

**PYRAMID SOLUTIONS**

***QA Team***

**Pyramid Recruitment Dashboard– *Test Plan***

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Prepared and maintained by QA Team

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# Document Sign Off

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| --- | --- | --- |
| ***Position*** | ***Name*** | ***Date*** |
| ***QA*** | Name 1 |  |
| ***Test Manager*** | Name 2 |  |
| ***Development Manager*** | Name 3 |  |
| ***Project Manager*** | Name 4 |  |
| ***Business Analyst*** | Name 5 |  |

# Project Summary

Pyramid Solutions currently, all recruitment team prepares the requirement report manually and consolidate all reports in excel spreadsheet and share with pyramid management. This view doesn’t give real time updates to management on the job description and candidates requirement feedback and require a wait of week time to get latest updates on all job profiles.

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The purpose of the Pyramid Solutions Pyramid Recruitment Dashboard project is to provide stakeholders a quick view of view, edit Job Description with Technical and Soft skills, Scan job description(JD) and generate reports as per matching of Job Profile and Candidates in the form of percentage format, capture the interviews feedback against the job and generate various reports to get the insight of all happening in various job profile.

Following are the highlights of the Pyramid Solutions Pyramid Recruitment Dashboard project:

* Create an application that scans Job Description and Resumes in Word format, creates Job profiles and Candidate profiles and matches them to find the right fit.
* Scan the JD in Word format and create a set of keywords and build Job Profile with must have and good to have
* Allow the recruiter to edit the Job Profile. This is required if the parameters generated by the system are not accurate.
* Should include Technical and Soft skill parameters.
* Scan the resumes of candidates in Word format and generate a Candidate Profile.
* Match the Job Profile with Candidate Profile and generate the results in a tabular and overall percentage format.
* Capture feedback for TP1 and TP2 interviews against the Job Profile

Pyramid Solutions Pyramid Recruitment Dashboard BRD can be accessible at:



# Testing Summary

The Test Plan aims to outline that ‘What’, ‘How’ and ‘When’ to test the development functionality of Pyramid Solutions Pyramid Recruitment Dashboard application. It highlights scope of capabilities to be tested, describes the type of testing we are going to perform, and provides the timeline for test activities.

This Test Plan defines the details related to functional testing to deliver a quality product. Pyramid Tech Riders team will perform functional testing on deployed components. QA Team will validate all developed and deployed components against requirement document. This document covers the scope of capabilities to be tested for Pyramid Solutions Pyramid Recruitment Dashboard project, level of testing, milestone and test schedule.

The document defines the detailed level approach for how testing will be prepared and managed which includes emphasis on all testing activities that are planned from Test Planning, Test Preparation, Test Execution, Test Reporting, and Test Summary Report for the project. The primary test types supported will include:

* Functional Testing
* User Interface Testing
* Browser Compatibility Testing (Supported Browser & Version)

Pyramid Tech Riders QA team will perform Functional and User Interface Testing and different browsers compatibility testing on IE and Chrome browser.

**Level of Testing**:

|  |  |
| --- | --- |
| **Level of Testing** | **Descriptions/Responsibility** |
| **Functional Testing** | Pyramid Tech Riders Team will determine the system satisfies its acceptance criteria based on the [project’s requirements](#BRD) |
| **User Acceptance Testing** | User Acceptance testing will be performed by business users in UAT environment to ensure application covers all business scenarios |

Detailed test cases will be created for Pyramid Solutions Pyramid Recruitment Dashboard application and will be signed off by Business Analysts. High level description of application is defined in section 4 of Test Plan.

GitHub tool will be utilized to track all the testing activities including Requirement, Test Case, Test Execution, Defect Tracking and Reporting.

# Functional Testing

All the functionalities listed under [BRD](#BRD) will be covered in Pyramid Solutions Pyramid Recruitment Dashboard project. Following are the major highlights of the functionalities:

**Configuration Screens**

* Adding Users
* Assigning Privileges

**Data Capturing Screens**

* Configuration and Edit Job Profile Description(JD)
* Configure Candidate Profile
* Feedback Entry
* Overall Job Profile Status

**Reports**

* Generate Matched Candidates Reports
* Overall Job Profile Status over a time period
* Candidate counts as per status over a time period

# Regression Testing

Regression testing will be performed after all iteration are deployed in QA environment and QA Team will make sure that all functionalities are working as expected.

