CEBU INSTITUTE OF TECHNOLOGY UNIVERSITY
COLLEGE OF COMPUTER STUDIES

TRACKING SYSTEM AND REGISTRATION SYSTEM FOR INTERNATIONAL MARKETING GROUPS

Team Member:

Joseph Christopher Pimentel
Tiffany R. Ouano
Justin Empeño
Charie Raymundo
Rey Mart Abigan
Ivy Charmae Inogada

Adviser:

Mr. Mario Silvano

ABSTRACT:

The purpose of the systems is to track down every activity of the enrollees and the members of International Marketing Groups (IMG) for promotion notification and to create a user-friendly registration and membership system. The system will run in web browser. This Tracking and Registration System will be implemented at the International Marketing Group as client.

The Tracking and Registration System for IMG will allow the user to manage their accounts as an IMG member. IMG Web Team is using Fountain model process for the implementation of the project. Documents will be applied specify the phase of the implementation for the project.

Software Requirements Specifications

For

Tracking System and Registration System

for

International Marketing Group

Signature

Names	Position	Signature
Joseph Christopher Pimentel	Team Leader / Programmer	
Tiffany R. Ouano	Documentation Officer	
Justin Empeño	Documentation Officer	
Charie Raymundo	Documentation Officer	
Rey Mart Abigan	Test Engineer	
Ivy Charmae Inogada	Web Designer/ Programmer	

Table 1 – Member's Signature

Change History

VERSION	DATE	AUTHOR	CHANGES
1.0	July 12, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Preliminary Version (draft)

Table 2 – Change History version 1.0

VERSION	DATE	AUTHOR	CHANGES
1.1	September 15, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Secondary Version changes has been made to the following areas of the document 1. User interface (3.1.1) 2. Use case (3.2.1) 3. Software System Attributes (3.5)

Table 2.1 – Change History version 1.1

VERSION	DATE	AUTHOR	CHANGES
2.0	September 27, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Updated Version 1. User Interfaces (3.1.1)

Table 2.2 – Change History version 2.0

Preface

This document is the Software Requirements Specifications for the Tracking and Registration System for the International Marketing Group. It contains details relevant to the materialization of this software from the various steps involved. It will include information on the approach, techniques, and plans of the different steps involved in the completion of this project, ranging from various iterations and submission of deliverables until the said software is released. The document will address the work completed by Joseph Christopher Pimentel, Tiffany Ouano, Justin Empeño, Charie Raymundo, Ivy Charmae Inogada, and Rey Mart Abigan in concise language detailing the usages of the software. Our intended audience, is the International Marketing Group, with Ms. Ligemm Mae Del Castillo as our main client.

However, foreknowledge of certain computer systems and basic knowledge of computers is an asset to understanding the SRS.

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Introduction

1.1. Purpose

The purpose of this document is to present a detailed description of the Tracking and Registration System for International Group. SRS document is intended for both the client and the developers of the system and will be proposed to Mr. Mario Silvano for its approval.

1.2. Scope

The purpose of the systems is to track down every activity of the enrollees and the members of IMG for promotion notification and to create a user-friendly registration and membership system. The system will run in web browser.

1.3. Definitions, Acronyms and Abbreviations

ACRONYMS	***DEFINITIONS***
• IMG	- International Marketing Group
• SRS	- Software Requirements Specifications

1.4. References

- IEEE – *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.
- Pierre Bourque and Robert Dupuis, ed. (2004). *Guide to the Software Engineering Body of Knowledge – 2004 Version*. IEEE Computer Society. pp. 2–1. ISBN 0-7695-2330-7.
- Capers Jones (2010). *Software Engineering Best Practices – 2010 Version.* The McGraw-Hill Companies. pp. 437-485. ISBN 978-0-07-162161-8.
- George Stepanek (2005). *Software Project Secrets – 2005 Version*. Apress. pp. 1-43. ISBN 1-59059-550-5

1.5. Overview

The next sections of this document will introduce the user to the overall description of the system and its functional requirements specification. This will help the user to understand on how the system will work. This will also give the user concise view of the system in its entirety. The overall description of the system includes product perspective, product functions, user characteristics, constraints, assumptions and dependencies while specific requirements includes external interface requirements, functional requirements, performance requirements, design constrains, software system attributes and other requirements. And lastly, use cases are described in the functional requirements.

Overall Description

1.6. Product perspective

This Tracking and Registration System will be implemented at the International Marketing Group through the help of Ms. Ligemm Mae Del Castillo as our client.

1.7. Product functions

The Tracking and Registration System for IMG will allow the user to manage their accounts as an IMG member.

1.8. User characteristics

- The user must be a computer literate.

2.4. Constraints

The possible constraint of these systems is that it is only available in web browser application.

2.5. Assumptions and dependencies

To be able to access the systems, one must be a registered member of the IMG. The system or the website itself won't work without internet connection.

Specific Requirements

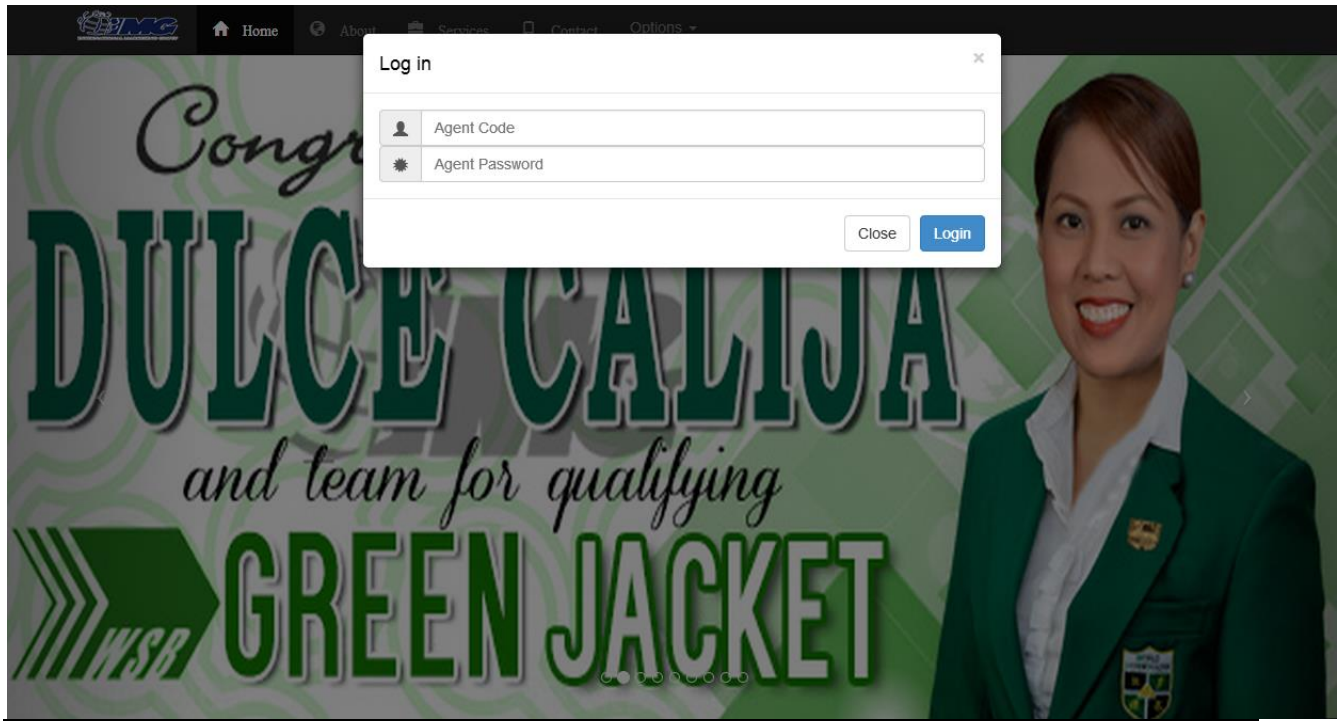
1.9. External interface requirements

3.1.1. User interfaces

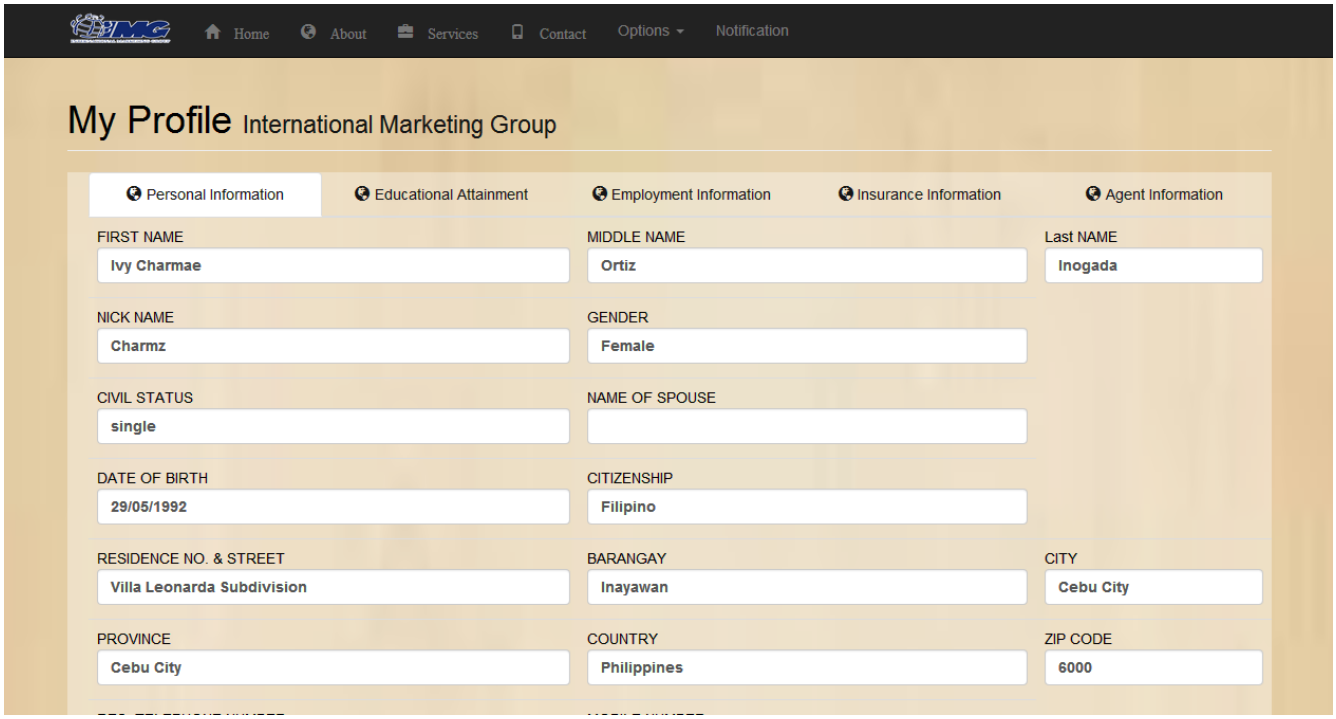
This subsection contains the requirements for **Tracking System and Registration System** of IMG (International Marketing Group). The Product must be understandable and user friendly to the end users.

- **Login** - The user must login to obtain access to a computer system or other restricted area.
- **Sign Up** – The user required to sign up the application for membership form to know their personal information.
- **Profile** – The user is able view and edit his/her profile information.
- **Network** – The user is able to view his/her uplink, team members and track his/her promotion.
- **Admin** - can approve and decline a pending user, can also edit the user's information and view all the users.
- **Notification**- User can be notified on his/her progresses that are needed for promotion

