ASIA PACIFIC COLLEGE

Artist Managers Placement Agency of the Philippines Inc.

Test Plan

Deborah P. Binag
Alyssa Jane B. Lino
Danica Faith M. Parian

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Table of Contents

Overview

Introduction

ASIARABE ENTERPRISES, INC. which was incorporated on May 16, 1987 was shortly changed to Artist Managers Placement Agency of the Philippines and was incorporated on July 2, 1987. AMPAPhil Inc. is a Non–Construction Philippine-based human resource recruitment and deployment agency, which takes pride in providing world-class Filipino professional and skilled workers and performing artist. We are committed to contribute growth and success by providing our client with candidates that match their specification and qualification through our relentless effort to take extra mile in imparting an outstanding service giving us an edge in the overseas employment industry. The estimated number of overseas contract workers deployed as of December 2012 is 16, 105. AMPAPhil Inc. specializes in recruitment, deployment and post deployment services such as:

- Mobilization, sourcing and pooling of applicants based on clients' specifications;
- Preliminary screening and testing prior to final selection by the principal and/or employer;
- Document processing in POEA and at the Embassy of the country of destination, when necessary; and
- Orientation, briefing meetings and Pre-Departure Orientation Seminar

Artist Managers Placement Agency of the Philippines Inc. is a member of Overseas Placement Association of the Philippines (OPAP) and also a member of Philippines Association Services Exporters INC. (PASEI).

Assumptions

The following statements are the explicit and implicit assumptions for AMPAPhil:

1. The data input in to the system is manual and can only be done by the administrator or employee of the agency.
2. The system is able to store data regarding the applicants that can become talents in the future, employees, managers, clients and even the transactions or payments made.
3. The system is able to compute for the share of payment from the client given to the talent and to the agency.

4. The system is able to help the administrator to monitor the schedule of events for their talents.
5. The system is able to provide a user-friendly interface that can be easily understood by any of the agency's employees.
6. The system is able to provide data that can be very useful in decision-making.
7. The system is able to provide a very convenient and fast experience for the employees, talents, managers and clients in every transaction.

Test Items

The items to be tested are the major functionalities and the requirements and performance of the system.

Items needed to be test:

- Administrator Account

    This involves the login and logout of the account. This is also a part of the security issue that needs to be test first before the functionality of the system.

- User Interface – Design of the system

    This is one of the criteria that focus on the design and to anticipate what users might need to do and ensures that the interface has elements are easy to access.

- Performance

    This involves the accuracy and the amount of time you will use the system. The performance of the system is dependent on how well it works together as a whole.

- Functionality

    A major portion of the test items that consists of the Event and Applicant Screening schedule, Employee and Talents Record, and the Calendar module to view the events and schedule of each Talent in the Agency. Also, the requirements specification, project plan & schedule and use case of the system should also be considered in testing this project.

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Features to be tested

This section focuses on the functional aspects of the system and a list of what to be tested from the Users viewpoint and describe the level of importance.

Events Section - High Level

Client Section - High Level

Talent's Record - Medium Level

Applicant Section - Low Level

Employee - Medium Level

Screening Section - Low Level

Features not to be tested

In the booking and management system, there are several features and specifications that are not to be tested. These includes out of scope features, low risk features and future functionality.

•   Managers' Module – this portion is for future use of the system and still has no function yet.

•   Transaction Phase – this section is very confidential and should be used by the Administrator. Also, this is for the future use of the management and it is not required to finish said by the client.

•   About and Contact Page – this has a low risk factor in the system that is not too important to test.

Approach

The test approach for this project is manual testing. The tester should be able to test the following:

1. Black-box testing – The tester should ensure that the requirements and functionalities are met.
2. White-box testing – The tester should ensure that the internal logic of codes are correct and necessary for a specific function.
3. Unit testing – The tester should be able to test each modules that the system has.
4. Regression testing – The tester should be able to test the whole system according to the specifications available.
5. Performance testing – The tester should be able to test the performance of the whole system. The tester should ensure that the system can process data and respond to the user fast.
6. Usability testing – The tester should be able to evaluate if the system would be useful for the agency. The tester should be able to identify if the system can increase productivity of the agency and will not cost much for the owner of the agency.

