Market

Test Plan

# Introduction

Brief introduction of the test strategies, process, workflow and methodologies used for the project

## Scope

### In Scope

Scope defines the features, functional or non-functional requirements of the software that **will be** tested

### Out of Scope

Out Of Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested

## Quality Objective

Here make a mention of the overall objevtie that you plan to achive withou your testing

Some objectives of your testing project could be

* Ensure the Application Under Test conforms to functional and non-functional requirements
* Ensure the AUT meets the quality specifications defined by the client
* Bugs/issues are identified and fixed before go live

## Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members like

* QA Analyst
* Test Manager
* Configuration Manager
* Developers
* Installation Team

Amongst others

# Test Methodology

## Overview

Mention the reason of adopting a particular test methodology for the project. The test methodology selected for the project could be

* WaterFall
* Iterative
* Agile
* Extreme Programming

The methodology selected depends on multiple factors. You can read about Test Methodology [here](http://www.guru99.com/testing-methodology.html)

## Test Levels

**Test Levels define the Types of Testing to be executed on the Application Under Test (AUT**). The Testing Levels primarily depends on the scope of the project, time and budget constraints.

## Bug Triage

The goal of the triage is to

* To define the type of resolution for each bug
* To prioritize bugs and determine a schedule for all “To Be Fixed Bugs’.

## Suspension Criteria and Resumption Requirements

Suspension criteria define the criteria to be used to suspend all or part of the testing procedure while Resumption criteria determine when testing can resume after it has been suspended

## Test Completeness

Here you define the criterias that will deem your testing complete.

For instance, a few criteria to check Test Completeness would be

* 100% test coverage
* All Manual & Automated Test cases executed
* All open bugs are fixed or will be fixed in next release

# Test Deliverables

Here mention all the Test Artifacts that will be delivered during different phases of the testing lifecycle.

Here are the sample deliverables

|  |
| --- |
| * Test Plan * Test Cases * Requirement Traceability Matrix * Bug Reports * Test Strategy * Test Metrics * Customer Sign Off |

# Resource & Environment Needs

## Testing Tools

Make a list of Tools like

* Requirements Tracking Tool
* Bug Tracking Tool
* Automation Tools

Required to test the project

## Test Environment

It mentions the minimum **hardware** requirements that will be used to test the Application.

Following **software’s** are required in addition to client-specific software.

1. Windows 8 and above
2. Office 2013 and above
3. MS Exchange, etc.

# Terms/Acronyms

Make a mention of any terms or acronyms used in the project

| TERM/ACRONYM | DEFINITION |
| --- | --- |
| API | Application Program Interface |
| AUT | Application Under Test |

# Revisions History

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision No.** | **Date of Issue** | **Author** | **Description** |
| 1 | 02.06.2014 | <Tester name> | Functional testing |
| 2 | 03.06.2014 | <Tester name> | Usability testing |
| 3 | 05.06.2014 | <Tester name> | Negative test cases |