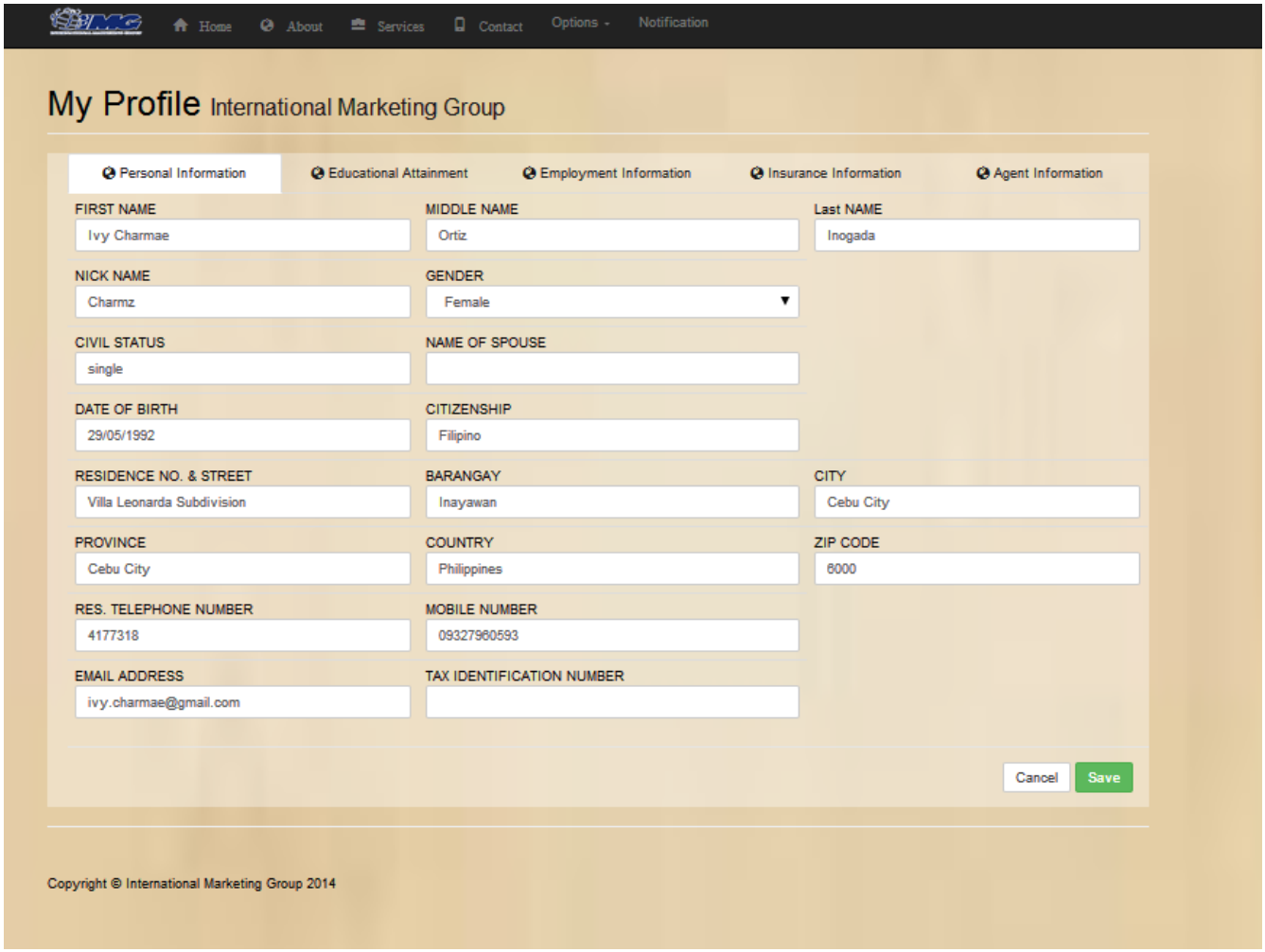
List figure 1 - Home



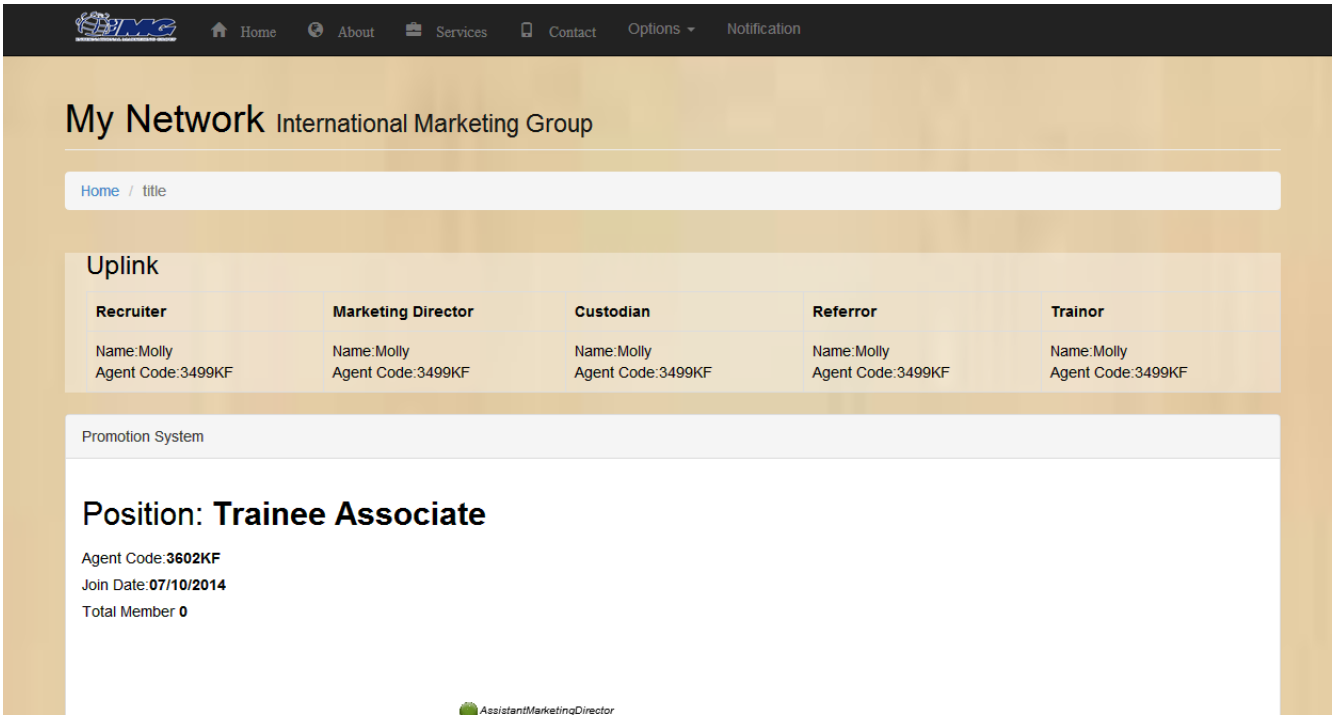
List figure 2 - Log-in User



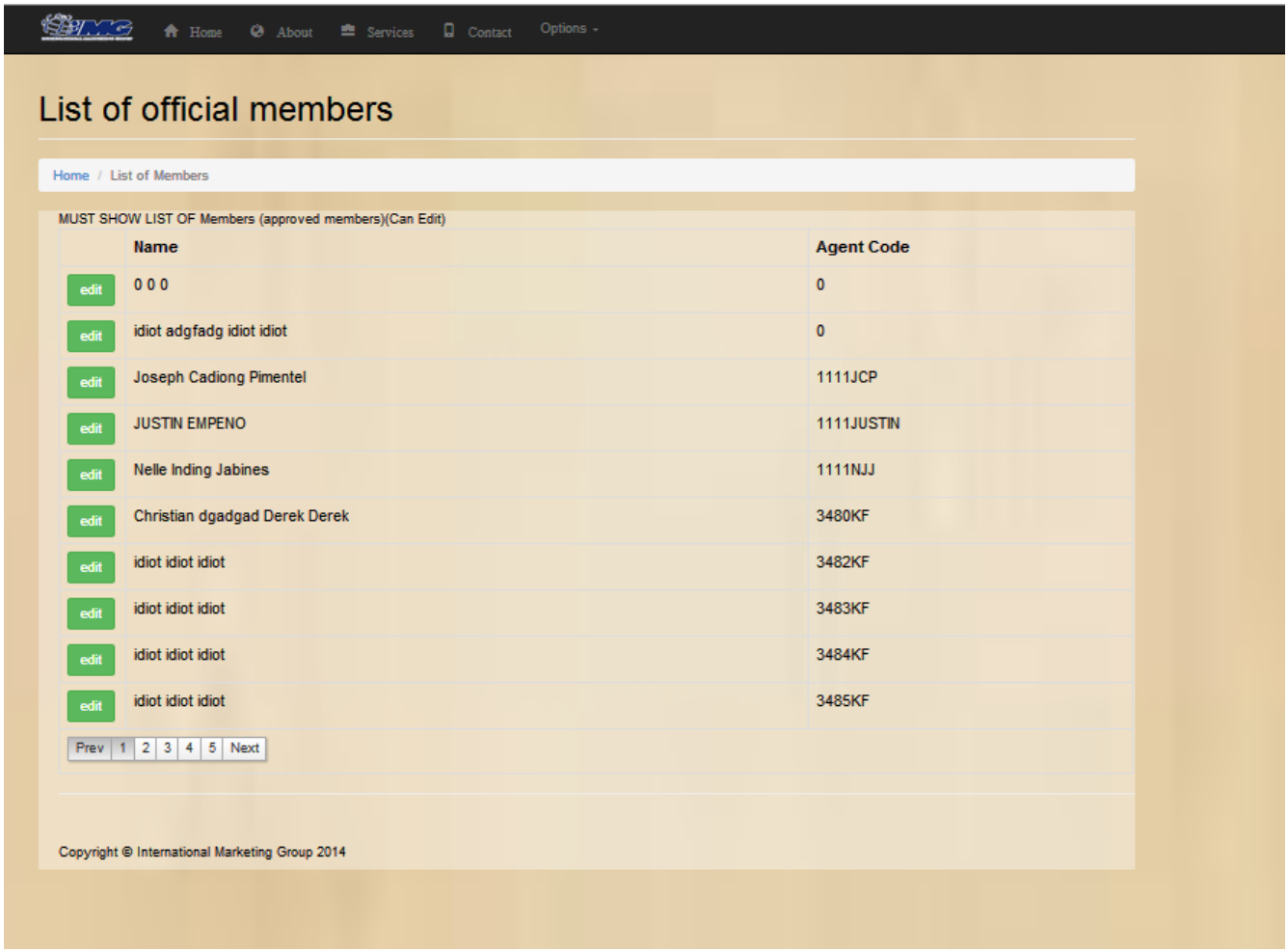
List Figure 3 – User Profile



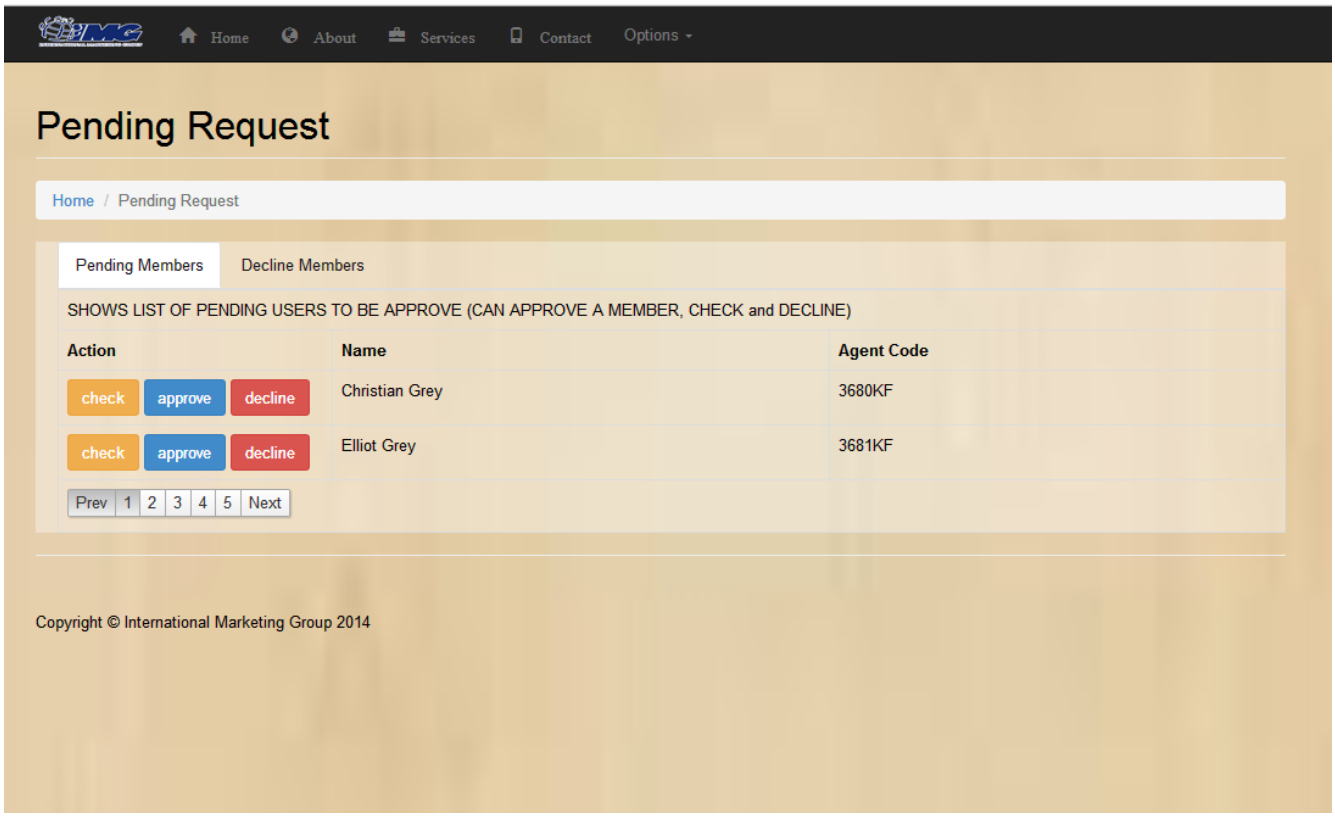
List Figure 4 – User Profile Edit



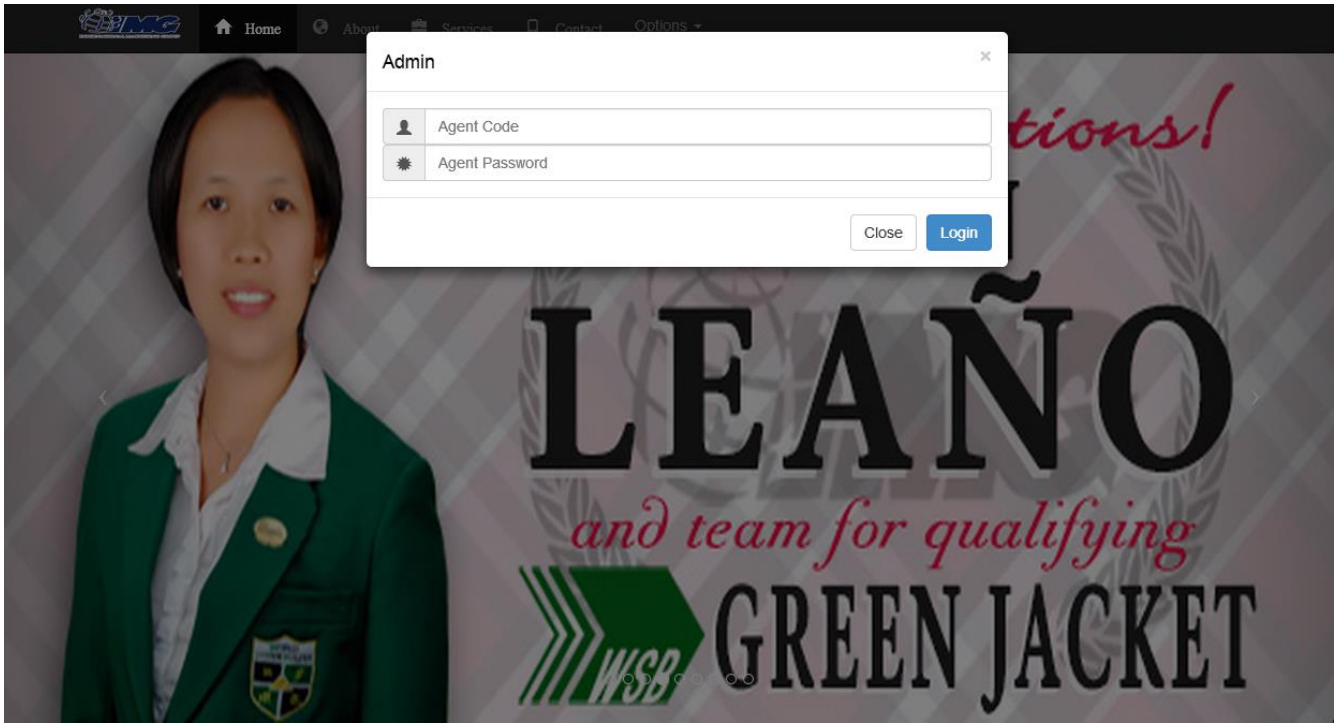
List Figure 5 – Network



List Figure 6 – List of Official Members



List Figure 7 – Pending Request



List Figure 8 – Log-in Admin

3.1.2. Hardware interfaces

Tracking System and Registration System for IMG (International Marketing Group) should be implemented in a hardware-independent fashion and should not rely on any particular hardware interfaces.

3.1.3. Software interfaces

The system is running through the internet using a browser to communicate on it.

Database - Holds the records of the user.

3.1.4. Communications interfaces

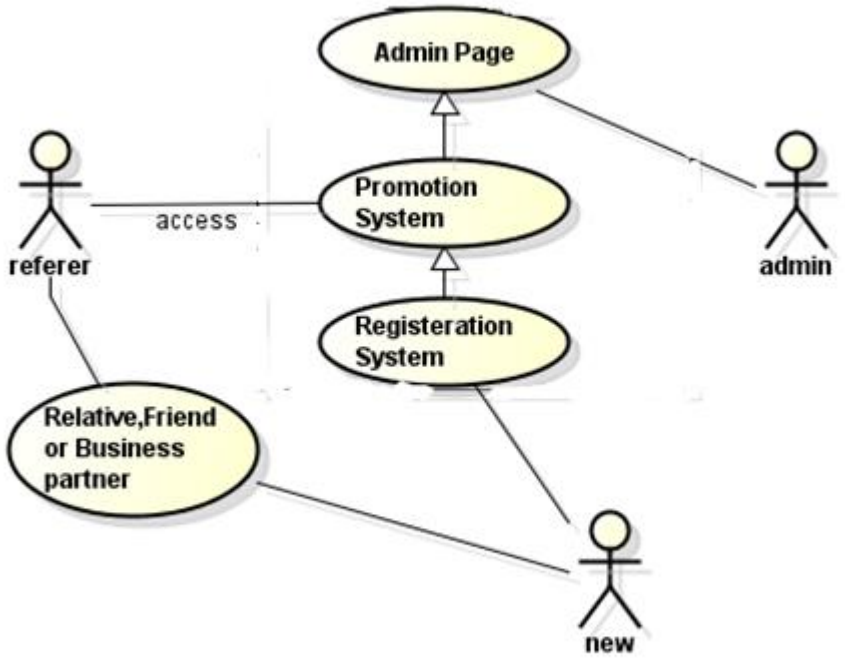
Communication interface is through internet.