Item Pass/Fail Criteria

	PASS	FAIL
Component Testing		
Test Case – Completeness		
Performance - Speed and Accuracy		
User Interface – Good design and User Interaction		
Security – Account access and permission		
Regression Testing – Enhancements and Configuration		
Defects Encountered – Fixed		
Software Specifications – Standards Conformity		
Compatibility Testing – Performance on different screen sizes, OS version and Configuration		

Test Deliverables

Name	Description	Responsibility of
Test Plan Document	A documentation that will be used by the testers so that they will have a background on the scope of their tasks.	• Project Manager • Business Analysts
Test Cases	A documentation that shows a step by step guide of the different modules in the system.	• Business Analysts
Test design specifications	A documentation that includes the overall scope of the project.	• Project Manager • Business Analysts
Tools and their outputs	A list of all the tools that were used in the development of the project.	• Developers

Error logs and execution logs	A documentation that includes the different errors encountered and the record of times that the system is executed.	• QA Team
Problem reports and corrective actions	A documentation of all the recommendations that will help solve and correct different defects or error encountered.	• QA Team • Business Analysts • Developers

Testing Tasks

The following tasks are necessary for preparing and performing the system tests:

• Designing the system tests

- Providing all the object oriented and user interface requirements. From planning to design phase, all factors including the objectives and goals of the system should be identify.
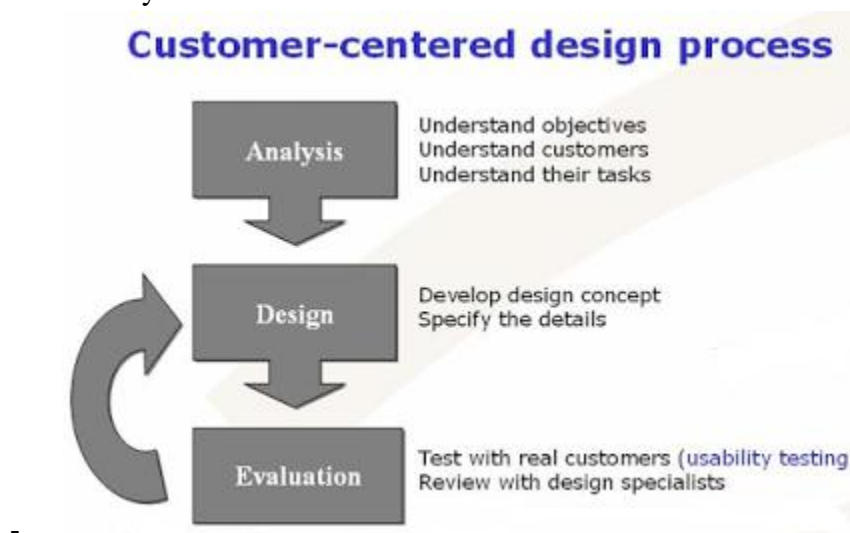

Customer-centered design process

Analysis — Understand objectives / Understand customers / Understand their tasks

Design — Develop design concept / Specify the details

Evaluation — Test with real customers (usability testing) / Review with design specialists

Figure 1: Testing Design Process

Source: narayan-singh.blogspot.com/

• Ensuring that all environmental needs are satisfied for the system tests.

• Completing the integration tests.

- The execution test should be done here. The implementation processes and procedures should be able to provide and the requirements specification should match with the output of each process.

• Writing a test report and, if necessary, problem reports

- Test report is being produce at the last part of the plan. This contains scores for all areas of testing. This should be detailed and must have a recommendations and observation regarding testing. If problems occur, a problem reports should be produce. This identifies all the defects and problem encountered while testing. And if a solution is not available, the details in a problem report can help you to determine.
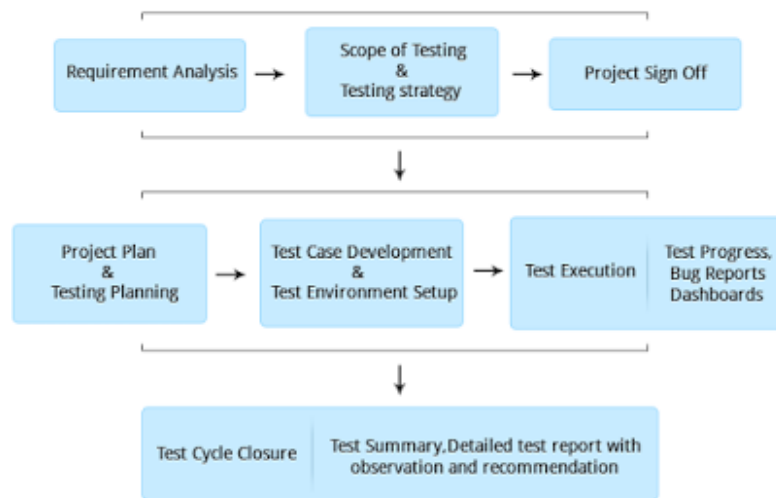

Figure 2: Testing Flowchart

Source: narayan-singh.blogspot.com/

Environmental Needs

HARDWARE ENVIRONMENT:

CPU: Intel® Core™ i3-2430M / i5/ i7

System Type: 32-bit Operating system / 64-bit Operating system

Memory/Storage: 500GB

SOFTWARE ENVIRONMENT:

Programming Languages:

- PHP 5.4.16

- MySQL

DATABASE SERVER:

- PHPMyAdmin

WEB SERVER APPLICATION:

- XAMPP 1.8.2

OPERATING SYSTEM:

- This system will run in any Windows Operating System such as Windows XP, Windows Vista, Windows 7 and Windows 8

TOOLS:

For development:

- TortoiseSVN

- Browser

- Notepad++ or Sublime Text 2

For testing:

- Browser

FRAMEWORK:

- Yii2 with advanced template

Responsibilities

INDIVIDUAL	ROLE / RESPONSIBILITY
• Project Manager • Business Analyst • QA Manager	• Test reviews of business requirements
• Project Manager • Business Analysts	• Managing the test process or each test phase, such as User Acceptance Testing (UAT)
• Project Manager • QA Manager • Developers	• The completion of the test risk assessment
• QA Lead • QA Analyst	• Designing the tests & test data
• QA Analyst	• Executing the tests
• QA Lead • Developers	• Management & resolution of incidents reported
• QA Lead	• Reporting the status of issues and tests
• QA Manager	• Configuration and management of the testing repository and tools

Staffing and Training

Deliverable	For	Training Needs
Test Plan	Project Manager; QA Lead; Test Team	Responsible for training the following test resources
Traceability Matrix	Project Manager; QA Lead	Must be trained on the process being used for the project
Test Results	Project Manager	Must be trained on the defect/issues
Test Status report	QA Manager, QA Lead	
Implementation and Development	Developer/Component Testers	Must know PHP and Yii for the framework; Must be skilled in unit testing and integration testing
Hardware and Technical Requirements	Technical Support Team	Must be knowledgeable on the technical processes and requirements
Test Meeting Reports	SCRUM Master	Must be skilled in producing reports and updates on the system
Metrics	**All team members**	Must be experienced in system testing and trained on the test specification requirements

Schedule

Task Name	Start	Finish	Effort	Comments
Test Planning	February 2	February 5	4 days	**Startup Plan**
Review Requirements documents	February 6	February 9	4 days	**Requirements documentation**
Create initial test estimates	February 9	February 11	3 days	**Estimation of Testing process schedules**
Physical and Logical Design	February 9	February 12	4 days	**Design/Object Oriented Plan Documentation First Static Review**
First deploy to QA test environment (Iteration 0)	February 16	February 27	12 days	**Iteration 0 (GUI)**
Functional testing – Iteration 1	February 28	March 6	7 days	**Iteration 1 (Implementation Phase)**
Iteration 2 deploy to QA test environment	March 7	March 12	6 days	**2nd round Static Review**
Functional testing – Iteration 2	March 23	March 29	7 days	**Iteration 2**
System testing	March 30	April 1	3 days	**Testing after Iteration 2**
Regression testing	April 1	April 3	3 days	**Testing the system after all the changes**
UAT	April 3	April 5	3 days	**User acceptance Testing – Final testing before deployment**
Resolution of final defects and final build testing	April 3	April 6	4 days	**Final Testing**
Deploy to Staging environment	April 6	April 8	3 days	**Deployment to Staging environment**
Performance testing	April 6	April 11	6 days	**Last testing after UAT**
Release to Production	April 11	April 15	5 days	**Last deployment environment**

Resources

This section presents a list of documents that will use for the reference and guide in accomplishing the deliverables of the system.

1. Test plan
2. Test cases
3. Project specification
4. Defects log
5. UAT request

Risks and Contingencies

This will serve as a plan and preparation to determine the best contingencies in the event that one of the planning risks occurs. This is important because the scope and nature of a project almost always change as the project progresses.

The following includes all the risks:

- The agency might not meet the requirements such as the hardware, software and hosting in implementing the project.
- The administrator might input inconsistent data that will allow the system to mix up records.
- The agency might still want to use paper and pen because they are already used to it.
- The agency might not welcome necessary training to use the system.

The following actions will be taken:

- Resources will be added to the test team. There may be some optimization of resources.
- Tester should be able to test and put correct data for consistency.
- System should work properly and it should be user-friendly.
- Training resources should be absorbed by the Client and it should be very helpful to them.

Approvals

There will be 4 Iterations in implementing the project. This includes first and second static review, dynamic testing and final dynamic testing. With these, there will be a Quality Assurance Group who will test and verify the Software Quality Assurance Plan each iteration.

The following are the group of people and advisers who are included in the project:

Project Advisers	Signature	Date
Ms. Rhea-Luz Valbuena		
Mr. Ernesto Boydon		
Project Panelists		
Ms. Donna Lalusin		
Mr. Alfredo Calimbo		
SQA Group		
Julian Acuna		
Paolo Sagun		
Angelo Charles Sia		
Subject Professor		
Mr. Allan Cotecson		