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# Functional test cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Steps** | **Expected results** | **Test results** | **Comments** |
|  | **Open component** |  |  |  |
|  | Pre-steps:   1. Open Main |  |  |  |
|  | Steps:   1. Click Market Tab on Components Panel; 2. Click on Market . | Market component was opened on workspace | Pass |  |
|  | Steps:   1. Click Detach Component button on Market in Side Bar. | Market component was opened on workspace with data | Pass |  |
|  | Steps:   1. Click Main Menu; 2. Select Components submenu; 3. Select Market . | Market component was opened on workspace | Pass |  |
|  | Steps:   1. Click Main Menu; 2. Select Settings submenu; 3. Click Panels; 4. Check Market in Side Bar panel; 5. Click on Apply. | Market component was opened on workspace | Pass |  |
|  | **Close component** |  |  |  |
|  | Steps:   1. Click “X”. | Market component was closed | Pass |  |
|  | **Displaying selected exchange** |  |  |  |
|  | Pre-steps:   1. Open Market |  |  |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM . | Table of Market displays information about selected exchange | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select SAU | Table of Market displays information about selected exchange | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select AMM | Table of Market displays information about selected exchange | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select KUW | Table of Market displays information about selected exchange | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select ADX | Table of Market displays information about selected exchange | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DSM | Table of Market displays information about selected exchange | Pass |  |
|  | **Table** |  |  |  |
|  | **Displaying columns**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Check columns | Table consists of Index column, Description, Value, Open, High, Low, Close, Change, % Change, Volume, Turnover | Pass |  |
|  | **Show all columns**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Right-click column header; 4. Select Show all columns. | Table consists of Index column, Description, Value, Open, High, Low, Close, Prev. Close, Change, % Change, Volume, Turnover | Pass |  |
|  | **Hide column**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Right-click column header; 4. Select Hide column. | Selected column was hidden | Pass |  |
|  | **Open Column chooser**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Right-click column header; 4. Select Choose column. | Column chooser was opened | Pass |  |
|  | **Open Chart**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Right-click selected row; | Open Chart button appears | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Right-click selected row; 4. Click Open Chart button. | Chart with selected symbol was opened | Pass |  |
|  | **Sorting by Index**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Index header | Arrow up – Index’s names are sorting by alphabet from a to z | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Index header | Arrow down – Index’s names are sorted by alphabet from z to a | Pass |  |
|  | **Sorting by Description**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Description header | Arrow up – index’s descriptions are sorting by alphabet from a to z | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Description header | Arrow down - index’s descriptions are sorted by alphabet from z to a | Pass |  |
|  | **Sorting by Value**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Value header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Value header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Open**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Open header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Open header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by High**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click High header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click High header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Low**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Low header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Low header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Close**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Close header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Close header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Prev. Close**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Prev. Close header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Prev. Close header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Change**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Change header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Change header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by %Change**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click %Change header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click %Change header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Volume**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Volume header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Volume header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Sorting by Turnover**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Turnover header | Arrow up – index’s values are sorting from lowest to highest value | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click Turnover header | Arrow down - index’s values are sorting from highest to lowest value | Pass |  |
|  | **Negative Tests** |  |  |  |
|  | Pre-steps:   1. Open Market |  |  |  |
|  | **No Internet connection**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Check result | Message with text “DFN is disconnected. Connect it?” with buttons “yes” and “no” appears | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click “yes” in appeared message 4. Check result | Table of Market is empty | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Click “no” in appeared message 4. Check result | Table of Market is empty | Pass |  |
|  | Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Close appeared message 4. Check result | Table of Market is empty | Pass |  |
|  | **Provider is disconnected**  Steps:   1. Disconnect Provider; 2. Click Exchange panel; 3. Select DFM ; 4. Check result | Message with text “DFN is disconnected. Connect it?” with buttons “yes” and “no” appears | Pass |  |
|  | Steps:   1. Disconnect Provider; 2. Click Exchange panel; 3. Select DFM ; 4. Click “yes” in appeared message 5. Check result | Table of Market is empty | Pass |  |
|  | Steps:   1. Disconnect Provider; 2. Click Exchange panel; 3. Select DFM ; 4. Click “no” in appeared message 5. Check result | Table of Market is empty | Pass |  |
|  | Steps:   1. Disconnect Provider; 2. Click Exchange panel; 3. Select DFM ; 4. Close appeared message 5. Check result | Table of Market is empty | Pass |  |
|  | **Selected exchange doesn’t work**  Steps:   1. Click Exchange panel; 2. Select DFM ; 3. Check result | Table of Market displays last values | Pass |  |