1.10. Functional requirements

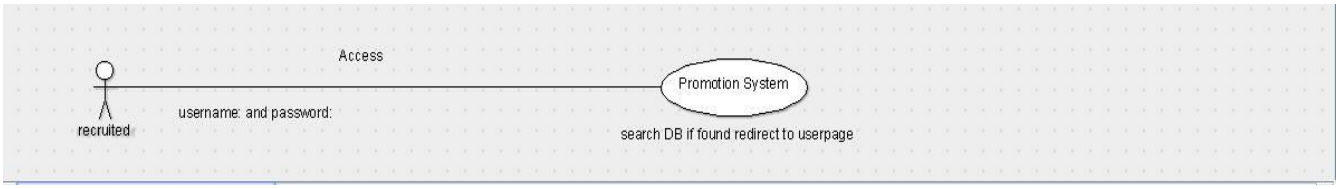
The functional requirements in this Software project is a functional website that can do the following listed below:

- Unregistered User :
    - Can register an unregistered member of IMG.
- Administrator
    - Admin must approve a newly registered member before the new user can log in with his/her account
    - Admin can decline members; declined members are not deleted for future use.
    - Admin can keep track on all the members in IMG.
    - Admin can edit information of a member.
    - Can move declined members back to pending.
- Registered User
    - View his/her Profile details
    - Can Edit his/her Profile details
    - Notification is implemented so that the user can be notified about his/her status
    - Can view his/her network; shows his/her current position, uplinks and downlinks and hierarchy tree.
    - Can approve their trainees to Trainee Qualified

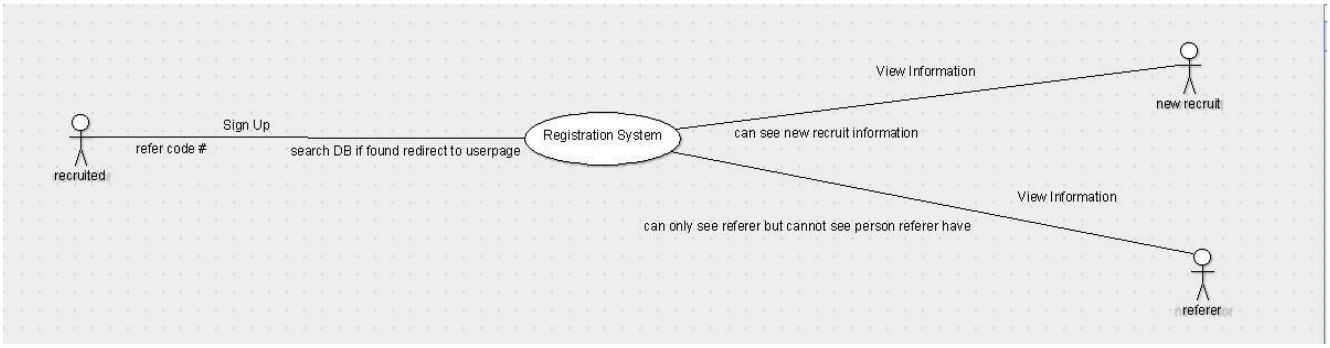
3.2.1. Use case 1



3.2.2. Use case 2



3.2.3. Use case 3



1.11. Performance Requirements

- Desktop computers, laptops
- Runs on Windows, Mac, Linux

3.4. Design constraints

- Web System Application only runs on computer that has internet
- The systems only runs on Windows Operating Systems

3.5. Software system attributes

- HTML
- Bootstrap
- Jquery
- Mysql
- Code Igniter Framework
- PHP
- Javascript
- CSS

3.6. Other requirements

Appendixes

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Software Project Management Plan

for

Tracking System and Registration System

for

International Marketing Group

Signature

Names	Position	Signature
Joseph Christopher Pimentel	Team Leader / Programmer	
Tiffany R. Ouano	Documentation Officer	
JustinEmpeño	Documentation Officer	
Charie Raymundo	Documentation Officer	
Rey Mart Abigan	Test Engineer	
Ivy CharmaeInogada	Web Designer/ Programmer	

Table 1 - Group Members / Signature

Change History

VERSION	DATE	AUTHOR	CHANGES
1.0	July 27, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Initial Version

Table 2 – Change History v. 1.0

VERSION	DATE	AUTHOR	CHANGES
1.1	September 15, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Revised Version

Table 2.1 – Change History v. 1.1

VERSION	DATE	AUTHOR	CHANGES
2.0	October 2, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Final Version

Table 2.2 – Change History v. 2.0

Preface

The following Software Project Management Plan (SPMP) describes the system made by our group, to fully accomplish our required units for the Software Project course.

The document will address the work completed by our group in concise language detailing the usages of the software. The intended audiences of the SPMP are users / financial advisers of IMG and as per request the end-user.

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2. Overview

2.1. Project Summary

1.1.1. Purpose, scope and objectives

Registration and Tracking System for International Marketing Group

This project concerns with implementing the topic Software Project Management Plan in to the Registration and Tracking System for International Marketing Group. It involves defining appropriate procedures to provide detailed guidance for preparing and updating of SPMPs based on standards and ensuring that these are followed, to develop a project plan where management is seen as everyone's responsibility and every important details about the said topic should be place into this matter for the better learning that may serve as benefit for the end-users to learn more.

The scope of this project is to develop a system specifically designed for International Marketing Group. To focus with serving this project with the best assurance of a good process and product quality of the tools or materials, we must create an effective ways for the users.

The objective of this system is to create a user-friendly interface for the IMG financial advisers. This is where the members of IMG interacts online. This project does NOT include the maintenance of the website but the object alone, if it is not effective enough.

The purpose of the software is to develop a functioning registration and a promotion tracking system website for IMG. This document is to show the overview of the said project on how the software will communicate to the end-users and how will it help the end-users at the same time.

The objective of the software is to develop a user-friendly interface to the IMG.

1.1.2. Assumptions and Constraints

The program does not require any approval except to our adviser. It is ready to be use at any time once it is being implemented. Changes will be made every now and then or for as long as it is needed. The project is available only in Online Web Browser (Google, Firefox, etc.) environment.

The project shall be finished before the 2nd week of October, the end of the 1st semester of the Software Project course.

1.1.3. Project deliverables

Registration and Tracking System for International Marketing Group

As part of the project, the Group will deliver the following documents and requirements to the client.

- Software Requirement Specification (SRS) document including use case maps, list of features within the scope of the project
- Software Project Management Plan document.
- Software Test Documentation document.
- Software Design Description document.
- Status report of the software or the Increments
- All other documents and requirements that the group might have generated that add value to the final deliverable.

1.1.4. Schedule and budget summary

Tracking and Registration Systems for IMG (International Marketing Group)

No further budget needed, resources and other requirements are attainable without spending any amount.

Milestone	Date (initiation / completion)
Written Proposal	June 28, 2014 (completion)
System Requirements Specifications	July 23, 2014 (completion)
Software Project Management Plan	August 4, 2014 (completion)
Software Design Document	August 9, 2014 (completion)
Software Test Document	August 16, 2014 (completion)
Increment 1 Increment 2 Increment 3 Increment 4	September 3, 2014 September 10, 2014 September 17, 2014 September 20, 2014
Software Output Presentation	October 2, 2014

Final Documents	October 8, 2014

Table 3 – Schedule

2.2. Evolution of plan

Version	Primary Author(s)	Description of Version	Date Expected
Draft	Ouano, Empeño	Initial draft created for distribution and review comments	June 28, 2014
Preliminary	IMG WEB TEAM	Second draft incorporating initial review comments, planning for the design of the software.	August 21 2014
Prerelease	IMG WEB TEAM	Third draft that is about to be released for the client to view, changes were made for the design.	August 23 2014
Final	IMG WEB TEAM	First complete draft, which is placed under change control	September 3, 2014

Version	Primary Author(s)	Description of Version	Date Expected
Revision	IMG WEB TEAM	Revised draft, revised according to the change control process and maintained under change control	October 8 2014

Table 4 – Evolution Plan

3. References

[1] HMC POI Inspection and Management System SPMP, 4WD, 2004

[2] IEEE Std 1058-1998 IEEE standard for software project management plans

[3] Karl E. Wiegers SOFTWARE REQUIREMENTS, 2003 Microsoft

Definitions

CIT-U	Cebu Institute of Technology - University
SDD	Software Design Description
SPMP	Software Project Management Plan
SRS	Software Requirements Plan
STD	Software Test Documentation
TBD	To be decided
IMG	International Marketing Group
DB	Database
GUI	Graphic User Interface

Project organization

5.1. External structure

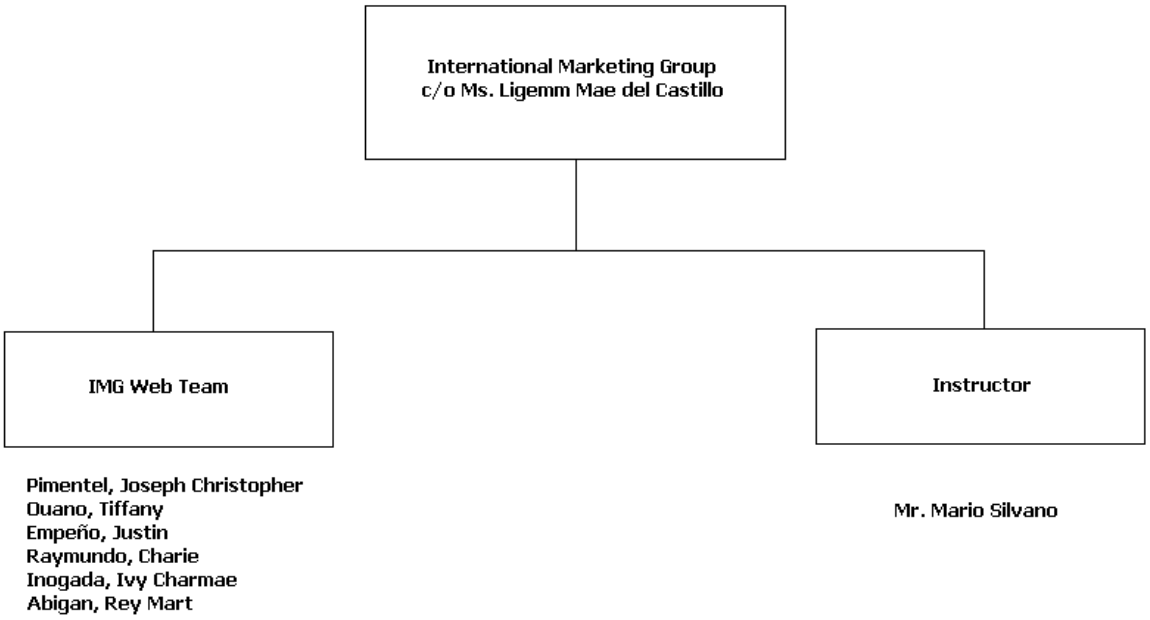

Figure 1 – External Structure

5.2. Internal structure

This software project is to be conducted by IMG Web Team using the technology, standards and procedures learned in the previous course, Software Engineering. The way the group applies what it learns will be checked and advised by the instructor of the course so that the group can produce the qualitative product following advanced processes and techniques learned in creating a high-quality based software.

4.3. Roles and responsibilities

This section describes the organization of the IMG Web Team as decided by the team during a continuous role definition exercise. It is important to note that this is not a comprehensive list of responsibilities. It is the outcome of an initial team role building session. This section will be updated as the project progresses.

Role	Responsibilities
Team Leader	- Software project planning and monitoring - Milestone and schedule planning and monitoring - Set and communicate the team meeting agendas - Keep reminders for the group
Tester	- Write and test codes and then rewrite and refine it if required. - Observe, test, diagnose and resolve the faults that occur in the software. - Analyzes the current system status then develops it towards the end of the project.
Documentation Officer	- The one in charge with the document reports. - Requirements specified.
Web Designer	- Plans and designs the templates and User Interface of the software
Programmer	- The one in charge with the program of the system

Table 5 - Responsibilities

Role	Person's Responsible
	June 2014 – October 2014
Team Leader	Pimentel, Joseph Christopher
Tester	Raymundo, Charie Abigan, Rey Mart
Documentation Officer	Empeño, Justin Ouano, Tiffany
Programmer	Pimentel, Joseph Christopher Inogada, Ivy Charmae
Web Designer	Inogada, Ivy Charmae

Table 5.1 - Roles

Managerial process plans

6.1. Start-up plan

6.1.1. Estimation plan

An estimation chart showing activities, estimated costs, durations, and resource requirements is included in Appendix A. This was created using Microsoft Project 2007.

6.1.2. Staffing plan

All 6 of the staff are full-time students in CIT-U who are at level 4 in the Bachelor of Science in Information Technology program. They also work full time in the project.

Name	Affiliation to the Project	2nd Semester 2014-2015
Pimentel, Joseph Christopher	CITU student / Team Member	Full Time
Ouano, Tiffany	CITU student / Team Member	Full Time
Empeño, Justin	CITU student / Team Member	Full Time
Abigan, Rey Mart	CITU student / Team Member	Full Time
Inogada, Ivy Charmae	CITU student / Team Member	Full Time
Raymundo, Charie	CITU student / Team Member	Full Time

Table 6 – Staffing Plan

5.1.3. Resource acquisition plan

Our group will have all access to the web templates, software, applications, graphics and all necessary tools available. The course instructor will facilitate the group in determining its support needs and in obtaining the needed tools facilities via the client.

5.1.4. Project staff training plan

No training for our group will be provided. The group members are already well-knowledgeable enough to their respective disciplines and each has already an experience in working with web development, and its associated phases. In addition, each members has

undergone many training including the several courses given to us with corresponding projects related to this matters, we have accommodated our limited experience in this area by recognizing the need for admins and for Financial advisers from the IMG which we had a good working relationship in the development of this project. Perhaps, the admins and Financial advisers whose services will acquire from companies, Etc. will fill our knowledge gap in this area.

6.2. *Work plan*

6.2.1. *Work activities*

From the beginning until now, the group is still working with the assigned topics/sub-topics in the system and eventually planning to finalize the output of it. The group is partially doing some checking through our instructor and yet to be approved. Afterwards, once approval will be made, the group will implement primarily the dynamic parts and yet organize everything in our project.

The following confirmed topics/sub-topics that has been made with or without approval is Software Project Management Plan. Everything was made from twenty-first of July until present.

