

ASIA PACIFIC COLLEGE

Artist Managers Placement Agency of the Philippines Inc.

Software Quality Assurance Plan

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Software Project Management Plan

Vision and Scope

Vision

The project aims to provide a convenient process for the agency to monitor the number and schedule of their talents without the use of any paper and pens. This will also enable the agency to keep track of every necessary record without the worry of losing it.

Scope

Talents' Record

- The system is able to store information about the talent and the client. The system should provide a database for the list of all talents and clients that will limit the other modules within the list inside the database.

Schedule of each talent

- The system should be able to monitor schedule of the talents. The system should be able to notify the agency if a talent has already an existing or future booking that will prevent them to have conflicts with other talents or clients. The system should be able to provide the details of each booked talent in a particular day, week or month including the client's name or business.

Calendar Module

- The system is able to provide a calendar for the Administrator to view and check the events and screening schedule of each Talent.

Transaction Module

- The system should be able to compute the payment for each talent. A percentage of the rate given to the talent will go to the agency. Also, the system should be able to provide a database for each transaction for future use. In this module, it should only detect a talent that is already in the database to provide consistent data and to prevent mixing up of records.

Feasibility and Risk Analysis

Feasibility

- The system is able to provide a database for the agency that may be used in their future decision-making.
- The system is able to provide a user-friendly interface to the user.
- The system is able to provide a more convenient experience to the user such as the agency administrator and the talents.

Risk

- 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.

Feasibility and Risk Component	Overview	Solution
1. Usability	The system should be able to provide a database that will hold all the necessary data that will be helpful to the business. Also, the system should be able to provide a more convenient experience for the user.	The group must list all possible features that will be helpful for the agency to make interaction fast and convenient.
2. Environment and Design	The system should be able to provide a user-friendly interface to the user. The system should be easy to understand by the user.	The group must consult the preferred design of the agency and provide a help page for the whole system that can serve as their guide in using the system.
3. System Requirements	The agency might not meet the requirements for the system to be deployed.	The group must produce a system that has features so that it will compensate the cost of all the requirements and return the income more than what they have spent.
4. Training and Maintenance	The agency might not be open for training and maintenance as	The group will provide a user manual and complete

	it may be an additional cost for them.	documentation of the system as a reference for them in their overall use.
5. Development and Deployment Schedule	The group might not meet the deadline for each deliverable due to change requests or lack of resources.	The group will follow Agile Methodology and should be consistent in their SCRUM meetings in order to anticipate the tasks that should be accomplished on each iteration.

Management Approach

Agile Methodology

The group is required to follow the agile methodology.

Agile Software Development (ASD) is a methodology for the creative process that anticipates the need for flexibility and applies a level of pragmatism into the delivery of the finished product.

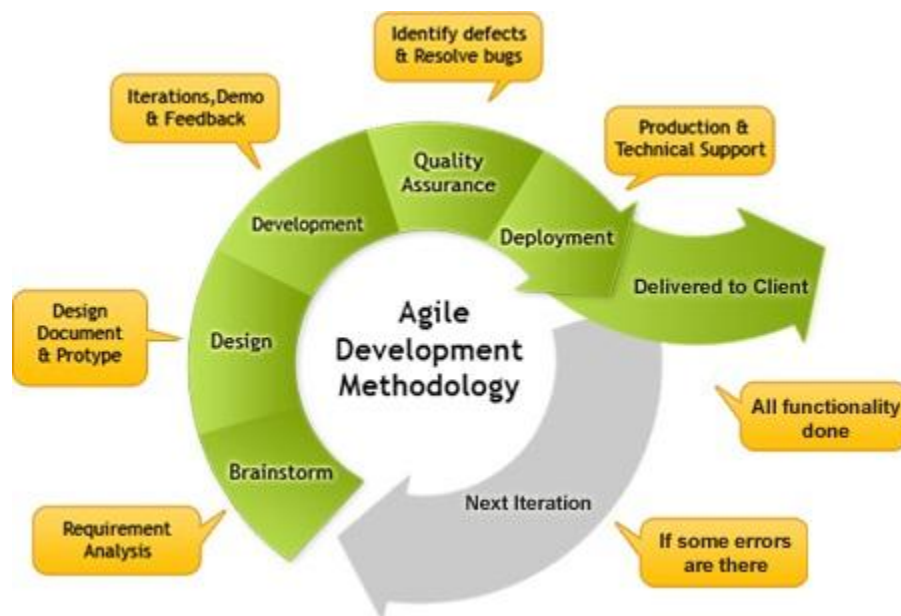


Figure 1 Agile Methodology, source: <http://www.maestrintel1.com>

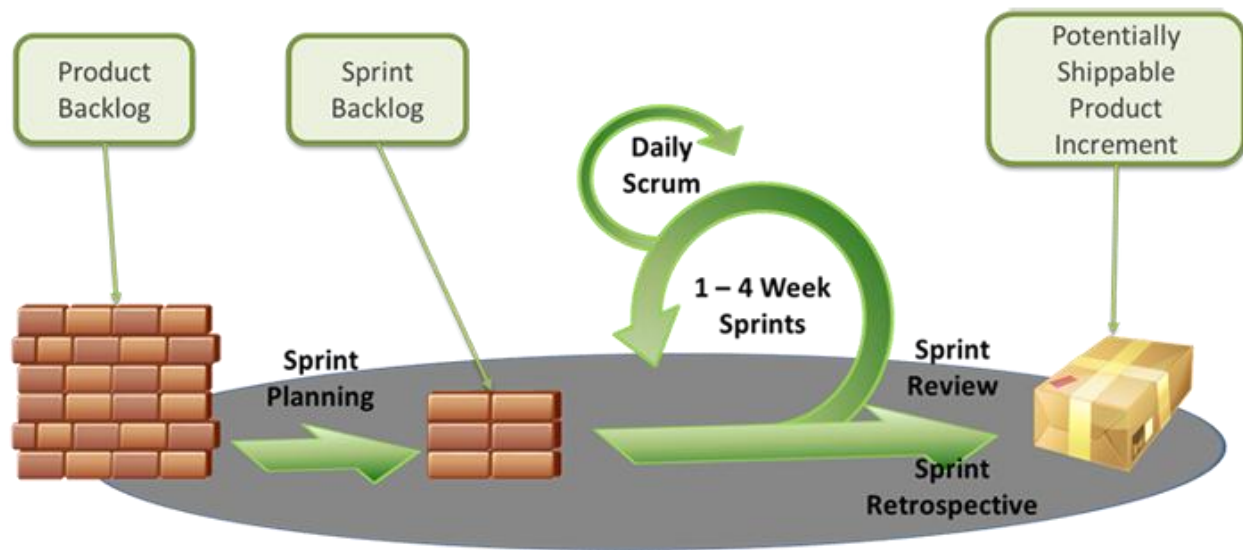


Figure 2 Meeting and Communication, source: <http://www.bestoutcome.com/>

Roles and Responsibilities

Name	Role	Responsibilities
Deborah Binag	System Analyst/Project Developer	<input type="checkbox"/> Ensure the quality of the system <input type="checkbox"/> Ensure a consistent communication with the client <input type="checkbox"/> In charge of all the minutes of the meeting <input type="checkbox"/> Project documentation
Alyssa Jane Lino	Project Manager/Development Lead	<input type="checkbox"/> Ensure that deliverable is accomplished on time <input type="checkbox"/> Ensure that requirements are met <input type="checkbox"/> Should be able to adapt to changes in the middle of project development
Danica Faith Parian	System Analyst/Project Developer	<input type="checkbox"/> Ensure the quality of the system <input type="checkbox"/> Ensure a consistent communication with the client <input type="checkbox"/> Project documentation

The group will also implement daily SCRUM meetings and weekly meetings for project updates and concerns. While for the client, we have agreed to hold meetings every after 2 weeks.

Throughout the development process, the team should complete the following:

- Individual Weekly Accomplishment Report
- Weekly Project Status Report
- Final Project Documentation

Technical Approach

Software Environment

- **Programming Languages**

AMPAPhil Booking and Management System will be interfaced with a Yii 2.0 Framework and will use PHP as its programming language. The database will be stored on the server using MySQL.

- **Specific Software**

MYSQL is used for the database while XAMPP is used for the server. For the framework, the group will use Yii 2.0.