# Browsers & Operating Systems

Pyramid Tech Riders team will perform different browsers specific compatibility testing on latest version of IE and Chrome browser.

Application will be tested on the following browsers:

* Internet Explorer
* Google Chrome

# User Acceptance Testing

Designated Reviewers will execute test cases to determine if the system is ready to go live. Approvers will be expected to obtain results from the reviewers to provide signoff prior to go live. This testing may be a subset of the QA test cases, reviews of QA test results and/or have additional tests defined by the reviewers as required to improve data coverage, usability and systems testing.

UA Testing management will be assisted by QA Team by tracking UAT test cases in test management tool, execute test cases and track the test results. Execution progress will be included in the weekly status report. UAT team requires assistance in test data which the QA team will be providing to them.

|  |  |  |
| --- | --- | --- |
| **Area** | **Reviewer** | **Approver** |
| IT | Name 1 | Name 2 |
| Consulting | Name 3 | Name 4 |
| Operations | Name 5 | Name 6 |

# Volume Testing

Not required for this project.

# Load, Performance, and Stress Testing

Not required for this project.

# Security Testing

The security testing will be conducted against user authentication to make sure only authentic users are able to access the application.

# Automated Testing

Automation will commence once an application will be stable and all the functionalities deployed in test environment and delivered. QA team will be assessing opportunities to utilize automated testing and will be performed automation testing through Selenium tool. Extent report will be used for reporting purpose. Standard coding practices will be followed by using naming convention, page object model (POM), object repository, resources and reusable functions.

# Acceptance Criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Entry Criteria** | **Exit Criteria** | **Approver** |
| **QA Execution** | Delivery of fully functional code in the test environment(s), at a module level, with corresponding data that will allow the QA Team to execute their planned test cases.  Any open defects found in development have been communicated to QA team and approved to move to next testing phase.  QA Test Case walkthrough done with project team and QA Team received approval of their test cases. | All planned QA test cases have been executed with the exception of test cases that have been documented as N/A.  All QA reported defects have been closed. | QA Lead  Test Manager (Exit) |
| **UAT**  **Execution** | All Emergency and Critical defects have been fixed and closed.  Open High, Medium and Low defects have been communicated to the UAT Reviewers and have been approved to move forward  A minimum of **85%** of all QA **functional** test cases have been executed with the exception of test cases that have been documented as N/A | All UAT reported defects have been closed.  All planned UAT cases have been executed with the exception of test cases that have been documented as N/A.  Approval received from all required Approvers that testing is successfully complete. | UAT Reviewers (Entry)  UAT Approvers (Exit) |

# Defect Management

We will follow the standard defect management process and all defects will be logged in defect tracking tool.

# Test Case and Requirements Management

We will follow the standard test case management process and all functional test cases will be stored in GitHub.

# Testing Gates

|  |  |  |
| --- | --- | --- |
| **Code Deployed** | **Gate Requirement** | **Gate Approver** |
| Development | Requirements & Specifications are complete and signed off | Development Manager |
| QA | Unit Testing is complete and functional testing is performed | QA Manager |
| UAT | > All functional tests are executed for the modules  >There are no open emergency or critical defects for the module  >95% of the test cases have passed for the module | QA Manager  Development Manager  Project Manager  Business User |
| Production | No open defects assigned to the release  All required signoffs have been obtained | QA Manager  Development Manager  Project Manager  Business User |

# Test Systems

|  |  |
| --- | --- |
| **Testing Platform** | **System** |
| Development | Development Environment |
| QA | QA Environment |
| UAT | UAT Environment |
| Prod | PROD Environment |

|  |  |
| --- | --- |
| **Testing Type** | **Description** |
| Unit | Verify that the code changes are working at a basic level |
| Functional | Execute test cases that will verify that new functionality meets requirements and specifications |
| Integration | Execute test cases that will verify that new functionality is fully integrated with the entire system |
| Regression | Execute test cases that will verify that existing functionality is not negatively affected by coding changes made to support new functionality |
| End to End | Testing that includes exercising the interfaces to all upstream and downstream applications |
| UAT | User Acceptance Testing  Users perform their critical business functions to determine that the system meets their requirements without any loss of critical features. |
| Performance | Measure system response time under normal load |
| Load | Measure system response time under maximum load conditions  Ensure the system will continue to operate under peak conditions |
| Stress | Push the system beyond expected conditions |
| Volume | Exercise test cases under conditions that include large quantities of data |