28	Finalize SDD and designs	1 day	Thu 8/7/14	Thu 8/7/14	$800.00	Justin Empeño
29	Design complete	1 day	Fri 8/8/14	Fri 8/8/14	$1,600.00	Justin Empeño,Tiffany Ouano
30	Submit the SDD to Mr. Silvano	0 mins	Sat 8/9/14	Sat 8/9/14	$0.00	Charie Raymundo
31	**Integration / Implementation**	**20 days**	**Sat 8/23/14**	**Tue 9/16/14**	**$31,300.00**	
32	**First Incrementation**	**2 days**	**Sat 8/23/14**	**Mon 8/25/14**	**$3,200.00**	
33	All user interfaces	2 days	Sat 8/23/14	Mon 8/25/14	$3,200.00	Ivy Charmae Inogada,Joseph Christopher Pimentel
34	**Second Incrementation**	**5 days**	**Sat 8/30/14**	**Thu 9/4/14**	**$8,000.00**	
35	Database and other basic functionalities	5 days	Sat 8/30/14	Thu 9/4/14	$8,000.00	Ivy Charmae Inogada,Rey Mart Abigan
36	**Third Incrementation**	**8 days**	**Sat 9/6/14**	**Tue 9/16/14**	**$12,800.00**	
37	70% done with Functionalities	8 days	Sat 9/6/14	Tue 9/16/14	$12,800.00	Rey Mart Abigan,Joseph Christopher Pimentel
38	**Fourth Incrementation - other functionalities and contents needed**	**4.88 days**	**Mon 9/8/14**	**Fri 9/12/14**	**$7,300.00**	
39	80% done with Tracking and Registration Systems Functionalities	2 days	Mon 9/8/14	Tue 9/9/14	$1,600.00	Joseph Christopher Pimentel
40	Finishing functionalities and additional functions advised by client and adviser	2 days	Wed 9/10/14	Thu 9/11/14	$1,600.00	Ivy Charmae Inogada
41	Test module integration	8 hrs	Thu 9/11/14	Thu 9/11/14	$800.00	Joseph Christopher Pimentel
42	Identify anomalies to specifications	7 hrs	Fri 9/12/14	Fri 9/12/14	$1,400.00	Ivy Charmae Inogada,Joseph Christopher Pimentel
43	Modify code	5 hrs	Fri 9/12/14	Fri 9/12/14	$1,500.00	Ivy Charmae Inogada,Joseph Christopher Pimentel,Rey Mart Abigan
44	Re-test modified code	3 hrs	Fri 9/12/14	Fri 9/12/14	$300.00	Rey Mart Abigan
45	Integration testing complete	1 hr	Fri 9/12/14	Fri 9/12/14	$100.00	Rey Mart Abigan
46	**Deployment**	**7 days**	**Tue 9/16/14**	**Wed 9/24/14**	**$5,500.00**	
47	Determine final deployment strategy	2 days	Tue 9/16/14	Wed 9/17/14	$1,600.00	Joseph Christopher Pimentel
48	Develop deployment methodology	1 day	Thu 9/18/14	Thu 9/18/14	$800.00	Ivy Charmae Inogada
49	Secure deployment resources	8 hrs	Fri 9/19/14	Fri 9/19/14	$800.00	Rey Mart Abigan
50	Deploy software	1 day	Mon 9/22/14	Mon 9/22/14	$800.00	Joseph Christopher Pimentel
51	Deployment complete	5 hrs	Mon 9/22/14	Mon 9/22/14	$1,500.00	Joseph Christopher Pimentel,Ivy Charmae Inogada,Rey Mart Abigan
52	Defend Project to Client and Adviser	0 days	Wed 9/24/14	Wed 9/24/14	$0.00	Charie Raymundo,Ivy Charmae Inogada,Joseph Christopher Pimentel,Justin Empeño

22	**Design**	**13 days**	**Sat 7/26/14**	**Sat 8/9/14**	**$6,800.00**	
23	Plan and design using the wordpress, HTML, Javascript, Bootstrap, PHP,	1 hr	Sat 7/26/14	Sat 7/26/14	$200.00	Joseph Christopher Pimentel,Ivy Charmae Inogada
24	Develop functional user interfaces	5 hrs	Mon 7/28/14	Mon 7/28/14	$1,000.00	Joseph Christopher Pimentel,Rey Mart Abigan
25	Add additional functionalities	1 day	Thu 7/31/14	Thu 7/31/14	$1,600.00	Ivy Charmae Inogada,Joseph Christopher Pimentel
26	Start encoding the SDD	1 day	Sat 8/2/14	Sat 8/2/14	$800.00	Tiffany Ouano
27	Continuing encoding SDD	1 day	Wed 8/6/14	Wed 8/6/14	$800.00	Charie Raymundo
28	Finalize SDD and designs	1 day	Thu 8/7/14	Thu 8/7/14	$800.00	Justin Empeño
29	Design complete	1 day	Fri 8/8/14	Fri 8/8/14	$1,600.00	Justin Empeño,Tiffany Ouano

6.2.2. *Schedule allocation*

The project duration is constrained to only one semester; from the third week of July 2014 with final deliverables due on the 3rd week of September 2014 or extension days beyond October (if necessary). We will control our

schedule with main artifacts.

	Task Name	
		Joseph Christopher Pimentel
		Justin Empeño,Charie Raymundo,Joseph Christopher Pimentel,Rey Mart Abigan,Ivy Charmae Inogada,Tiffany Ouano
		Joseph Christopher Pimentel
		Tiffany Ouano,Joseph Christopher Pimentel,Rey Mart Abigan
		Tiffany Ouano
		Tiffany Ouano
		Justin Empeño
		Justin Empeño
		Justin Empeño
		7/23
		Joseph Christopher Pimentel,Ivy Charmae Inogada,Rey Mart Abigan
		Joseph Christopher Pimentel
		Charie Raymundo,Ivy Charmae Inogada,Joseph Christopher Pimentel,Rey Mart Abigan
		Tiffany Ouano
		Justin Empeño
29	Design complete	Justin Empeño,Tiffany Ouano
30	Submit the SDD to Mr. Silvano	8/9
31	**Integration / Implementation**	
32	**First Incrementation**	
33	All user interfaces	Ivy Charmae Inogada,Joseph Christopher Pimentel
34	**Second Incrementation**	
35	Database and other basic functionalities	Ivy Charmae Inogada,Rey Mart Abigan
36	**Third Incrementation**	
37	70% done with Functionalities	Rey Mart Abigan,Joseph Christopher Pimentel
38	**Fourth Incrementation - other functionalities and contents needed**	
39	80% done with Tracking and Registration Systems Functionalities	Joseph Christopher Pimentel
40	Finishing functionailities and additional functions advised by client and adviser	Ivy Charmae Inogada
41	Test module integration	Joseph Christopher Pimentel
42	Identify anomalies to specifications	Ivy Charmae Inogada,Joseph Christopher Pimentel
43	Modify code	Ivy Charmae Inogada,Joseph Christopher Pimentel,Rey Mart Abigan
44	Re-test modified code	Rey Mart Abigan
45	Integration testing complete	Rey Mart Abigan
46	**Deployment**	
47	Determine final deployment strategy	Joseph Christopher Pimentel
48	Develop deployment methodology	Ivy Charmae Inogada
49	Secure deployment resources	Rey Mart Abigan
50	Deploy software	Joseph Christopher Pimentel
51	Deployment complete	Joseph Christopher Pimentel,Ivy Charmae Inogada,Rey Mart Abigan
52	Defend Project to Client and Adviser	9/24

5.2.3. Resource allocation

As a student in the CIT-U, each team member has a fixed amount of time available for the project.

During July to October, each of us is expected to devote a time at least 3-5 hours daily to research and help in implement and develop the project, and respective tasks. This work includes time spent working on any laptop or desktop computer, document preparation and inspection, tool development whether individually or by group working with it.

	Task Name	Duration	Start	Finish	Cost
1	**Tracking System and Registration System - Gantt Chart**	**74 days**	**Sat 6/28/14**	**Wed 9/24/14**	**$59,500.00**
2	**Project Proposal**	**6.75 days**	**Sat 6/28/14**	**Sat 7/5/14**	**$3,800.00**
3	Identifying the project	2 hrs	Sat 6/28/14	Sat 6/28/14	$200.00
4	Brainstorming	3 hrs	Sat 6/28/14	Sat 6/28/14	$1,800.00
5	Making the project proposal	2 hrs	Sat 7/5/14	Sat 7/5/14	$200.00
6	Proposing the project to Ms. Ligemm Mae del Castillo	4 hrs	Sat 7/5/14	Sat 7/5/14	$1,600.00
7	**Software Requirement Specifications**	**10 days**	**Sat 7/12/14**	**Wed 7/23/14**	**$4,900.00**
8	Joint preparation of the SRS	3 hrs	Sat 7/12/14	Sat 7/12/14	$300.00
9	Start encoding SRS	3 days	Wed 7/16/14	Fri 7/18/14	$2,400.00
10	Making of Confirmation Letter	1 hr	Fri 7/18/14	Fri 7/18/14	$100.00
11	Inputing Use Case and adding some contents	2 days	Mon 7/21/14	Tue 7/22/14	$1,600.00
12	Finalize the SRS	5 hrs	Wed 7/23/14	Wed 7/23/14	$500.00
13	Submit the SRS	0 mins	Wed 7/23/14	Wed 7/23/14	$0.00
14	**Analysis**	**12 days**	**Mon 7/21/14**	**Sat 8/2/14**	**$7,200.00**
15	Conduct needs analysis	4 hrs	Mon 7/21/14	Mon 7/21/14	$1,200.00
16	Review software specification/budget	2 hrs	Mon 7/21/14	Mon 7/21/14	$200.00
17	Meet with the group for encoding SPMP and planning	1 day	Sat 7/26/14	Sat 7/26/14	$3,200.00
18	Continuing the SPMP and delegate task to each member	8 hrs	Mon 7/28/14	Mon 7/28/14	$800.00
19	Making of Gantt Chart	1 day	Wed 7/30/14	Wed 7/30/14	$800.00
20	Finalize the SPMP	5 hrs	Fri 8/1/14	Fri 8/1/14	$1,000.00
21	Submit the SPMP	0 mins	Sat 8/2/14	Sat 8/2/14	$0.00
22	**Design**	**13 days**	**Sat 7/26/14**	**Sat 8/9/14**	**$6,800.00**
23	Plan and design using the wordpress, HTML, Javascript, Bootstrap, PHP,	1 hr	Sat 7/26/14	Sat 7/26/14	$200.00
24	Develop functional user interfaces	5 hrs	Mon 7/28/14	Mon 7/28/14	$1,000.00
25	Add additional functionalities	1 day	Thu 7/31/14	Thu 7/31/14	$1,600.00
26	Start encoding the SDD	1 day	Sat 8/2/14	Sat 8/2/14	$800.00
27	Continuing encoding SDD	1 day	Wed 8/6/14	Wed 8/6/14	$800.00
28	Finalize SDD and designs	1 day	Thu 8/7/14	Thu 8/7/14	$800.00
29	Design complete	1 day	Fri 8/8/14	Fri 8/8/14	$1,600.00

29	Design complete	1 day	Fri 8/8/14	Fri 8/8/14	$1,600.00
30	Submit the SDD to Mr. Silvano	0 mins	Sat 8/9/14	Sat 8/9/14	$0.00
31	**Integration / Implementation**	**20 days**	**Sat 8/23/14**	**Tue 9/16/14**	**$31,300.00**
32	**First Incrementation**	**2 days**	**Sat 8/23/14**	**Mon 8/25/14**	**$3,200.00**
33	All user interfaces	2 days	Sat 8/23/14	Mon 8/25/14	$3,200.00
34	**Second Incrementation**	**5 days**	**Sat 8/30/14**	**Thu 9/4/14**	**$8,000.00**
35	Database and other basic functionalities	5 days	Sat 8/30/14	Thu 9/4/14	$8,000.00
36	**Third Incrementation**	**8 days**	**Sat 9/6/14**	**Tue 9/16/14**	**$12,800.00**
37	70% done with Functionalities	8 days	Sat 9/6/14	Tue 9/16/14	$12,800.00
38	**Fourth Incrementation - other functionalities and contents needed**	**4.88 days**	**Mon 9/8/14**	**Fri 9/12/14**	**$7,300.00**
39	80% done with Tracking and Registration Systems Functionalities	2 days	Mon 9/8/14	Tue 9/9/14	$1,600.00
40	Finishing functionailities and additional functions advised by client and adviser	2 days	Wed 9/10/14	Thu 9/11/14	$1,600.00
41	Test module integration	8 hrs	Thu 9/11/14	Thu 9/11/14	$800.00
42	Identify anomalies to specifications	7 hrs	Fri 9/12/14	Fri 9/12/14	$1,400.00
43	Modify code	5 hrs	Fri 9/12/14	Fri 9/12/14	$1,500.00
44	Re-test modified code	3 hrs	Fri 9/12/14	Fri 9/12/14	$300.00
45	Integration testing complete	1 hr	Fri 9/12/14	Fri 9/12/14	$100.00
46	**Deployment**	**7 days**	**Tue 9/16/14**	**Wed 9/24/14**	**$5,500.00**
47	Determine final deployment strategy	2 days	Tue 9/16/14	Wed 9/17/14	$1,600.00
48	Develop deployment methodology	1 day	Thu 9/18/14	Thu 9/18/14	$800.00
49	Secure deployment resources	8 hrs	Fri 9/19/14	Fri 9/19/14	$800.00
50	Deploy software	1 day	Mon 9/22/14	Mon 9/22/14	$800.00
51	Deployment complete	5 hrs	Mon 9/22/14	Mon 9/22/14	$1,500.00
52	Defend Project to Client and Adviser	0 days	Wed 9/24/14	Wed 9/24/14	$0.00

5.2.4. Budget allocation

[Table 5.2.5] Budget allocation

	Task Name	Cost
1	**Tracking System and Registration System - Gantt Chart**	**$59,500.00**
2	**Project Proposal**	**$3,800.00**
3	Identifying the project	$200.00
4	Brainstorming	$1,800.00
5	Making the project proposal	$200.00
6	Proposing the project to Ms. Ligemm Mae del Castillo	$1,600.00
7	**Software Requirement Specifications**	**$4,900.00**
8	Joint preparation of the SRS	$300.00
9	Start encoding SRS	$2,400.00
10	Making of Confirmation Letter	$100.00
11	Inputing Use Case and adding some contents	$1,600.00
12	Finalize the SRS	$500.00
13	Submit the SRS	$0.00
14	**Analysis**	**$7,200.00**
15	Conduct needs analysis	$1,200.00
16	Review software specification/budget	$200.00
17	Meet with the group for encoding SPMP and planning	$3,200.00
18	Continuing the SPMP and delegate task to each member	$800.00
19	Making of Gantt Chart	$800.00
20	Finalize the SPMP	$1,000.00
21	Submit the SPMP	$0.00
22	**Design**	**$6,800.00**
23	Plan and design using the wordpress, HTML, Javascript, Bootstrap, PHP,	$200.00
24	Develop functional user interfaces	$1,000.00
25	Add additional functionalities	$1,600.00
26	Start encoding the SDD	$800.00
27	Continuing encoding SDD	$800.00
28	Finalize SDD and designs	$800.00
29	Design complete	$1,600.00

30	Submit the SDD to Mr. Silvano	$0.00
31	**Integration / Implementation**	**$31,300.00**
32	**First Incrementation**	**$3,200.00**
33	All user interfaces	$3,200.00
34	**Second Incrementation**	**$8,000.00**
35	Database and other basic functionalities	$8,000.00
36	**Third Incrementation**	**$12,800.00**
37	70% done with Functionalities	$12,800.00
38	**Fourth Incrementation - other functionalities and contents needed**	**$7,300.00**
39	80% done with Tracking and Registration Systems Functionalities	$1,600.00
40	Finishing functionailities and additional functions advised by client and adviser	$1,600.00
41	Test module integration	$800.00
42	Identify anomalies to specifications	$1,400.00
43	Modify code	$1,500.00
44	Re-test modified code	$300.00
45	Integration testing complete	$100.00
46	**Deployment**	**$5,500.00**
47	Determine final deployment strategy	$1,600.00
48	Develop deployment methodology	$800.00
49	Secure deployment resources	$800.00
50	Deploy software	$800.00
51	Deployment complete	$1,500.00
52	Defend Project to Client and Adviser	$0.00

5.3. Control plan

5.3.1. Requirements control plan

This section will specify the metrics, reporting mechanisms, and control procedures necessary to measure, report, and control the product requirements, the project schedule and resources, and the quality of the work processes and work products. All elements of the control plan will be consistent with the CIT-U program's standards, policies and the procedures for project control learned in the CIT-U core courses.