- **Operating System**

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

Hardware Environment

CPU: Intel® Core™ i5-2430M / i3/ i7

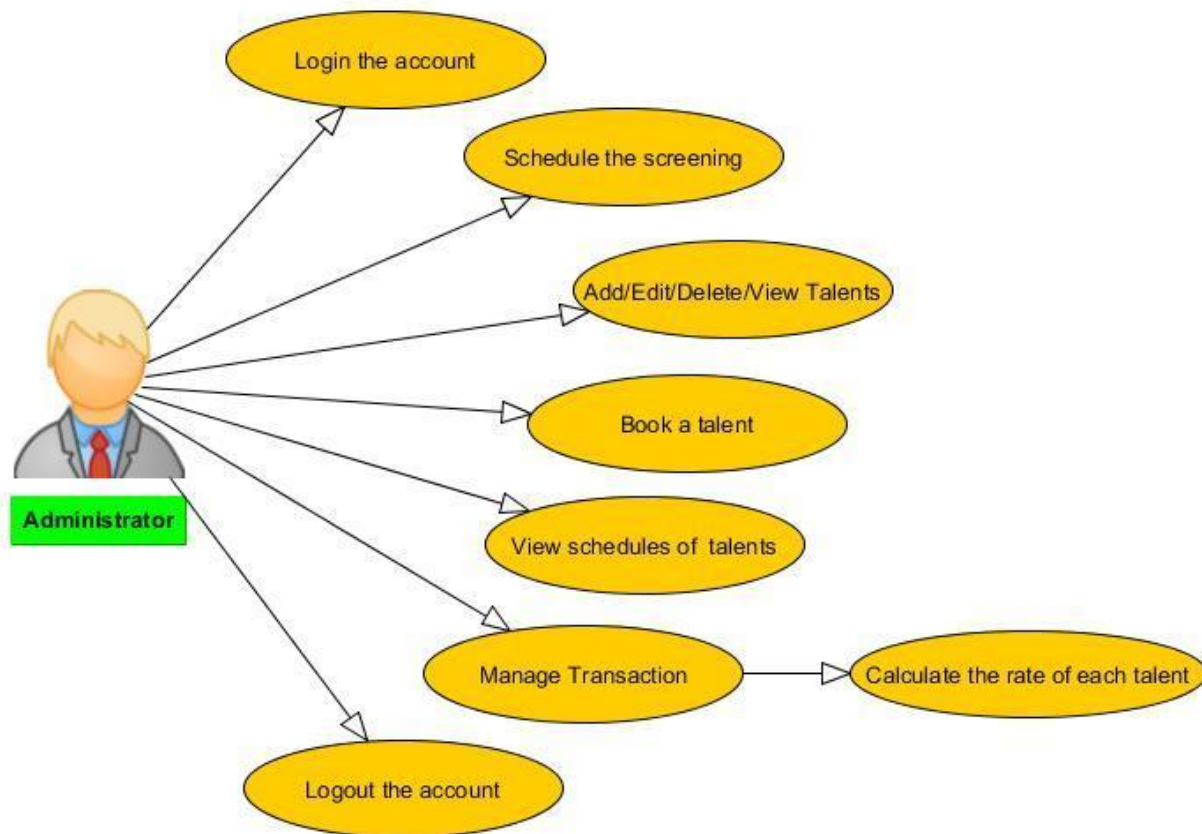
System Type: 32-bit Operating system/ 64-bit Operating system

Memory/Storage: 500GB

Network and Security

The application should only be accessed by the administrator. The administrator is the one who will login to the page and manage the whole system. The only safety concern here is to keep all the files and transaction done in the system private and confidential.

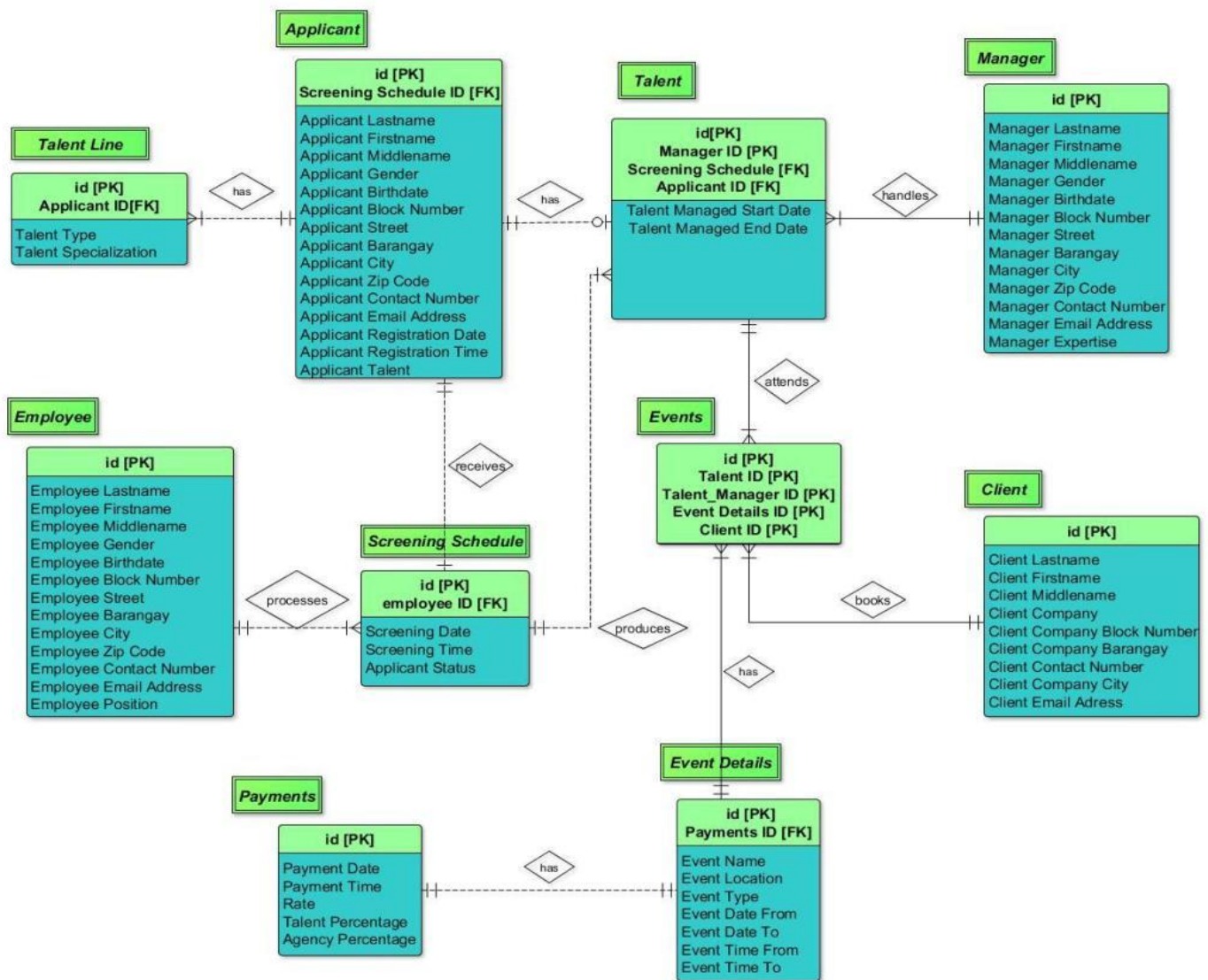
Use Case Diagram



Requirements Document

The Logical Database Description (LDD)

Logical Entity Relationship Diagram



Entities and Description

1. Entity Name: Applicant

Description:

Applicant is the one who will apply to the agency to be one of their talents.

Relationship: (Weak)

Applicant has many talent lines .

Applicant has talent

Applicant receives screening schedule

Actor Interaction:

Applicant - can be a talent

2. Entity Name: Talent Line

Description: Talent Line consists of talent type and talent specialization. It can be a Singing or a Dancing.

Relationship: (Weak)

Applicant has many talent lines

Actor Interaction:

Applicant and Talent are the ones who will add or create Talent line

3. Entity Name: Screening Schedule

Description:

Screening schedule shows the schedule of each applicant to the screening via Calendar

Relationship: (Weak)

Employee processes many Screening schedule

Applicant receives a Screening schedule

Screening schedule produces many talents

Actor Interaction:

Administrator - the one who will schedule the screening

4. Entity Name: Employee

Description:

Employee is the one who are part of the organization and the management.

Relationship: (Weak)

Employee processes many screening schedule

Actor Interaction:

Administrator - the one who will add employees to the system

5. Entity Name: Events

Description:

Event is a planned occasion or activity (such as debut, wedding, etc.)

Relationship: (Strong)

Many events has event details

Client books many events

Talent attends many events

Actor Interaction:

Administrator - will create the events

6. Entity Name: Talent

Description:

Talent refers to a person having such ability.

Relationship: (Weak)

Applicant has talent

Many talents produces screening schedule

Relationship: (Strong)

Talent attends many events

Manager handles many talents

Actor Interaction:

Administrator - who can add, edit, delete and view talents

7. Entity Name: Manager

Description: Manager is the one who will manage the system aside from the administrator and the employees. This module is for future use in the system.

