* View Modify Invoice
* Client Configuration
* RevExpress User Management

2) Client Admin Portal

* login, manage profile
* PURL/GURL Management
* Manage Campaigns
* Upload Clients data
* Populate database
* Send Notification and report
* Negotiate Amount
* Configure Campaign
* Client User Management

3) Customer Portal

* Login and Home page
* View Accounts
* Payment Engine
* Configuration Management
* Set up credit card
* Schedule/Recurring Payment
* Negotiate Amount
* Make Payment

4) Chat Feature

* Customer account Management
* PCI Compliance
* HIPAA Compliance

## Test Environment

Latest versions of Browsers (IE, Mozilla, Chrome, Opera, apple)

## Test Stop / Suspension/Resumption Criteria

### Suspension

The following are circumstances under which, Excelencia will suspend the testing

* Encountering the showstopper at the application level (or) showstopper at the module level which is critical for the functioning of the application
* On Transfer of the Wrong Soft base
* On Failure of Test Environment
* Any other circumstances (or) situations when the test team is conceived that the testing can’t be continued.

### Resumption

* Excelencia Project Manager will resume the suspended testing on resolving the situation, which resulted in the suspension (or) on the specific request from client

### Exit Criteria

* All the Planned Test scripts should be executed and if there is any pending, necessary reason should be provided.
* On Preparation of final analysis report.

## Test strategies for Unit, Module, Integration and System Testing

### Unit Testing

Unit testing is the testing of individual software components. Usually it is a small unit along the lines of a small collection of code that can be tested. Typically this would be a source file, a package or a non-trivial object class. It provides a much greater reliability improvement for resources expended than system level testing. In particular, it tends to reveal critical bugs like strange system crashes that occur in the field when something unusual happens. Unit testing is generally seen as a “white box” test.

### Module Testing

Module testing is concerned with the testing of the smallest piece of software for which a separate specification exists. Projects can choose any coverage measurements to measure the adequacy of test.

### Integration Testing

Testing performed to expose faults in the interfaces and in the interaction between integrated components. The faults can be incompatibilities between parameter ranges, parameter ordering, data dependencies on shared data, and allocation of responsibilities between modules, re-entrance, race conditions, critical sections and deadlock situations. Projects can choose any coverage measurements to measure the adequacy of the test.

### System Testing

It is the process of testing an integrated system to verify that it meets specified requirements. Focus is to verify that the customer requirements or commercial requirement based on the specifications.

## Coverage Criteria

Where test scripts relate to requirements and developments for a release they are reviewed against the functional design and technical design to ensure that all of the requirements / enhancements are available in the test scripts with the correct level of coverage.

Test script review points will be captured in the review report and sent to the appropriate Manager/ Lead / tester to close the review points.

For each iteration of test scripts review, version history and the status of the test scripts will be maintained

Once all the review points raised by the reviewer have been closed by the author. the test scripts will be authorised by the Project Manager and passed on for full approval.

## Defect Tracking and Reporting

The failure cases will be logged in the Issue Tracker (Mantis). The Development Team Lead will take the defects from the Issue Tracker (Mantis) and he will assign them to the respective developers. The testing team uses the Issue Tracker (Mantis) to track the defects status. The defects will be categorized into six levels, based on the priority. The response to the defects has to be as per the service level agreement.

## Risks and Contingencies

* Out of date/inaccurate requirements definition/functional specification(s).
* Lack of unit testing.
* Testing resources
* Lack of time
* Performance testing will not be conducted since there is no such tool provided to verify the performance related issues and hence these screen (new requirements) will not be verified

## Schedule and Resources

## 2.8.1 Schedules of testing activity

|  |  |  |  |
| --- | --- | --- | --- |
| Phase. | Days | Start Date | End Date |
| Test case Preparation | 3 |  |  |
| Test Execution | 7 |  |  |
| Alpha Testing | 19 |  |  |
| Alpha to Beta Hand over | 3 |  |  |

## 2.8.2 Product deliverables

|  |  |  |
| --- | --- | --- |
| Deliverables | Description | Tools |
| Test Cases | Test cases will cover the architecture and application design efficiency, Application functionality, data transaction, data integrity, system performance and Business process flow. | MS Excel |
| Test Plan Document | It gives detailed plan for testing coverage, scope of the testing, methodologies to be used, tasks to be performed, schedules, Risks and Dependences. | MS Word |
| Review Report | It consists the Release Documentation issues, Hand over documents issues and rolled forward issues that are raised during each phase (Alpha, Beta I and Beta II) | MS Word |
| Release Documents | It consists of all documents from Manufacturing Handover to Alpha Handover, Alpha to Beta Handover. | MS Word |

## Test team and responsibilities

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Item** | **Test Plan Preparation Responsibility** | **Planned Date for Plan** | **Test Development Responsibility** | **Planned Date for Development** | **Test Execution Responsibility** | **Planned Date for Execution** |
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# Test Deliverables

Software Test Plan

Test Cases

Software Requirement Traceability matrix

Defect Reports.

Test Summary Report