5.3.2. Schedule control plan

The team adviser will maintain the schedule in a project document. The group members themselves will be responsible for gathering the individual tasks for each of them and making the status report. The adviser himself will only give a certain timeframe, check project updates, and advice time management as long as the members will meet the deadline. If the work scheduled gets behind, the team will spend an extra time on the project to make sure that there will be no major delays and inaccuracies occurring in the project.

5.3.3. Budget control plan

This project has no plan on budget control yet. If the project needs substantial amount, the team will spend extra money to deliver the project.

5.3.4. Quality control plan

The adviser or facilitator represents already as the quality manager. From this document, checklists and other evaluation measures will be determined necessary or otherwise.

Weekly meeting and reviews at the end of each phase will be the main mechanism that the team will use to control the quality of the work process and the resulting work.

In addition, the team adviser will monitor quality control throughout the project by the mentoring. Each group member is also assigned an individual facilitator who will meet with the student on a regular basis to review individual and group progress and to address any managerial or technical issues or questions. The facilitator is encouraged to review the group's work products and to ask questions to determine the health and progress of the project.

5.3.5. Reporting plan

General Reporting

The team will use a set of applications and methods available from the CIT-U program to communicate to the client, facilitator/instructor, and advisors of the status requirements, schedules, quality, and other desired or required status metrics for the team project.

Internal Reporting

Team members will submit individual partially an assigned document presentation or report every scheduled day courtesy by the instructor. The instructor will consolidate all files and make one status report but only depends with the Center's standards. Each group members will have a regularly scheduled one-on-one meeting with the group instructor to discuss regarding the assigned tasks and any issues in greater detail. At the regular group lead meetings, team lead will report the instructor or facilitator regarding the group project's current progress, unresolved issues, and need for assistance.

External Reporting

Status and Progress reports will be sent to the client every weekend.

5.3.6. Metrics collection plan

Each group member will cooperate and submit their respective parts of the document presentation every scheduled due dates about as well as the developer's individual progress and productivity. Each group members will also report on tasks assigned, tasks done or not done, problems, hours planned, actual hours, and future plans at every status meeting with the adviser. The adviser will consolidate the data and will analyze the efforts spent per developer for the whole time doing their project.

5.3.7 Risk management plan

The team lead will generate a separate Risk Management Plan document at any necessary means. Risk will be identified at the beginning of each phase and the team lead will assemble them into a prioritized risks list. That list will be published on the group's project management website. During the weekly status meeting, the team members will raise risks and reassess the prioritized risks and if necessary, revise the list. The team will use "Risk Statement." Team members will determine the mitigation plans for all identified risks and tasks that need to be completed and then these risks and tasks will be assigned as action items. The team will monitor high priority risks every week. All risks will be documented by the group.

5.3.8 Project closeout plan

IMG Web Team will ensure the proper closeout of the project in late October 2014. And all the documents will also be submitted in the said date or later.

6. Technical process plans

6.1 Process Model

IMG Web Team is using Fountain model process for the implementation of the project. Documents will be applied specify the phase of the implementation for the project. When changes or improvements are asked to be done the documentation team will also update or review the documents that were done while the testing group would also adapt to the changes done. By using the fountain model it recognizes that some stages during implementation of the system can't be started before the others – such as designing was done first before the functions can be implemented and then be tested, but by using the fountain model we are able to fall back to the steps that we have implemented earlier and review the changes that was needed.

6.2 Methods, tools, and techniques

The methods and techniques listed in this table will be evaluated and applied in specific areas of the project as appropriate:

Category	Methods and Techniques
Formal Specification and Analysis	- Use cases to define requirements that should be place in SRS document
Document presentation report	- Weekly partial document report for revisions of documents for completion.
Estimation	- Function Point method for conversion from Function Point count to effort may be used for size estimation and project scope definition.

Table 7 – Methods, Tools, Techniques

Category	Tools
Operating System	Windows, Linux, Vista, MAC OS
Development languages	JavaScript, HTML, PHP, Bootstrap, Code Igniter, CSS, Jquery
Document	All documents will be written in Microsoft Word
Graphics / Design Application	Adobe Photoshop CS6
Web browsers	Internet Explorer, Google Chrome, Mozilla Firefox, Safari, Maxthon Cloud and etc.

Table 7.1 – Methods, Tools, Techniques

6.3 Infrastructure Plan

Individual semi-home based programming setups will be used by the team. Their varying schedules do not allow the most of freedom for a common development area. Files will be uploaded to a Facebook group common to the team where they will be able to review and compare codes. All hardware is of their personal ownership as only a laptop/desktop unit and a mobile phone are required.

6.4 Product Acceptance Plan

The product's specifications and additional details will be made beforehand [the development] and will be final, although additional features may most likely be implemented in the near future, involving a different team. The customer will receive the program in a operational state on the deadline, before the 3nd week of October.

7. Supporting process plans

7.1. Configuration management plan

IMG Web Team Course's Instructor is part and responsible of a separate document and it will be maintained.

7.2. Verification and validation plan

Several tasks collectively make up continuing activities that go across the different life cycle phases. These general activities are traceability analysis, evaluation, interface analysis, and testing. These activities are horizontal threads that tie together the subsequent phase activities and allow verification to be more effectively conducted.

Traceability analysis

The traceability is the ability to identify the relationships between originating requirements and their resulting system features. It permits tracking forward or backward through the network of interrelationships that are created as requirements are decomposed and refined through a system's life cycle. Traceability allows verification of the properties set forth in the concept and that requirement specifications have been carried forward to the design specification, implemented in the code, included in the test plan and cases, and provided to the customer and user in the resulting system.

Evaluation

Evaluation ascertains the value or worth of an item and help to assure that a system meets its specifications. Evaluations are performed by many persons across all life cycle phases, on both interim and final software products, and may be either a comprehensive or selective assessment of a system. Evaluations are used through all phases and for all type of software products, including user documents, manuals, and other project documents. These may be of many forms, such as text or graphic representations, and in various media, such as paper, magnetic tape, diskette, and computer files. This range of product types and forms requires a large variety of techniques for performing and managing software evaluations.

Interface analysis

When information is passed across a boundary, there is always the possibility of losing some information or alerting the information content. The task of interface analysis serves to ensure the completeness, accuracy, and consistency of these interfaces. Interface requirements at the design and implementation phases should be identified analyzed at the functional, physical, and data interface level. The goal of interface analysis is to evaluate the specific software deliverables (e.g., requirements, design, code) for correct, consistent, complete, and accurate interpretation of the interface requirements.

Testing

In the context of software verification and validation, testing can be defined as the testing that is performed in support of the V&V objectives. These objectives may differ from those of the developer. Testing is performed at several points in the life cycle, starting from the requirement phase up to the test phase. The various test activities are listed below:

Component Testing

Testing conducted to verify the implementation of the design for one software elements or a collection of software elements

Integrating Testing

An orderly progression of testing in which software elements, hardware elements, or both are combined and tested until the entire system has been integrated.

System Testing

The process of testing an integrated hardware and software system to verify that the system meets its specified requirements

Acceptance Test

Formal testing conducted to determine whether or not a system satisfies its acceptance criteria and to enable the customer to determine whether or not to accept the system

This section explains out V&V plan for each phase of software development.

Phase	V&V Input	V&V Tasks	V&V Output
Requirements	SRS Interface requirements documentation User documentation	Requirements traceability analysis Requirements evaluation Requirements interface analysis Test plan generation	Requirements phase tasks reporting Test plan : System - Acceptance
Design	SRS Interface requirements documentation Interface design documentation User documentation	Design traceability analysis Design evaluation Interface analysis Test plan generation Test design generation	Design phase task reporting Test plan Component Integration Test design Component Integration System acceptance

Implementation	Source Code listing Executable code Interface design documentation User documentation	Code traceability analysis Code evaluation Interface analysis Documentation evaluation Test case generation Test procedure generation Component test execution	Implementation phase task reporting Test cases Component Integration System Acceptance Test procedure Component Integration - System
Test	Source code listing Executable code User documentation	Test procedure generation Integration test execution System test execution Acceptance test execution	Test phase task reporting Test procedure Acceptance Anomaly report V&V phase summary
Installation and Checkout	Installation package	Installation configuration audit V&V final report generation	Installation and checkout phase task reporting

Table 8 - Verification and validation plan

7.3. Documentation plan

There are a number of documents that will be produced during the lifetime of the project. All documents are responsibility of the project team members. The lists of documents that will be created and maintained under version control include:

Project Proposal

Software Requirements Specification (SRS) – defines the functionality that is required by the client.

Software Project Management Plan (SPMP) – defines the project management plan.

Software Test Documentation (STD) – defines the testing of the project on documentation.

Software Design Description (SDD) – defines the project design description.

Status Report

Use Case Diagram

Use Case Description

7.4. Quality assurance plan

The IMG Web Team project will be assured to fulfill the commitment to the software process and the software product as specified in the requirement specification by the documents made for the project. The project is also a subproject for IMG, therefore there are certain standards that needs to be followed.

7.5. Reviews and audits

The SPMP specifies the plan, schedule and methods to be used in conducting the project reviews and audits. So far, the only products that were created are documents and the initiation of the project. It is expected that in the future the details about the review and audits will be maintained within the team's QA Plan. And most of the reviews will be provided at the final stage of this project.

7.6. Problem resolution plan

All the problems encountered will be noted in order to further improve the project. There will be a series of test taken in order to thoroughly check the software. Evaluate and retest all the information and data gathered for the quality and stability of the software.

7.7. Subcontractor management plan

This section will be omitted to give the client [IMG] full control whether a subcontract will be done or should there be a need to acquire one.

7.8. Process improvement plan

Process improvement will be done as a part of the final project evaluation and "lessons learned" phase. At that time the process improvement plan will be created and will be implemented.

8.0 Additional Plans

Up to this date, there may be an online update control board plan which involves the acquisition and hand-over of the role of updating application content per semester to keep content accurate and up to date.

9. Plan Annexes

10. Index

Software Design Description

For

Tracking System and Registration System
for
International Marketing Group

Signature

Names	Position	Signature
Joseph Christopher Pimentel	Team Leader / Programmer	
Tiffany R. Ouano	Documentation Officer	
Justin Empeño	Documentation Officer	
Charie Raymundo	Documentation Officer	
Rey Mart Abigan	Test Engineer	
Ivy Charmae Inogada	Web Designer/ Programmer	

Table 1 – Members

Change History

VERSION	DATE	AUTHOR	CHANGES
1.0	August 9, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Initial Version

Table 2 – Change History v.1.0

VERSION	DATE	AUTHOR	CHANGES
1.1	September 16, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Revised Version

Table 2.1 – Change History v.1.1

VERSION	DATE	AUTHOR	CHANGES
2. 0	September 27, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Final Version

Table 2.2 – Change History v. 2.0

Preface

This is the software design description (SDD) document for the Registration and Tracking System for International Marketing Group. In particular, this document will provide the design details for this system and will address the work made by our group in proficient English language explaining the functions of the system. The document will address the work completed by Joseph Christopher Pimentel, Tiffany Ouano, Justin Empeño, Ivy Charmae Inogada, Charie Raymundo and Rey Mart Abigan in concise language detailing the design of the software. The main aim of this project is to create a fully functioning Registration System for IMG, accurate and data efficient. The intended audience of the SDD are users, system administrators and as per request the client. Also, any future maintenance staff should be aware of the information contained herein. However, foreknowledge of certain computer systems and basic knowledge of computers is an asset to understanding the SDD.

The following Software Design Description (SDD) describes the proposed plan to be taken by our group, IMG Web Team.

The purpose of this project is to assemble under one cover a sufficient body of knowledge about managing a successful software project. This SDD is intended to be used by the CIT-U executive committee for the purpose of evaluating the groups' contribution on the project for implementing the design of the said project.

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7. Introduction

7.1. Purpose

The purpose of this document is to present detailed design description of the Registration and Tracking System for International Marketing Group. It will explain the purpose, scope and user interface of the project.

7.2. Scope

This document contains a complete description of Registration System and Tracking System for International Marketing Group. This section of this report decomposes each use-case into its data flow processes by examining its diagrams. This document uses the names of the use cases in the SRS document as the names of the features in this document. This section includes the description of the intended design to meet requirements.

7.3. Definitions and Acronyms

- **SDD** - Software Design Description is a document where the UI or the design of the project is defined.
- **SRS** - Software Requirement Specification is a document where the scope and the purpose of the project are defined.
- **UI** - User Interface or the external part of the project. This is where the user can enter their name.
- **IMG** - International Marketing Group
- **GUI** - Graphical User Interface
- **CCS -** College of Computer Studies
- **PHP** - Hypertext Preprocessor

8. References

- IEEE 12207.2-1997 Industry Implementation of International Standard ISO/IEC 12207: 1995 (ISO/IEC 12207)Standard for Information Technology - Software Life Cycle Processes - Implementation Considerations
- IEEE Std. 1016-1998 IEEE Recommended Practice for Software Design Descriptions
- Software Requirements Specification of Bizjobfinder Network Classified E-commerce
- Software Project Management Plan of Bizjobfinder Network Classified E-commerce
- ASTM E1340-96, Standard Guide for Rapid Prototyping of Computerized Systems.
- IEEE Std 610.12-1990, IEEE Standard Glossary of Software Engineering Terminology.
- IEEE Std 730-1998, IEEE Standard for Software Quality Assurance Plans.
- IEEE Std 730.1-1995, IEEE Guide for Software Quality Assurance Planning.
- IEEE Std 828-1998, IEEE Standard for Software ConÞguration Management Plans.
- IEEE Std 982.1-1988, IEEE Standard Dictionary of Measures to Produce Reliable Software.
- IEEE Std 982.2-1988, IEEE Guide for the Use of IEEE Standard Dictionary of Measures to Produce Reliable Software.
- IEEE Std 1002-1987 (Reaff 1992), IEEE Standard Taxonomy for Software Engineering Standards.
- IEEE Std 1012-1998, IEEE Standard for Software Verifcation and Validation.
- IEEE Std 1012a-1998, IEEE Standard for Software Verifcation and Validation: Content Map to IEEE/EIA 12207.1-1997.
- IEEE Std 1016-1998, IEEE Recommended Practice for Software Design Descriptions.
- IEEE Std 1028-1997, IEEE Standard for Software Reviews.
- IEEE Std 1042-1987 (Reaff 1993), IEEE Guide to Software Configuration Management.
- IEEE P1058/D2.1, Draft Standard for Software Project Management Plans, dated 5 August 1998.
- IEEE Std 1058a-1998, IEEE Standard for Software Project Management Plans: Content Map to IEEE/EIA 12207.1-1997.
- IEEE Std 1074-1997, IEEE Standard for Developing Software Life Cycle Processes.
- IEEE Std 1233, 1998 Edition, IEEE Guide for Developing System Requirements Specifications.

9. Decomposition Description

9.1. Module Decomposition

9.1.1. Module 1 Description

The super user / administrator GUI allows the administrator to add, update.