Relationship: (Strong)

Manager handles many talents

Actor Interaction:

Administrator – who can add, edit, delete and view manager’s module

8. Entity Name: Payment

Description:

Payment refers to the calculation of the rate of the talent and the percentage rate of the agency and the talent.

Relationship: (Weak)

Event details has payment

Actor Interaction:

Administrator - the one who will calculate the rate of each talent and the agency

9. Entity Name: Client

Description:

Client is the one who will book the event to the agency and uses the services.

Relationship: (Strong)

Client books many events

Actor Interaction:

Administrator - the one who will book the event to the system

10. Entity Name: Event Details

Description:

Event details composed of event name, location, type, status and more fields regarding the event.

Relationship: (Strong)

Event details has corresponding payment

Actor Interaction:

Administrator - the one who will create an event details

Software Requirements Document (SRD)

User Requirements

Scope of the Administrator:

- Talent's Record - can add, edit, delete and view talents
- Booking/Schedule - can schedule the screening of the applicants, book an event and talents
- Calendar - can view the schedule of events via Calendar
- Transaction - can compute and calculate the rate of each talent and the percentage rate of the talent and the agency

Security Requirements

The uses of login account only by the administrator to ensure the safety and secured records of the system.

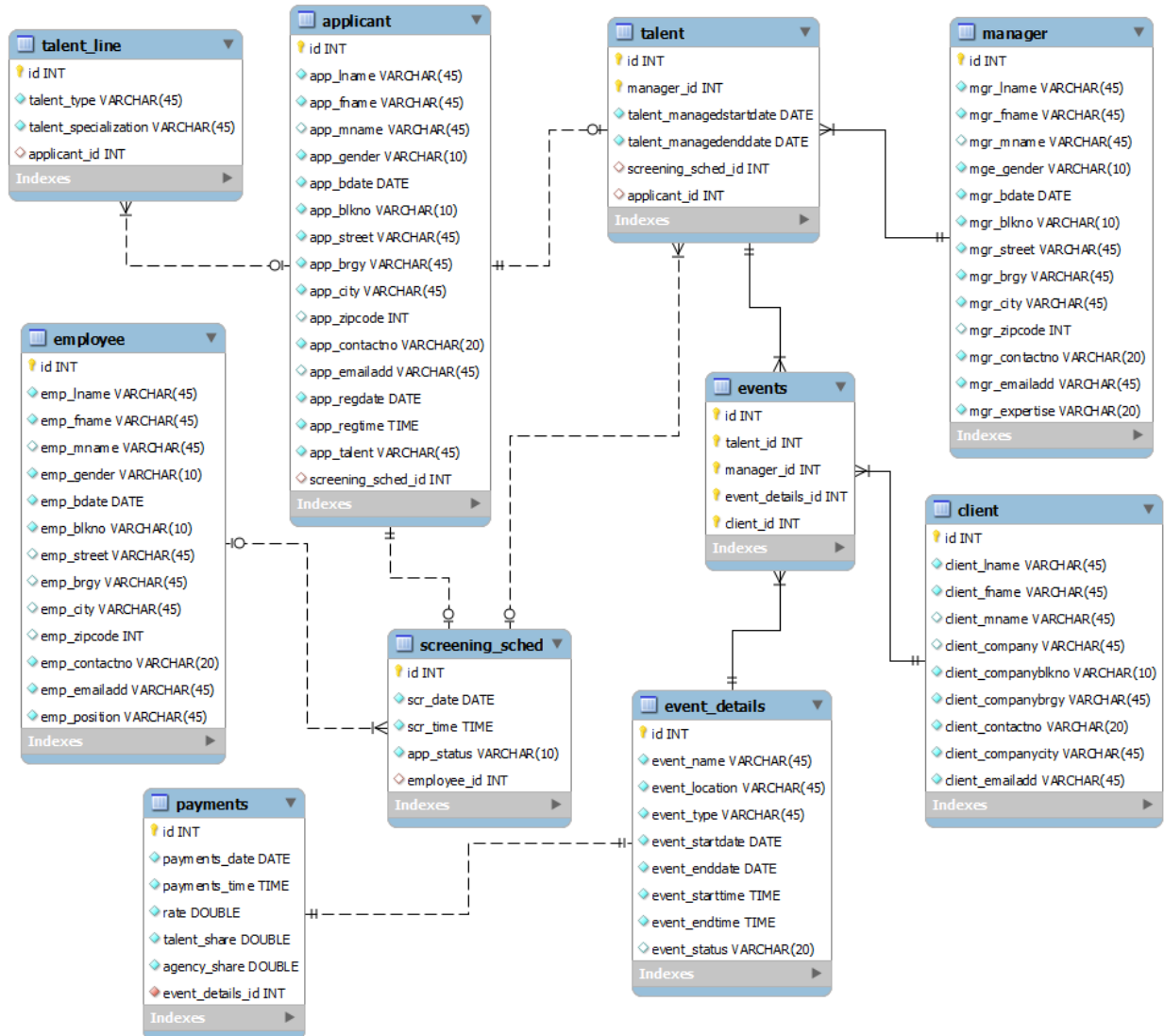
The Requirements Traceability Matrix

Project Name	AMPAPhil Booking and Management System							
Project Manager	Alyssa Jane Lino							
QA Lead	Deborah Binag and Danica Parian	Target Implementation Date		Apr-15				
Requirement ID #	Requirement Description	Requirement Type	Status	Priority	Software Module	User Acceptance Validation	Tested In	Test Case Number
1	Provides a Graphical User Interface to ensure that the design has elements are easy to access	Low-Level	PASS	Low	User Interface			1
2	Application runs in any browser	Low-Level	PASS	Low	System Interface			
3	Provides a signup page to allow creating an account	Low-Level	PASS	Low	Homepage	OPTIONAL only		
4	Provides a login page accessed only by the Administrator	Medium-Level	PASS	Medium	Login Page			1
5	Displays the Main Features of the system after logging in	High-Level	PASS	High	Main Page			1
6	Allows to edit, add and delete Employee	Medium-Level	PASS	Medium	Employee			2
7	Allows the Administrator to create,update an Applicant	High-Level	PASS	High	Applicant			3
8	Allows the Administrator to schedule a screening for the Applicant	High-Level	PASS	High	Applicant/ Screening			3
9	Allows to edit, delete, add and view the Talent's Record	High-Level	PASS	High	Talent			4
10	Allows to create a Client	Medium-Level	PASS	Medium	Client			5
11	Allows to book an event	High-Level	PASS	High	Event			5
12	Allows to book a Talent depending on the Event	High-Level	PASS	High	Event			6
13	Allows to View Schedule of talents	High-Level	PASS	High	Talent			
14	Allows to view the events via Calendar	High-Level	PASS	High	Calendar Page			
15	Allows to logout the account	Medium-Level	PASS	Medium	Homepage			7