# User Interface test cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Steps** | **Expected results** | **Test results** | **Comments** |
|  | **Icon of component** |  |  |  |
|  | Pre-steps:   1. Open Main |  |  |  |
|  | Steps:   1. Click Market Tab on Components Panel; | Market component has icon COMPONENT_MARKET_INDICES (16 x 16 pixels PNG file). | Pass |  |
|  | Steps:   1. Click Main Menu; 2. Select Components submenu; | Market component has icon COMPONENT_MARKET_INDICES (16 x 16 pixels PNG file). | Pass |  |
|  | **Size of component** |  |  |  |
|  | Pre-steps:   1. Open Main 2. Open Market |  |  |  |
|  | Steps:   1. Check default size. | Default size: 900 x 400 pixels | Pass |  |
|  | Steps:   1. Minimize component 2. Check minimum size | Minimum size: 300 x 180 pixels | Failed | [Main-1727](http://185.2.100.192:81/issue/Strader-1727) |
|  | Steps:   1. Maximize component 2. Check maximum size | Maximum size is equal to the size of screen | Pass |  |
|  | **Style overview** |  |  |  |
|  | **Gray Features** |  |  |  |
| 3.1.1 | Steps:   1. Check Header panel; | Header panel is black with blue text and button “X” | Pass |  |
| 3.1.2 | Steps:   1. Check Headers of column; | Headers of column are gray with white text | Pass |  |
| 3.1.3 | Steps:   1. Check Table; | Table is black with white text | Pass |  |
| 3.1.4 | Steps:   1. Check Columns Change and %Change; | Columns Change and %Change have data with such colors: value>0 – green, value<0 – red, value=0 - blue | Pass |  |
| 3.1.5 | Steps:   1. Check Selected item; | Selected item highlighted by blue color | Pass |  |
|  | **Blue Features** |  |  |  |
| 3.2.1 | Steps:   1. Check Header panel; | Header panel is blue with black text and button “X”; | Pass |  |
| 3.2.2 | Steps:   1. Check Headers of column; | Headers of column are blue with dark blue text | Pass |  |
| 3.2.3 | Steps:   1. Check Table; | Table is white with black text | Pass |  |
| 3.2.4 | Steps:   1. Check Columns Change and %Change; | Columns Change and %Change have data with such colors: value>0 – green, value<0 – red, value=0 – blue | Pass |  |
| 3.2.5 | Steps:   1. Check Selected item; | Selected item highlighted by yellow color | Pass |  |
|  | **Localization overview** |  |  |  |
|  | **English Localization Features** |  |  |  |
| 4.1.1 | Steps:   1. Check Header panel; | Text in Header panel is on the left side (<component name>: Selected Exchange name) | Pass |  |
| 4.1.2 | Steps:   1. Check Close button; | Button “X” is on the right side | Pass |  |
| 4.1.3 | Steps:   1. Check Select Exchange panel localization; | Select Exchange panel is on the left side | Pass |  |
| 4.1.4 | Steps:   1. Check Headers of columns; | Name of columns are on English and are aligned on the left side | Pass |  |
| 4.1.5 | Steps:   1. Check text in columns Index and Descriptions; | Exchange names and descriptions are aligned on the left side | Pass |  |
| 4.1.6 | Steps:   1. Check text in other columns; | Text in other columns is aligned on the right side | Pass |  |
|  | **Arabic Localization Features** |  |  |  |
| 4.2.1 | Steps:   1. Check Header panel; | Text in Header panel is on the right side (Selected Exchange name :<component name>) | Failed | [Main-1728](http://185.2.100.192:81/issue/Strader-1728) |
| 4.2.2 | Steps:   1. Check Close button; | Button “X” is on the left side | Pass |  |
| 4.2.3 | Steps:   1. Check Select Exchange panel localization; | Select Exchange panel is on the right side | Pass |  |
| 4.2.4 | Steps:   1. Check Headers of columns; | Name of columns are on Arabic and are aligned on the right side | Failed | [Main-1728](http://185.2.100.192:81/issue/Strader-1728) |
| 4.2.5 | Steps:   1. Check text in columns Index and Descriptions; | Exchange names and descriptions are aligned on the left side | Pass |  |
| 4.2.6 | Steps:   1. Check text in other columns; | Text in other columns is aligned on the right side | Pass |  |

# Usability test cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Steps** | **Expected results** | **Test results** | **Comments** |
|  | **Tool tips** |  |  |  |
|  | Pre-steps:   1. Open Main |  |  |  |
|  | Steps:   1. Click Market Tab on Components Panel; 2. Move mouse on Market button. | Tool tip with text “Market ” appears. | Pass |  |
|  | Steps:   1. Click Main Menu; 2. Select Components submenu; 3. Move mouse on Market button. | Tool tip with text “Market ” appears. | Pass |  |
|  | **Work with keyboard** |  |  |  |
|  | Pre-steps:   1. Open Main 2. Open Market |  |  |  |
|  | Steps:   1. Select Exchange; 2. Click any symbol; 3. Press Tab. | Next (Bottom) row is highlighted. | Failed | [Main-1729](http://185.2.100.192:81/issue/Strader-1729) |
|  | Steps:   1. Click Exchange Panel; 2. Move mouse on any exchange; 3. Press Enter. | Table displays all symbols of selected exchange. | Pass |  |
|  | Steps:   1. Select Exchange; 2. Right-click any column header; 3. Move mouse on Hide column; 4. Press Enter. | Selected column is hidden. | Pass |  |
|  | Steps:   1. Select Exchange; 2. Right-click any column header; 3. Move mouse on Show all columns; 4. Press Enter. | All columns are present. | Pass |  |
|  | Steps:   1. Select Exchange; 2. Right-click any column header; 3. Move mouse on Choose column; 4. Press Enter. | Column chooser was opened. | Pass |  |