Identification	Administrator
Type	Module
Purpose	To allow the Administrator to perform major functions such as: adding or editing.

Table 5 - Module 1 Decomposition

9.2. Concurrent Process Decomposition

9.2.1. Database Process Description

Identification: Login Data Process
Type: Scripting File
Purpose: So that user can login into the system and can view his/her profile; see down line and up line, current position
Function: As long the system will accompany the process
Subordinates: none

9.2.2. Server Process Description

Identification: Profile Creation Process
Purpose: To create a profile for user so that he/she can be part of IMG company and will be auto generated by agent code.
Function: Member signup
Lifetime: As long as the registration form meets the required information.
Subordinates: none
Type: Scripting File

9.3. Data Decomposition

9.3.1. Administrator Entity Description

Admin can only approve user, edit or update data but can never delete any records.

admin - username - string - unlimited

password - string – unlimited

9.3.2. User Entity Description

agent_code string – 55

password - string -55

10. Dependency Description

10.1. Inter-module Dependencies

Administrator Module: The administrator can update, view and approve use of the system if ever end user wants to but cannot delete user records from database.

10.2. Inter-process Dependencies

4.2.1. Login data process: requires user to view current profile and edit them; see upline and downline; see current position and notification.

4.2.2. Profile Creation Process: will create a user profile and generate an agent code for the user so that it can login, but mostly, user must wait for the admin's approval.

4.2.3. Credits Data Process: will be added if current user has recruited a new member.

10.3. Data Dependencies

Agent_code will be used in every process. it will be unique to be able to link to its upline or downline without any duplicates.

11. Interface Description

This part of the Software Design Description (SDD) is where the Graphical User Interface is documented.

11.1. Module Interface

11.1.1. Administrator Module Description

Identification	Administrator
Type	Textbox
Description	This will display all the functions that the Administrator can use.
Function/s	AdminLogin(),AdminHome(),AdminAbout(),AdminServices(),AdminContact(),AdminLOM(),AdminLOM_edit(), AdminLOM_save(), AdminPending(),function AdminPending_check(), AdminPending_decline(), AdminPending_approve(), AdminLogout(),AdminDecline_pending()

5.1.1 Administrator Module Description

11.1.2. User/Agent Module Description

Identification	User / Agent
Type	Textbox
Description	This will display all the functions that the User/ Agent can use.
Function/s	function__construct(),UserHome(),UserAbout(),UserServices(),UserContact(),UserProfile(),UserProfileEdit(),user_save(),notification(),check_fl(),check_amd(), check_md(),user_network_downlink_recruiter()

5.1.2 User/ Agent Module Description

11.1.3. User/Agent Module Description

Identification	Unregistered member / Public user view
Type	Textbox
Description	This will display all the functions that the unregistered User/ Agent can use.
Function/s	function__construct(),index(),about(),services(),contact(),signup(),usernetwork(),userprofile()

5.1.3 Unregistered User/ Agent Module Description

11.2. Process Interface

11.2.1. Display Menu

Figure 5.2.1.1 Display Menu

This figure above shows the process interface when the User/Member of the IMG browse the

systems application, thereby automatically display the Login and Signup to be clicked by the user/member.

11.2.2. View Application Form for Membership

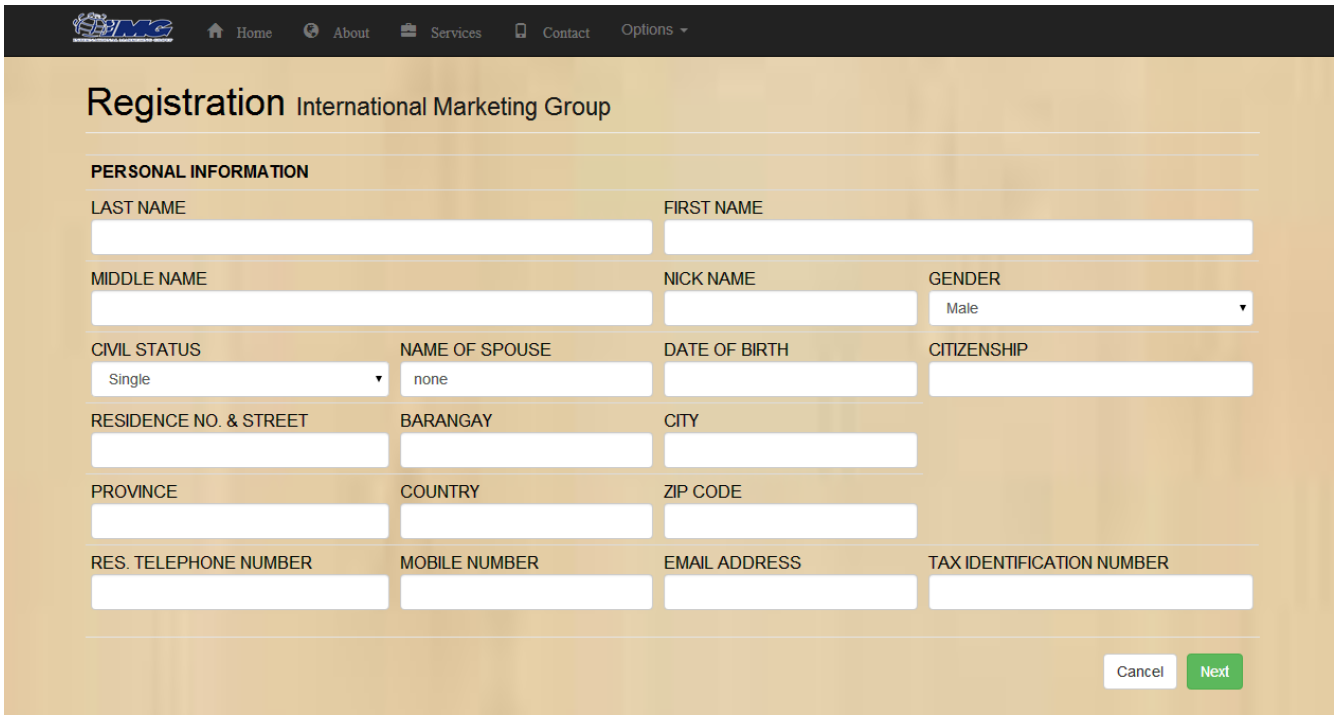


Figure 5.2.2.1 View Application by Agent Description

This figure above shows the process interface when the Agent clicks the Signup button of the system and it will give the application for membership with IMG.

11.2.3. View Login

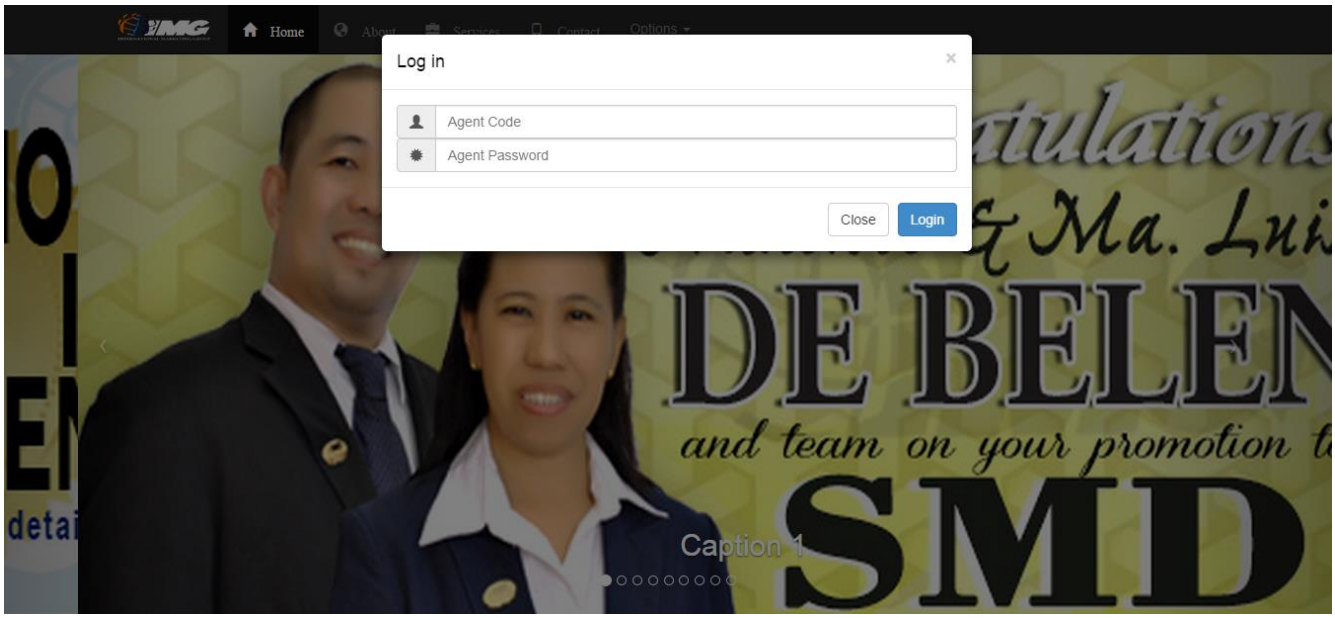


Figure 5.2.3.1 Enter Login by Agent Description

This figure above shows the functions of Login where the agent must Sign up the application, then they can login in the system using their password. Once they enter the IMG, they can view the content inside the system.

12. Detailed Design

12.1. Module Detailed Design

12.1.1. Administrator Module Detail

Attribute	Type	Purpose
Username	String	Use to identify the administrator who administers.
Password	String	Use to identify if the administrator is authorized.

Table 6.1.1 Administrator Module Detail

12.1.2. User Module Detail

Attribute	Type	Purpose
Agent Code	String(numbers & letters)	Use to find and identify the agent information and downlink and uplink this is auto generated in the registration.
Password	String	Use to identify if the agent exist.
ID	mediumint	Another unique ID that is used in the database for number of users purposes
First_ Name	String	First name of the user, Used in registration for personal information.

Middle_name	String	Middle name of the user. Used in registration for personal information
last_name	String	last name of the user. Used in registration for personal information
Nick_name	String	nick name of the user. Used in registration for personal information
gender	String	gender of the user. Used in registration for personal information
Civil_status	String	Civil status of the user. Used in registration for personal information
Name_of_spouse	String	Name of spouse of the user. Can remain empty if its not applicable. Used in registration for personal information
Date_of_birth	String	Date of birth of the user. Used in registration for personal information
citizenship	String	citizenship of the user. Used in registration for personal information

Residence_no	String	Residence number of the user. Used in registration for personal information
barangay	String	Barangay address of the user. Used in registration for personal information
city	String	City address of the user. Used in registration for personal information
province	String	Province address of the user. Used in registration for personal information
country	String	Country of the user. Used in registration for personal information
Zip_code	String	Zip code of the city of the user. Used in registration for personal information
telephone	String	Telephone number of the user. Used in registration for personal information
mobile	String	mobile of the user. Used in registration for personal information
Email_address	String	Existing email address of the user. Used in registration for personal information

Tax_identification_numberer	String	TIN of the user. Used in registration for personal information
Elementary_name	String	Elementary School of the user. Used in registration for personal information
Elementary_start	String	The year when the user started in elementary. Used in registration for personal information
Elementary_end	String	The year the user graduated in elementary. Used in registration for personal information
Highschool_name	String	Name of the Highschool the user attended. Used in registration for personal information
Highschool_start	String	The year the user started in highschool. Used in registration for personal information
Highschool_end	String	The year the user graduated in highschool. Used in registration for personal information
College_name	String	Name of the college the user attended. Used in registration for personal information
College_course	String	The course the user took up in college. Used in registration for personal information

College_start	String	The year the user started in college. Used in registration for personal information
College_end	String	The year the user graduated in college. Used in registration for personal information
Employment_employer	String	Name of the company or Employer. Used in registration for personal information
employment_address	String	Employer address . Used in registration for personal information
employment_position	String	Position of the employer . Used in registration for personal information
employment_telephone	String	Phone number of the employer . Used in registration for personal information
employment_facsmile	String	Employer facsmile . Used in registration for personal information
employment_email	String	Employer email . Used in registration for personal information
Hierarchial_recruiter	String	Recruiter of the user . Used in registration for personal information

Hierarchial_marketing _director	String	Marketing directior of the user . Used in registration for personal information
Hierarchial_marketing _director_code	String	AgentCode of the marketing Director . Used in registration for personal information
Hierarchial_bap	String	BAP . Used in registration for personal information
Hierarchial_referror	String	referror of the user . Used in registration for personal information
Hierarchial_referror _code	String	AgentCode of the referror . Used in registration for personal information
Hierarchial_custodian	String	custodian of the user . Used in registration for personal information
Hierarchial_custodian _code	String	AgentCode of the Custodian . Used in registration for personal information
Hierarchial_trainor	String	Trainor of the user . Used in registration for personal information
Hierarchial_trainor_code	String	AgentCode of the trainor . Used in registration for personal information

Agent_life_insurance _name	String	Insurance of the user . Used in registration for personal information
Agent_non_life_ insurance _name	String	Non- life Insurance of the user . Used in registration for personal information
Agent_health_care_ name	String	Health care name of the user . Used in registration for personal information
approve	tinyint	Flagged value, used to sort if the user has been approved by the admin or not.
Receipt_no	String	Defines the date of the registration of the user . Used in registration for personal information
position	String	Shows the current position that the user has . Used in registration for personal information

Table 6.1.2 User Module Detail

12.2. Data Detailed Design

12.2.1. Name Entity Detail

Attribute	Type	Purpose

Agent Code	String	Use to find and identify the agent information and downlink and uplink.