Design Document

The Physical Database Description

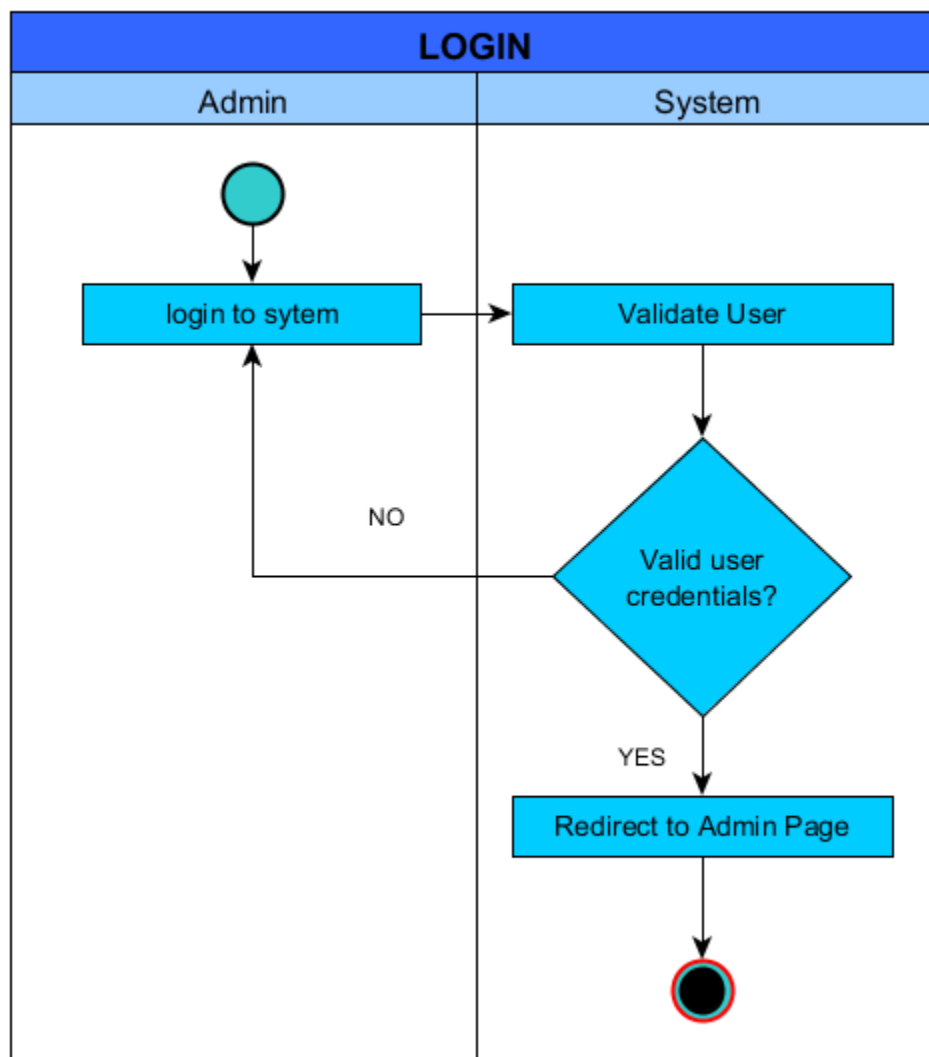
Entity Relationship Diagram

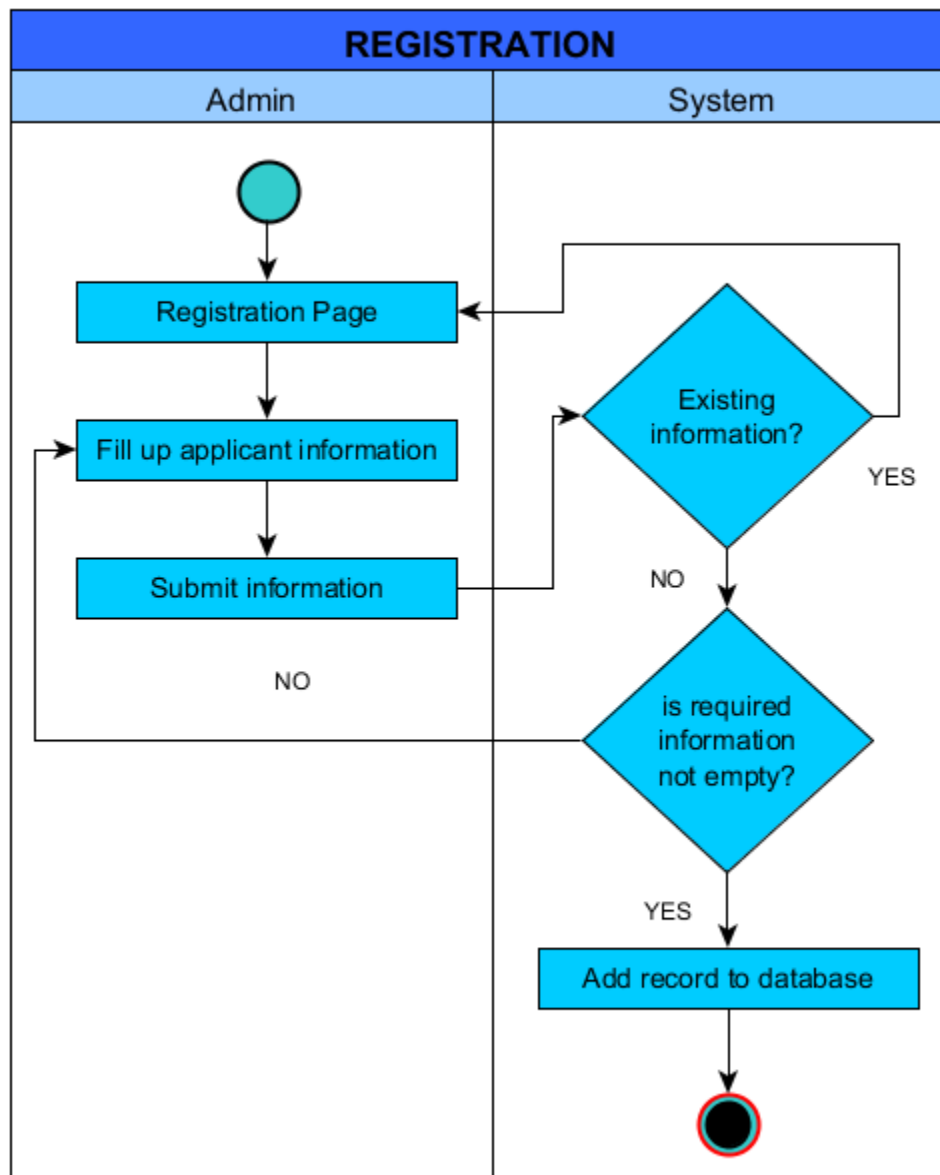


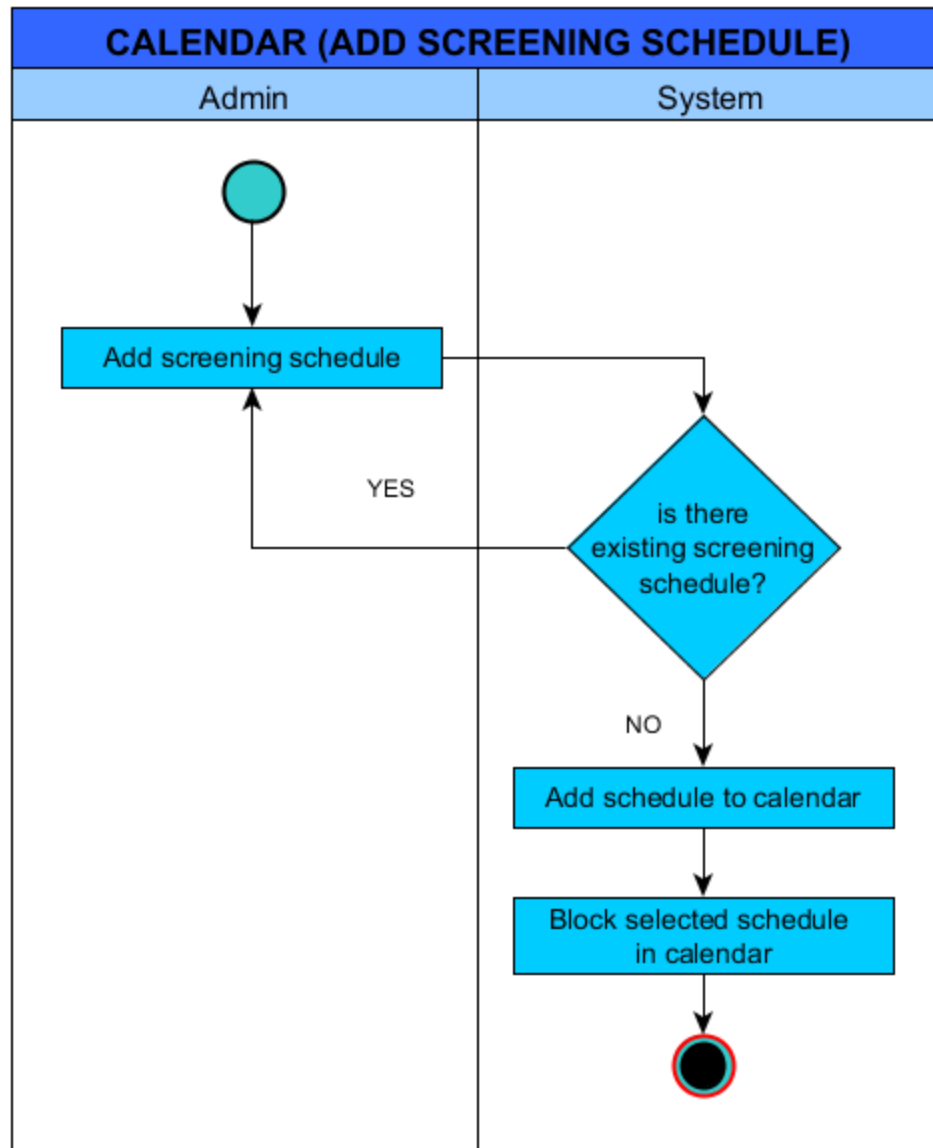
Components of the ERM

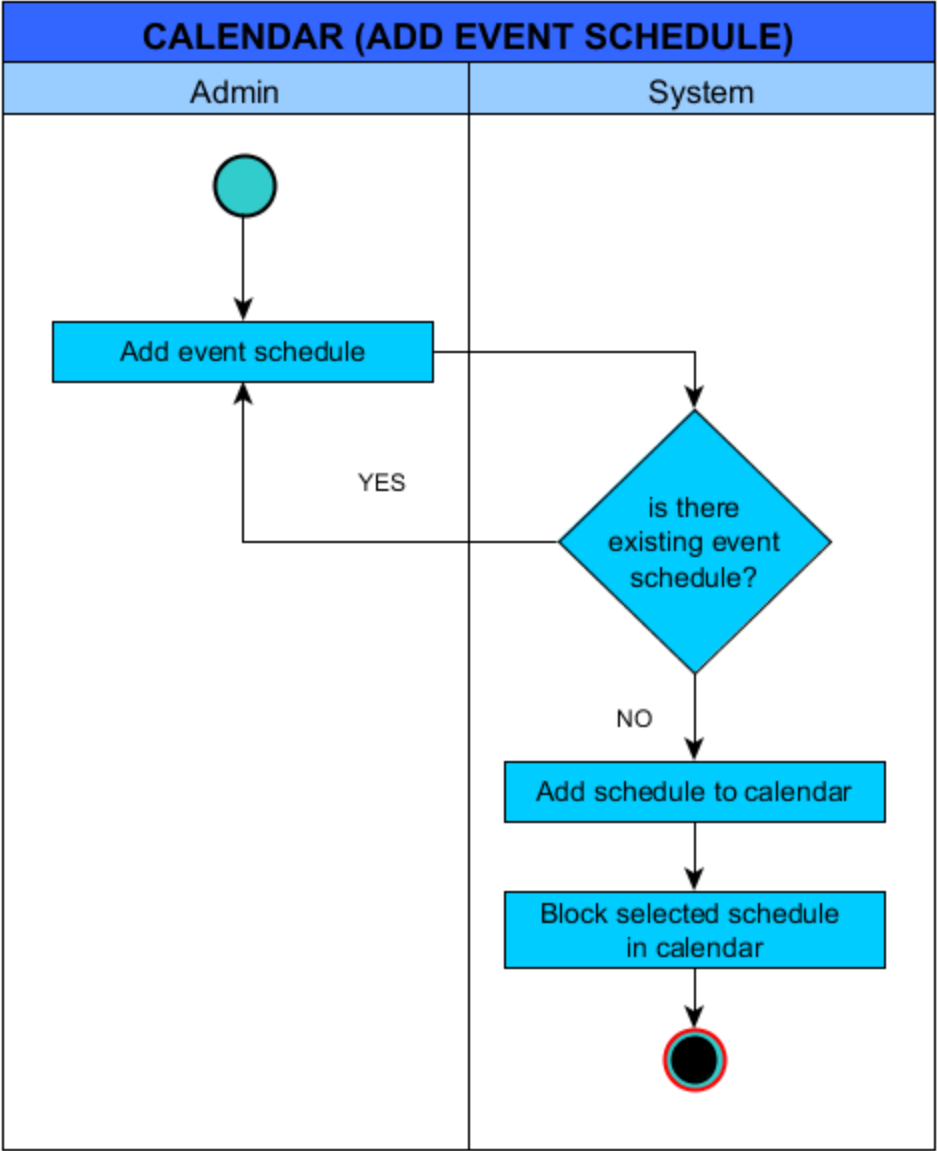
ENTITY	RELATIONSHIP	CONNECTIVITY	ENTITY
Applicant	has	1:M	Talent_line
Applicant	becomes	1:1 (optional)	Talent
Applicant	receives	1:1	Screening_sched
Employee	processes	1:M	Screening_sched
Client	books	1:M	Events
Manager	handles	1:M	Talent
Talent	attends	1:M	Events
Screening_sched	produces	1:M	Talent
Event_details	has	1:1	Payments
Event_details	has	1:M	Events

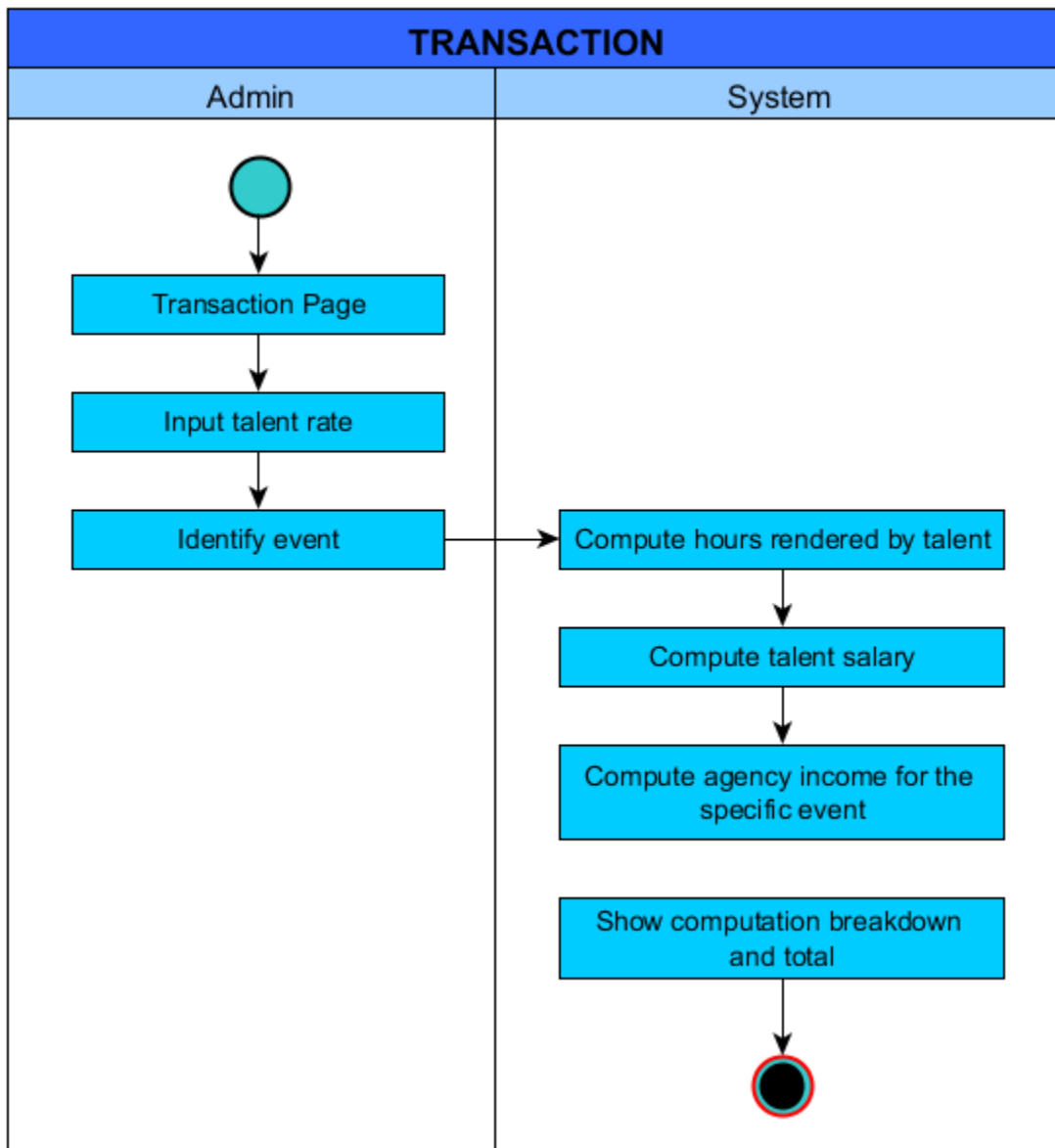
The Software Design Document

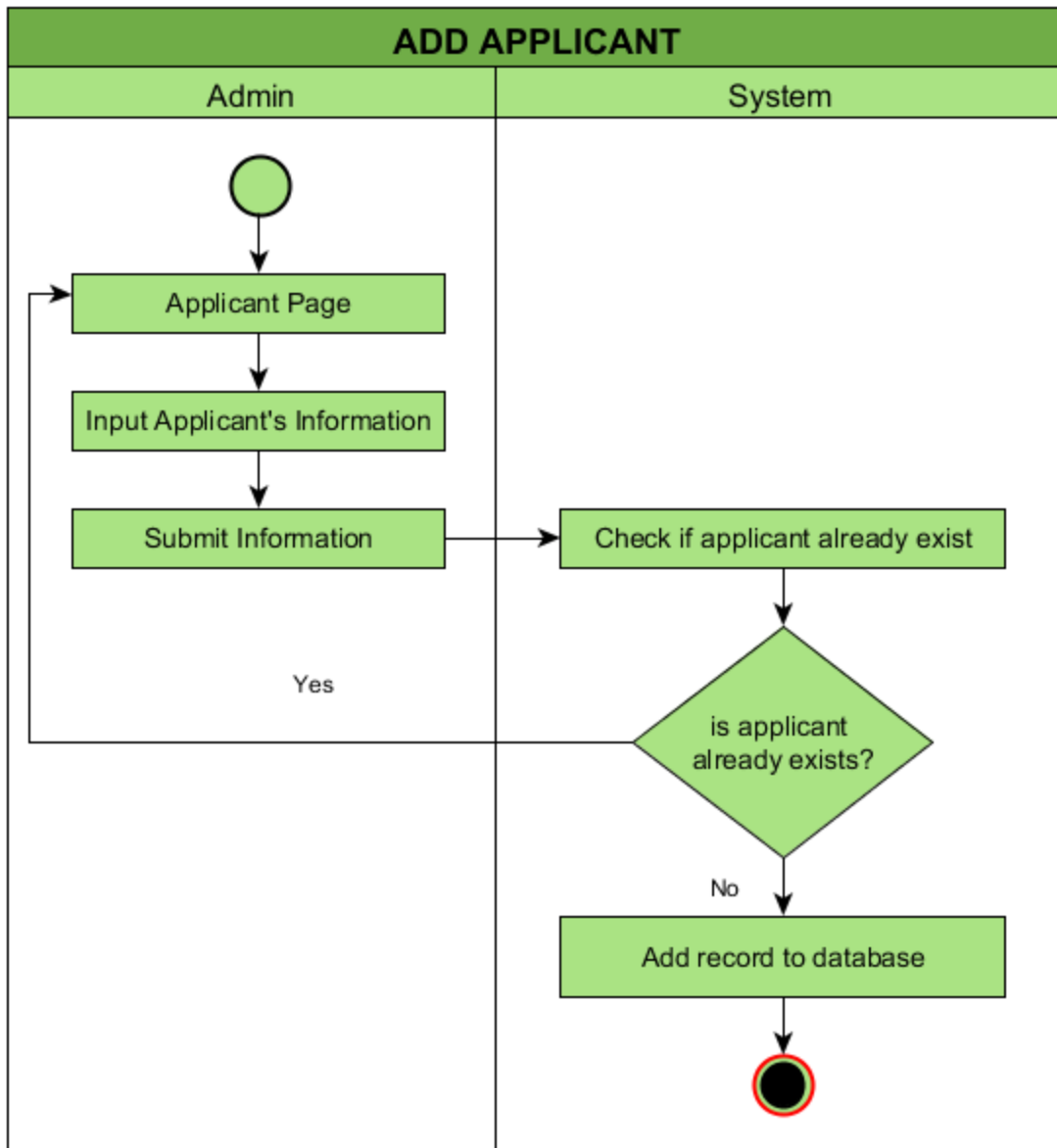


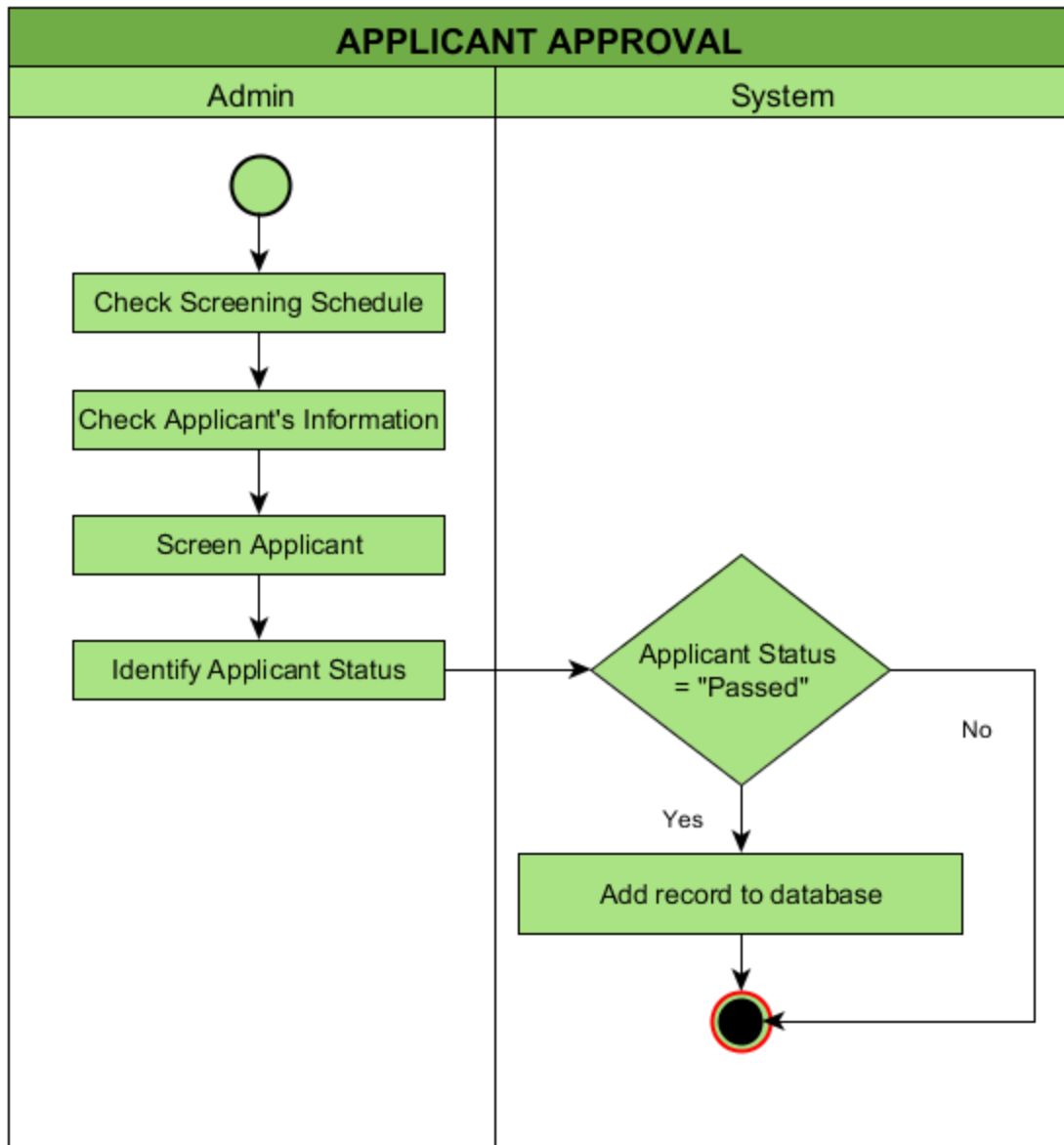












Online Help

Data Areas

Features	Functionality
Employee module	<ul style="list-style-type: none">• Create employee record• Update employee record• Delete employee record• View employee record
Applicants module	<ul style="list-style-type: none">• Create applicant record• Update applicant record• Delete applicant record• View applicant record
Screening Schedule module	<ul style="list-style-type: none">• Create screening schedule for applicant• Update screening schedule for applicant• Delete screening schedule for applicant• View screening schedule for applicant
Talents module	<ul style="list-style-type: none">• Create talent record• Update talent record• Delete talent record• View talent record
Manager module	<ul style="list-style-type: none">• Create manager record• Update manager record• Delete manager record• View manager record
Client module	<ul style="list-style-type: none">• Create client record• Update client record• Delete client record• View client record
Events module	<ul style="list-style-type: none">• Create event record• Update event record• Delete event record• View applicant record
Transaction module	<ul style="list-style-type: none">• Create transaction record• Delete transaction record• View transaction record• Compute for talent and agency's share based on rate

Optional Scenarios

1. How do I create an applicant record?

Click on the Applicants module on the home page. To add an applicant, click on the “Create Applicant” green button located at the left side of the page. Accomplish all the required fields and click on “Create” green button at the bottom.

Note: This is also same with the other records. Just click their appropriate module and navigate from there.

2. What is the “Add Talent Line” green button for?

This is to specify the talent of a specific applicant for easy reference. After creating an applicant, an administrator may specify the talent of that applicant by identifying the applicant’s name, his or her talent type and talent specialization.

3. How do I update an applicant record?

An administrator should search any applicants by any of the available search boxes. After displaying all the possible results, click on the pencil icon that says “Update” on the right side of the page. Alter any of the details and click on the “Update” blue button at the bottom. Verify if the changes has been made from the view page of the module.

Note: This is also same with the other records. Just click their appropriate module and follow again the steps. Update is not available for the Transaction module.