Table 6.2.1 Name Entity Detail

12.2.2. Credit Entity Detail

Attribute	Type	Purpose
Credits	Int	Use check if person if applicable to promotion

Table 6.2.2 Credits Entity Detail

13. Appendices

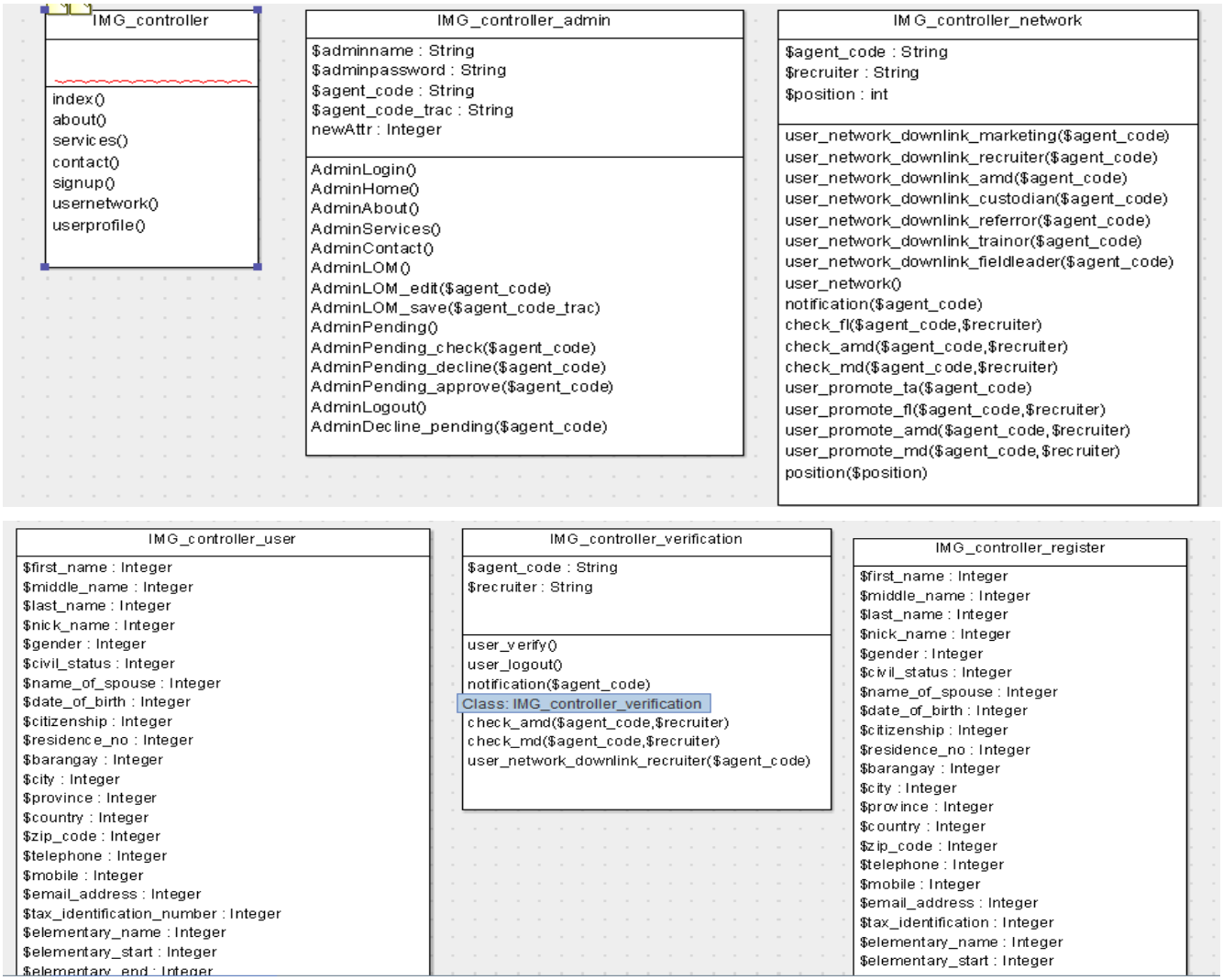
14. Index

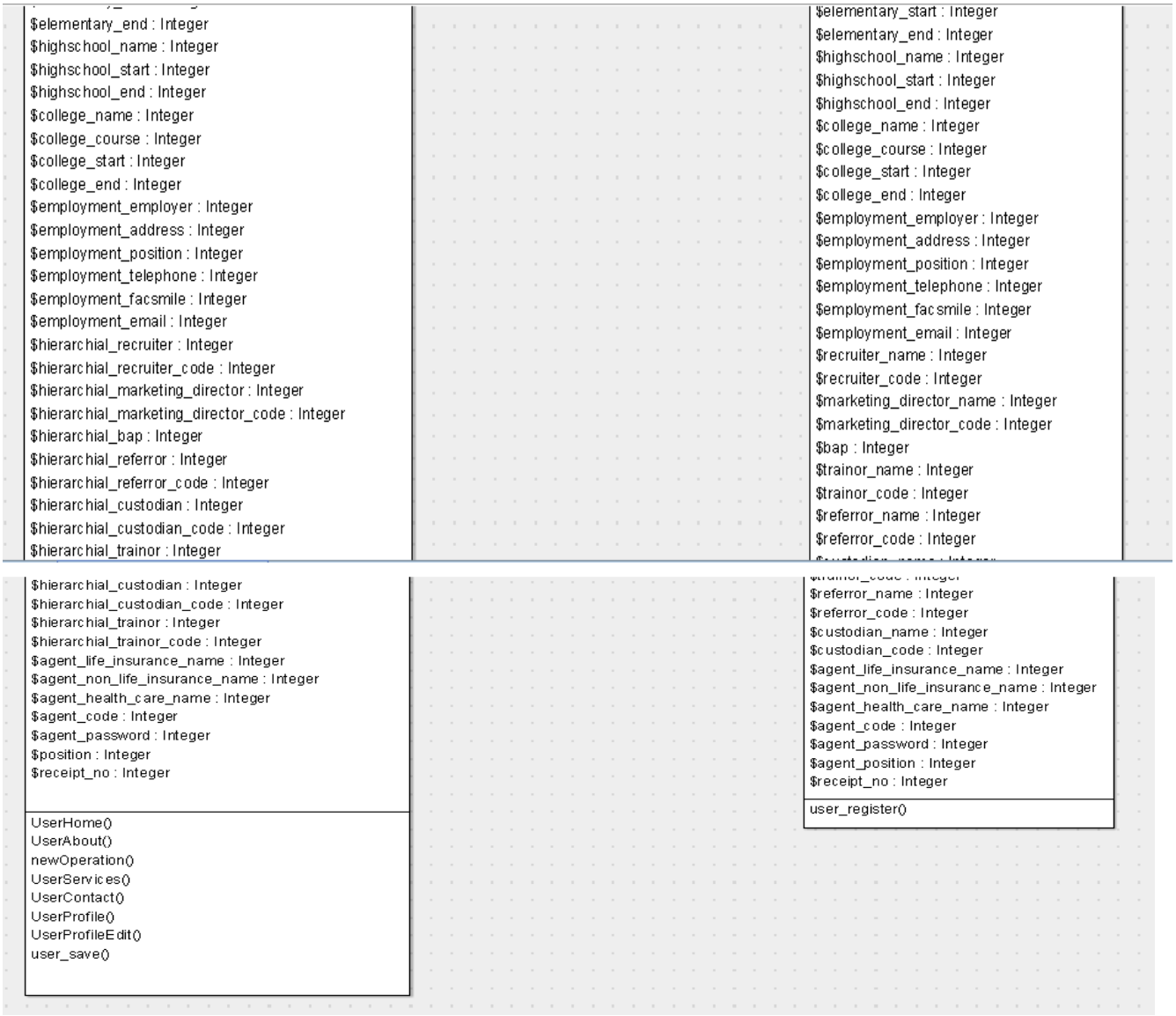
15. Annexes

9.1. Data flow diagram (optional)

- Not applicable

9.2. Class diagram





9.3. Sequence diagram / Communication diagram

- Not applicable

9.4. User interface design

Figure 9.4.1 Home Page

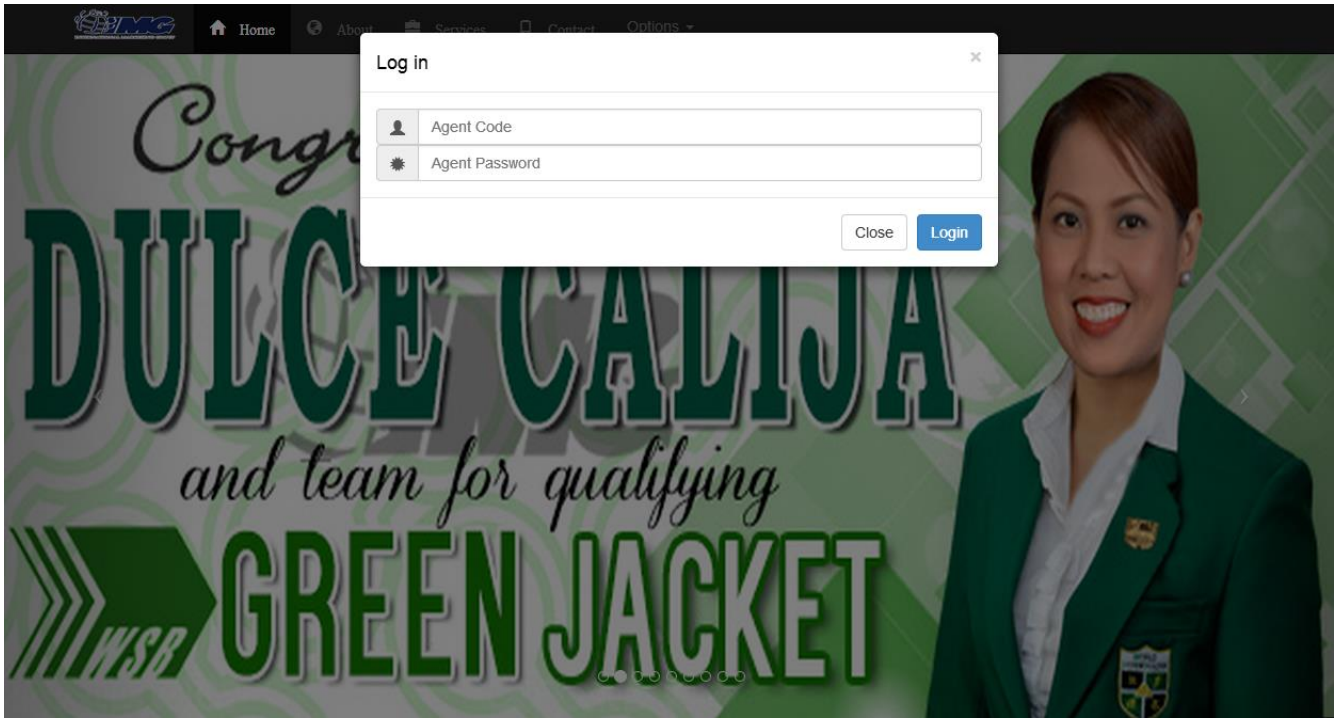