4. How do I delete an applicant record?

An administrator should search any applicants by any of the available search boxes. After displaying all the possible results, click on the trashcan icon that says “Delete” on the right side of the page. A message box will appear that says, “The page at localhost says: Are you sure you want to delete this item?” Just click on OK and verify if the item is already deleted from the table view of the module.

Note: This is also same with the other records. Just click their appropriate module and follow again the steps.

5. How do I view an applicant record?

An administrator should search any applicants by any of the available search boxes. After displaying all the possible results, click on the eye icon that says “View” on the right side of the page.

Note: This is also same with the other records. Just click their appropriate module and follow again the steps.

Data Dictionary

DATA DICTIONARY

FK	= Foreign Key
PK	= Primary Key
AI	= Auto Increment
CHAR	= Fixed character length data
VARCHAR	= Variable character length data
DECIMAL	= Numeric Data
DOUBLE	= Numeric Data
INT	= Integer

TABLE NAME	ATTRIBUTE NAME	CONTENTS	TYPE	NOT NULL	AI	PK	FK
Talent	id		INT	✓	✓	✓	
	manager_id	Manager's ID Number	INT				
	talent_managedstartdate	Talent's start date	DATE				
	talent_managedenddate	Talent's end date	DATE				
	screening_sched_id	Screening schedule ID Number	INT	✓			✓
	applicant_id	Applicant's ID Number	INT	✓			✓
Applicant	id	Applicant's ID Number	INT	✓	✓	✓	
	app_lname	Applicant's Last Name	VARCHAR(45)	✓			
	app_fname	Applicant's First Name	VARCHAR(45)	✓			
	app_mname	Applicant's Middle Name	VARCHAR(45)	✓			
	app_gender	Applicant's Gender	VARCHAR(10)	✓			
	app_bdate	Applicant's Birth Date	DATE				
	app_blkno	Applicant's Block No.	VARCHAR(10)				
	app_street	Applicant's Street	VARCHAR(45)				
	app_brgy	Applicant's Barangay	VARCHAR(45)				
	app_city	Applicant's City	VARCHAR(45)				
	app_zipcode	Applicant's Zip Code	INT				
	app_contactno	Applicant's Contact Number	VARCHAR(20)	✓			
	app_emailadd	Applicant's Email Address	VARCHAR(45)	✓			
	app_regdate	Applicant's Regular Date	DATE	✓			
	app_regtime	Applicant's Regular Time	TIME	✓			
	app_talent	Applicant's Talent	VARCHAR(45)	✓			
	screening_sched_id	Screening Schedule ID Number	INT	✓			✓
Employee	id	Employee's ID Number	INT	✓	✓	✓	

	emp_lname	Employee's Last Name	VARCHAR(45)	✓			
	emp_fname	Employee's First Name	VARCHAR(45)	✓			
	emp_mname	Employee's Middle Name	VARCHAR(45)	✓			
	emp_gender	Employee's Gender	VARCHAR(10)	✓			
	emp_bdate	Employee's Birth Date	DATE	✓			
	emp_blkno	Employee's Block No.	VARCHAR(10)				
	emp_street	Employee's Street	VARCHAR(45)				
	emp_brgy	Employee's Barangay	VARCHAR(45)				
	emp_city	Employee's City	VARCHAR(45)				
	emp_zipcode	Employee's Zip Code	INT				
	emp_contactno	Employee's Contact Number	VARCHAR(20)	✓			
	emp_emailadd	Employee's Email Address	VARCHAR(45)	✓			
	emp_position	Employee's Position	VARCHAR(45)	✓			
Manager	id	Manager's ID Number	INT	✓	✓	✓	
	mgr_lname	Manager's Last Name	VARCHAR(45)	✓			
	mgr_fname	Manager's First Name	VARCHAR(45)	✓			
	mgr_mname	Manager's Middle Name	VARCHAR(45)	✓			
	mgr_gender	Manager's Gender	VARCHAR(10)	✓			
	mgr_bdate	Manager's Birth Date	DATE	✓			
	mgr_blkno	Manager's Block No.	VARCHAR(10)				
	mgr_street	Manager's Street	VARCHAR(45)				
	mgr_brgy	Manager's Barangay	VARCHAR(45)				
	mgr_city	Manager's City	VARCHAR(45)				
	mgr_zipcode	Manager's Zip Code	INT				
	mgr_contactno	Manager's Contact Number	VARCHAR(20)	✓			
	mgr_emailadd	Manager's Email Address	VARCHAR(45)	✓			
	mgr_expertise	Manager's Expertise	VARCHAR(20)	✓			
Client	id	Client's ID Number	INT	✓	✓	✓	
	client_lname	Client's Last Name	VARCHAR(45)	✓			
	client_fname	Client's First Name	VARCHAR(45)	✓			
	client_mname	Client's Middle Name	VARCHAR(45)	✓			
	client_company	Client's Company	VARCHAR(45)	✓			
	client_companyblkno	Client's Company Block No.	VARCHAR(10)				
	client_brgy	Client's Barangay	VARCHAR(45)				
	client_city	Client's City	VARCHAR(20)				

Implementation Map

Implementation Map

Task Category	Description	Start Date	End Date	Duration(days)
Project Planning	This involves the software project management plan	February 2	February 11	9 days
Project Design (Physical, Logical and Database)	This involves the requirements document and design document	February 9	February 12	4 days
Development	This involves the implementation phase	February 16	March 6	19 days
Quality Assurance	This involves the test plan, test cases and quality or test reports	March 5	March 11	7 days
Deployment	This is to place the solution into a production environment – Final Iteration/Iteration 3	April 6	April 11	6 days
Closing	Final presentation and documentation	April 8	April 11	4 days

The Requirements Traceability Matrix (RTM)

Project Name	AMPAPhil Booking and Management System						
Project Manager	Alyssa Jane Lino						
QA Lead	Deborah Binag and Danica Parian		Target Implementation Date		Apr-15		
Requirement ID #	Requirement Description	Requirement Type	Status	Priority	Software Module	User Acceptance Validation	Test Case Number
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4	Provides a login page accessed only by the Administrator	Medium-Level	PASS	Medium	Login Page		1
5	Displays the Main Features of the system after logging in	High-Level	PASS	High	Main Page		1
6	Allows to edit, add and delete Employee	Medium-Level	PASS	Medium	Employee		2
7	Allows the Administrator to create/update an Applicant	High-Level	PASS	High	Applicant		3
8	Allows the Administrator to schedule a screening for the Applicant	High-Level	PASS	High	Applicant/ Screening		3
9	Allows to edit, delete, add and view the Talent's Record	High-Level	PASS	High	Talent		4
10	Allows to create a Client	Medium-Level	PASS	Medium	Client		5
11	Allows to book an event	High-Level	PASS	High	Event		5
12	Allows to book a Talent depending on the Event	High-Level	PASS	High	Event		6
13	Allows to View Schedule of talents	High-Level	PASS	High	Talent		
14	Allows to view the events via Calendar	High-Level	PASS	High	Calendar Page		
15	Allows to logout the account	Medium-Level	PASS	Medium	Homepage		7

Test Plan

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, 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.

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 - Low 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.	<ul style="list-style-type: none">• Project Manager• Business Analysts
Test Cases	A documentation that shows a step by step guide of the different modules in the system.	<ul style="list-style-type: none">• Business Analysts
Test design specifications	A documentation that includes the overall scope of the project.	<ul style="list-style-type: none">• Project Manager• Business Analysts
Tools and their outputs	A list of all the tools that were used in the development of the project.	<ul style="list-style-type: none">• Developers
Error logs and execution logs	A documentation that includes the different errors encountered and the record of times that the system is executed.	<ul style="list-style-type: none">• QA Team
Problem reports and corrective actions	A documentation of all the recommendations that will help solve and correct different defects or error encountered.	<ul style="list-style-type: none">• 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

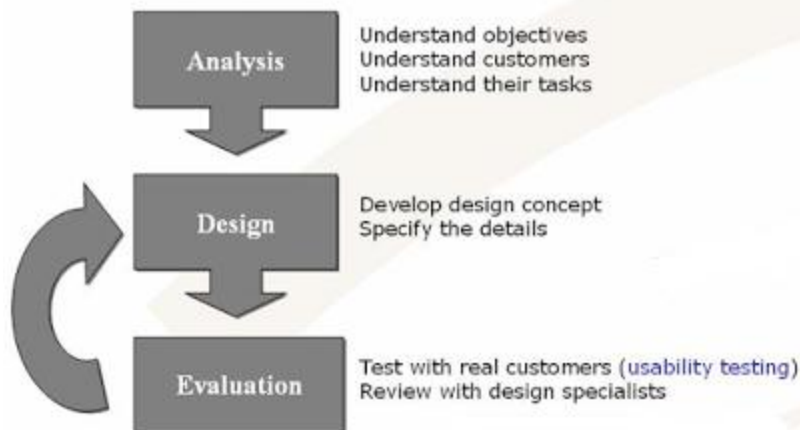


Figure 3: Testing Design Process

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.

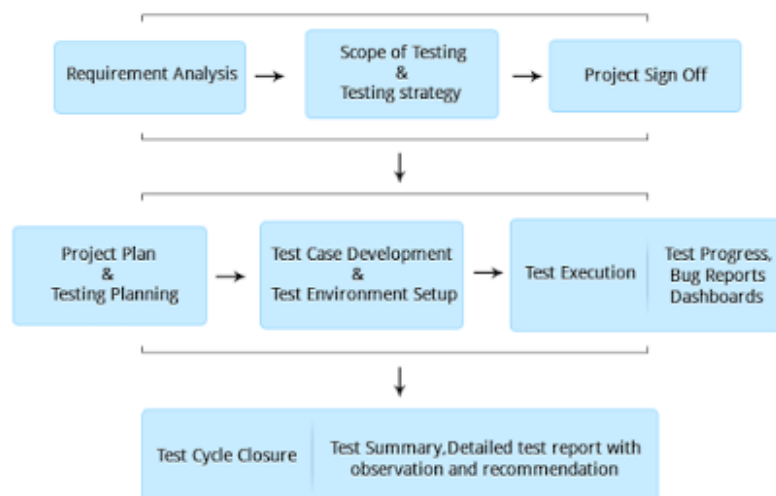


Figure 4: Testing Flowchart

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
<ul style="list-style-type: none"> Project Manager Business Analyst QA Manager 	<ul style="list-style-type: none"> Test reviews of business requirements
<ul style="list-style-type: none"> Project Manager Business Analysts 	<ul style="list-style-type: none"> Managing the test process or each test phase, such as User Acceptance Testing (UAT)
<ul style="list-style-type: none"> Project Manager QA Manager Developers 	<ul style="list-style-type: none"> The completion of the test risk assessment
<ul style="list-style-type: none"> QA Lead QA Analyst 	<ul style="list-style-type: none"> Designing the tests & test data
<ul style="list-style-type: none"> QA Analyst 	<ul style="list-style-type: none"> Executing the tests
<ul style="list-style-type: none"> QA Lead Developers 	<ul style="list-style-type: none"> Management & resolution of incidents reported
<ul style="list-style-type: none"> QA Lead 	<ul style="list-style-type: none"> Reporting the status of issues and tests
<ul style="list-style-type: none"> QA Manager 	<ul style="list-style-type: none"> 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		

Deployment Plan

Introduction

Project:	Artist Manager Placement Agency of the Philippines Inc. - Booking and Management System
Project Deployment Team:	Deborah P. Binag Alyssa Jane B. Lino Danica Faith M. Parian
Date:	April 7, 2015

Background

The Project

AMPAPhil Booking and Management System is a web-based booking system and a talent management system that will allow the company to book an event, as well as to keep track of the records of each talent they handle. This system also allows the company to keep track all events in calendar view.

AMPAPhil Technology

Artist Managers Placement Agency of the Philippines or AMPAPHIL is currently using a pen and paper in its day-to-day operation. With this kind of system, a lot of risks exist such as loss of records, slow processing, costly due to supplies, and a large space in the office is consumed due to the storage of all the printed documents.

Also, most of the talent agencies here in the Philippines use automated systems already where all the key players such as applicants, clients and even events relating to the agency is monitored and stored in a system. AMPAPHIL wants to cope up with this technology to maintain competition with a lot of talent agencies today.

Deployment Schedule and Resources

The tentative deployment schedule can be within April 20 - May 8, 2015

Roles and Responsibilities

In the early stages of development, the team can be quite small, consisting of:

Project Manager - A person responsible for coordination of the group for ensuring progress.

Programmer / System Analyst - A group of individuals working to produce a working prototype.

Quality Assurance Team - A group of individuals that performs different kind of testing to produce a good quality system.

A successful team should be:

- Flexible to adapt changes
- Able to share knowledge in an open way with each other
- Avoid dominance by a single player in the project team
- Ensure the costs are limited
- Open to new challenging ideas
- Able to think "outside the box"
- Able to collaborate effectively

Training Requirements

The development team will provide a manual for the user to easily understand the following functionality of the system:

- **User authentication** - It consists of user account that the admin will log in to perform specific tasks or function.
- Registration of applicants
- Updating, viewing and deleting the existing records of applicant
- Adding new record of employee
- Updating, viewing and deleting the existing records of employee
- Adding new record of client
- Updating, viewing and deleting the existing records of client
- Adding new events
- Updating, viewing and deleting the existing records of events
- Adding new screening schedule
- Updating, viewing and deleting the existing records of screening schedule
- Approval of applicants
- Updating, viewing and deleting the existing records of applicant

Installation

Hardware Requirements:

CPU: Intel® Core™ i5-2430M / i3/ i7

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

Memory/Storage: 500GB

- The computer that will be used must have XAMPP
- The company must have a copy of the whole system and the database to run the system properly.
- The system must be placed under C://xampp/htdocs
- Import the database to phpmyadmin to access the database

Hosting

Artist Manager Placement Agency of the Philippines Inc. Booking and Management System is already hosted by our instructor, Mr. Eugenio "Joe Gene" Quesadas, and can be access by clicking the link:

http://gnuhealth.ioss.com.ph/softdev2015/it111/07%20ampaphil-bms_backend/

Future Sustainability

Support and Maintenance

Maintenance of the said system will also be done by the development team. There are many possible reasons to do software maintenance, and some of them were listed below:

Incorrect user authentication

- System slow down
- Admin cannot add additional record for any module
- Admin cannot update or delete the existing record
- Events cannot be viewed by the admin

Acceptance Plan

The following items describe the factors to gain the customers' acceptance for each deliverable. The acceptance plan has its review methods and reviewers to identify the acceptance test methods and verify that the certain deliverable met the requirements the acceptance standards.

Completion			Acceptance		
Milestone	Deliverable	Date	Review Method	Reviewers	Date
AMPAPhil Booking and Management System	Test Design Specifications	February 2015	<ul style="list-style-type: none">• Static Testing• Specification-based Testing• Visual Testing	<ul style="list-style-type: none">• Project Managers and Analysts• Quality Assurance Group/Testers	February 2015
	Test Plan Document	March 2015	<ul style="list-style-type: none">• Static Testing• Wiki Page Verification• Data accuracy review	<ul style="list-style-type: none">• Quality Assurance Group/ Testers• Project Manager and Analysts• Project Advisers	March 2015

Test Cases	March 2015	<ul style="list-style-type: none"> • Regression Testing • Static Testing • User acceptance Testing 	<ul style="list-style-type: none"> • Quality Assurance Group/Testers 	March 2015
Tools and their Outputs	March 2015	<ul style="list-style-type: none"> • System Testing • Installation Testing 	<ul style="list-style-type: none"> • Technical Group • Developer/s 	March 2015
Error Logs and Execution Logs	March – April 2015	<ul style="list-style-type: none"> • Regression Testing • Unit Testing • Software Performance Testing 	<ul style="list-style-type: none"> • Quality Assurance Group 	March – April 2015
Problem Reports and Corrective actions	April 2015	<ul style="list-style-type: none"> • Unit Testing • Acceptance Testing 	<ul style="list-style-type: none"> • Quality Assurance Group • Project Manager and Analysts 	April 2015
Frontend version of the system	April 2015	<ul style="list-style-type: none"> • Dynamic Testing 	<ul style="list-style-type: none"> • Quality Assurance Group 	April 2015
Backend version of the system	April 2015	<ul style="list-style-type: none"> • Dynamic Testing 	<ul style="list-style-type: none"> • Quality Assurance Group 	April 2015

Installation and Acceptance

The installation of the system can be in two ways:

1. Hosted (with an annual fee)
2. Localhost (dedicated terminal)

If the system will be hosted, it can be accessed whenever and where ever as long as there is an internet. The administrator can still monitor the system even if not inside the office.

Localhost, on the other hand, can be accessed only in a dedicated terminal. This terminal may be inside the office and can be for common use.

The Acceptance Configuration Plan

The following requirements should be met to fully say that the project has been successfully accomplished:

- It has a database where records of employees, applicants, screening schedules, talents, managers, clients and events can be stored.
- It can display all the records from the database in each module.
- It has a calendar display where all the events are posted.
- It has a user interface that can be easily understood and its navigation is not confusing.
- It has a login and logout functions including account restrictions.
- It can provide necessary information and guide about the system.

An Updated Acceptance Plan

This section will be updated once the system is deployed and used by the management.