Figure 9.4.2 Log In

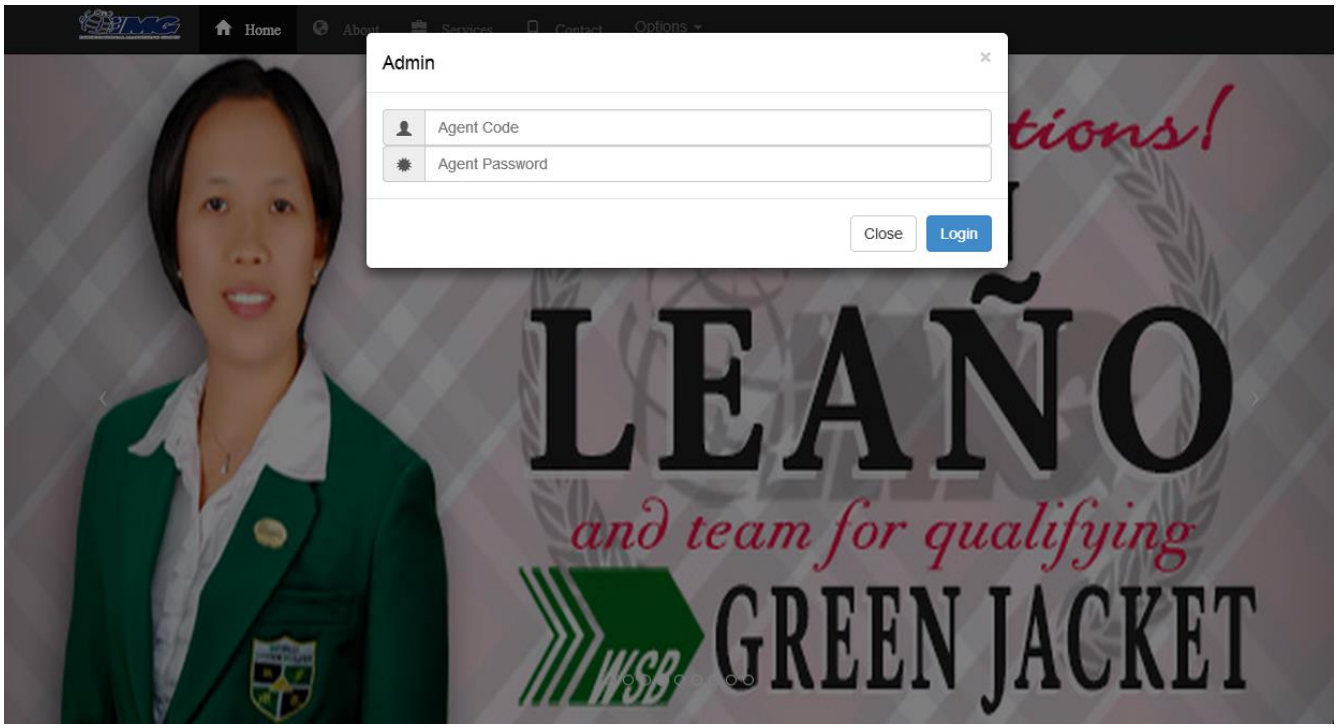


Figure 9.4.3 Admin

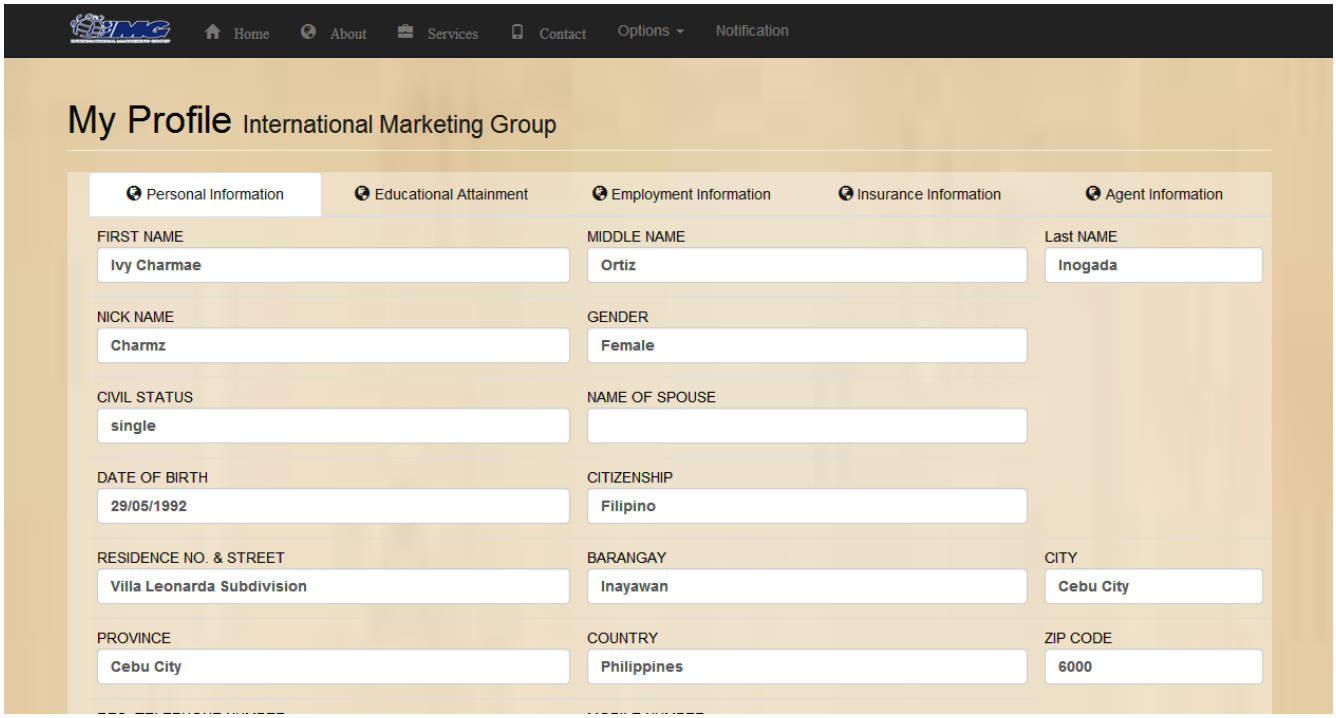


Figure 9.4.4 Profile

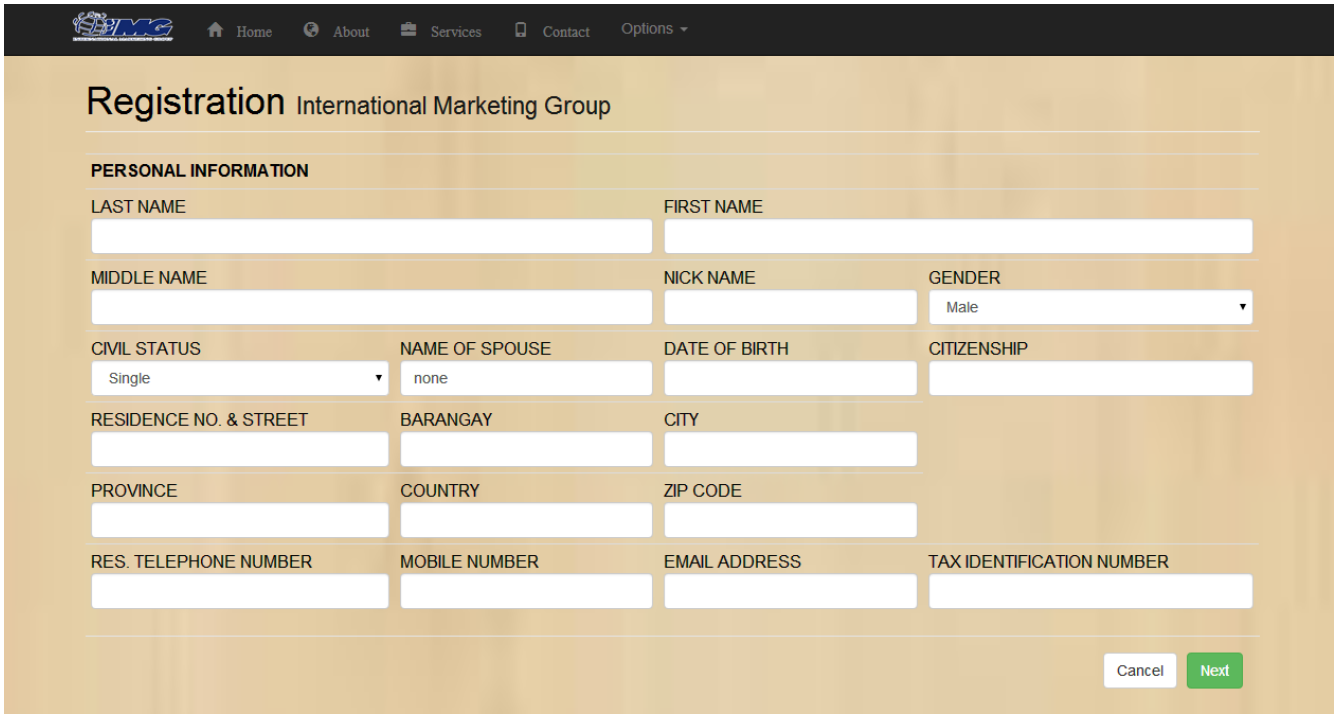


Figure 9.4.5 Registration

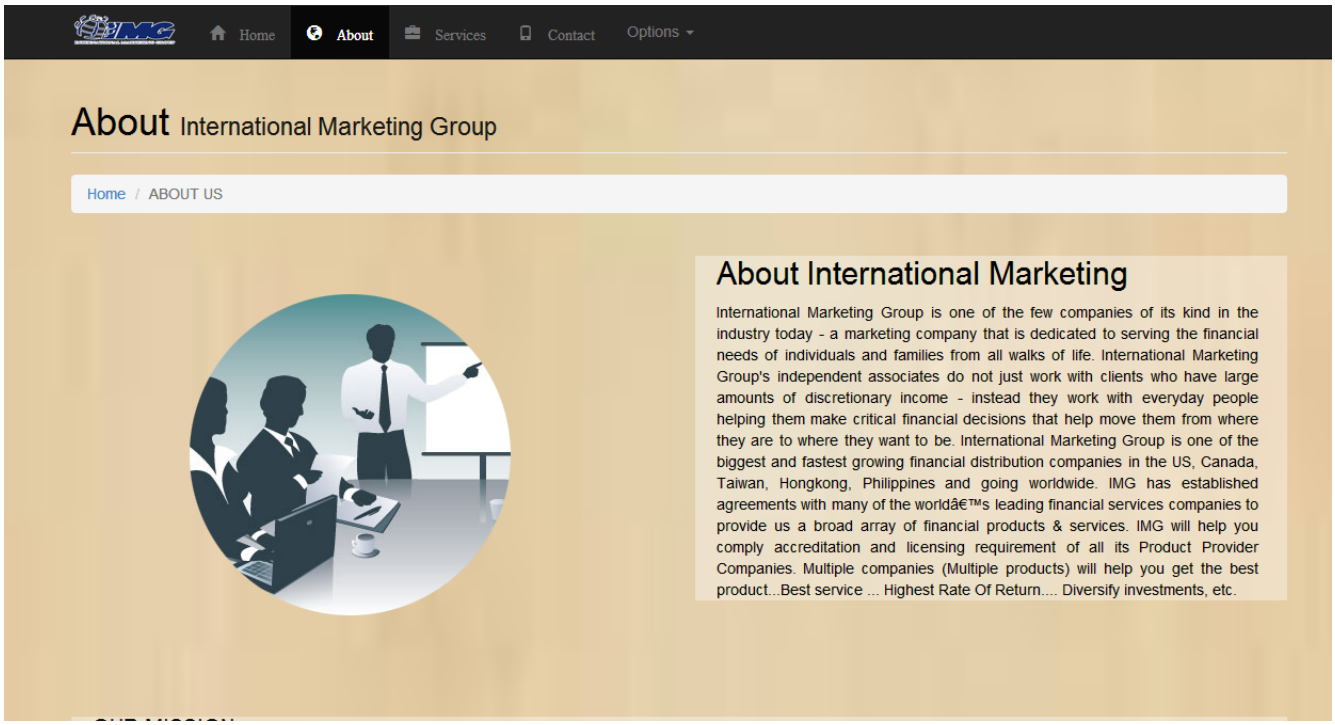


Figure 9.4.6 About us

Figure 9.4.7 Services

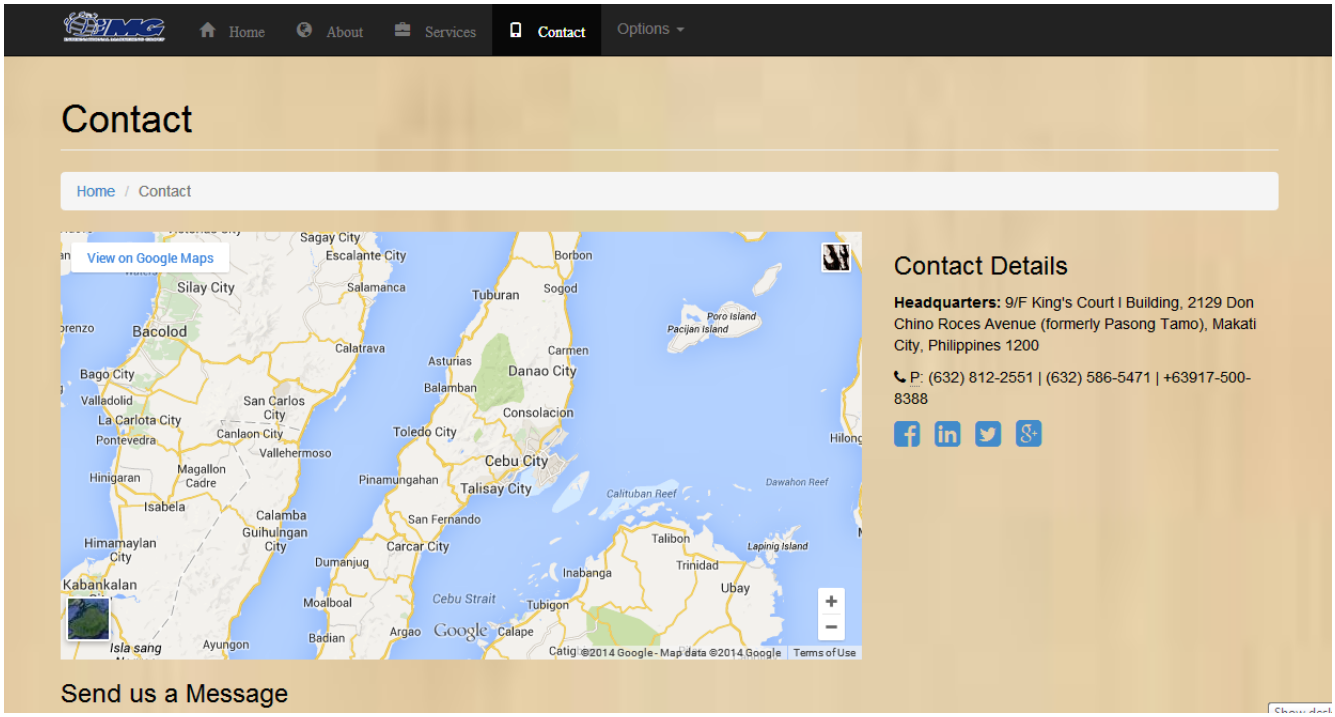


Figure 9.4.6 Contact us

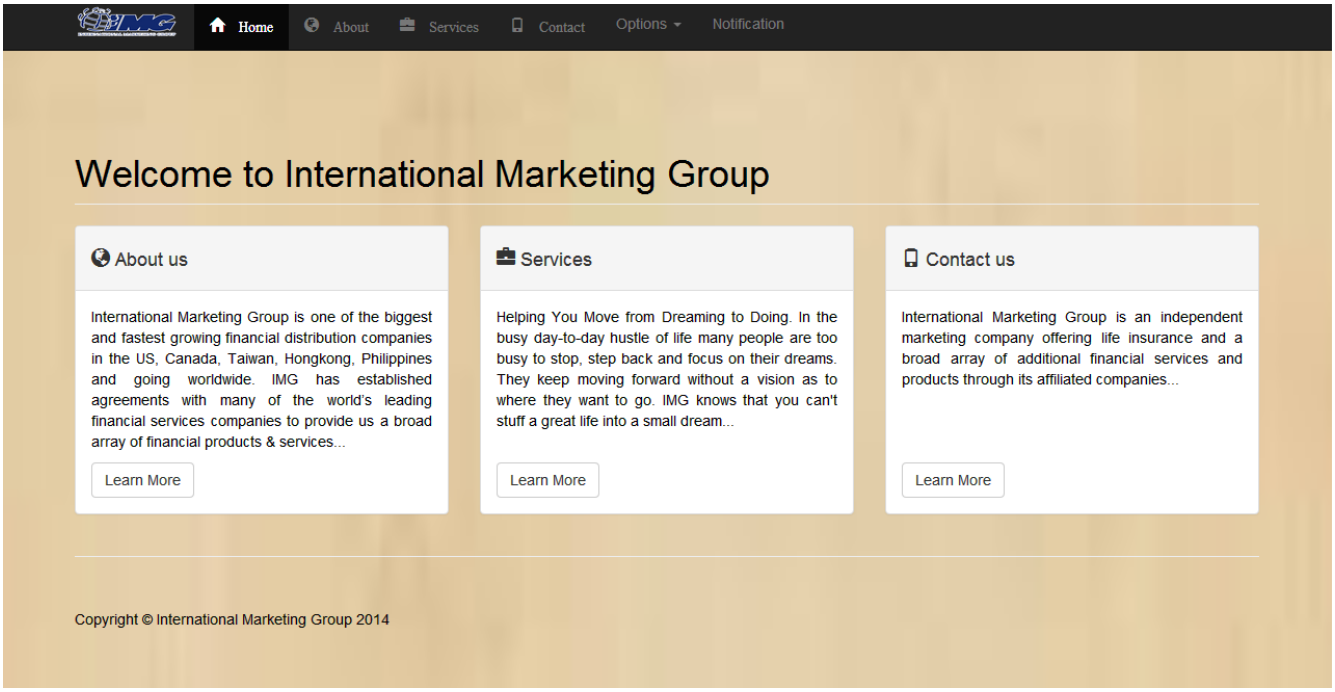


Figure 9.4.6 User home

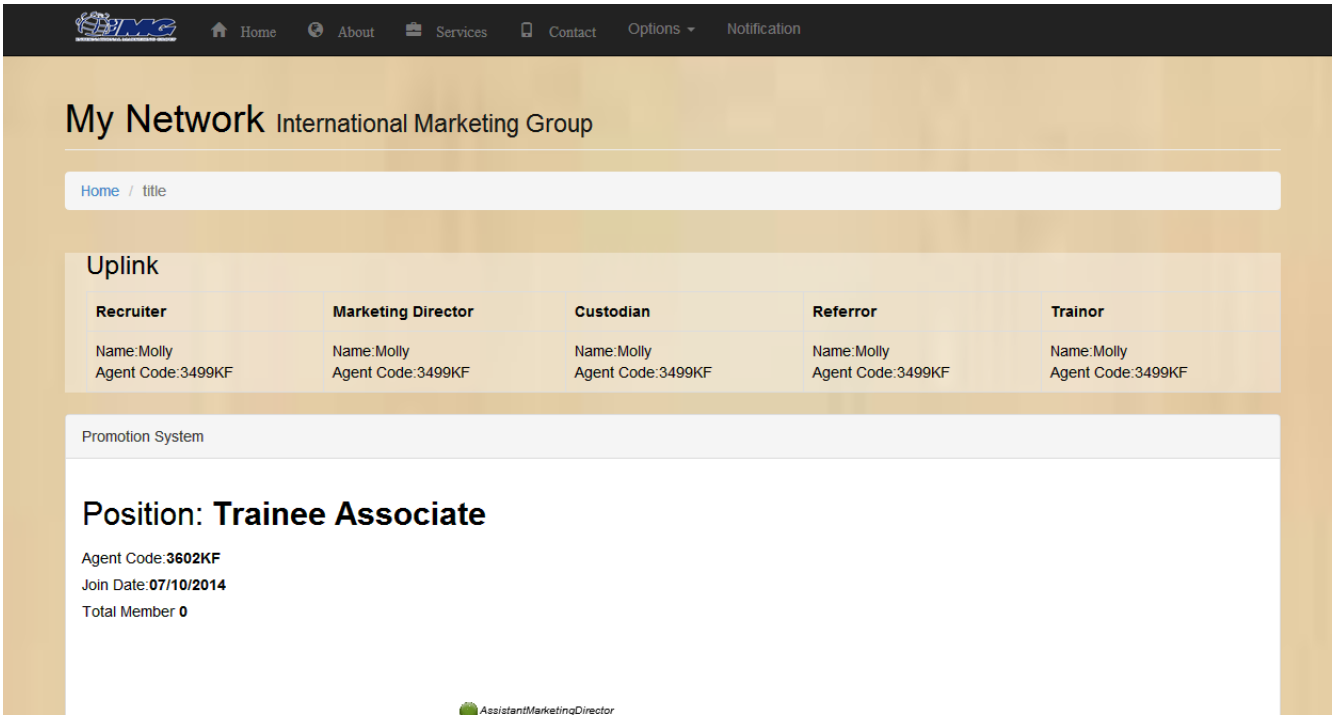


Figure 9.4.6 User Network

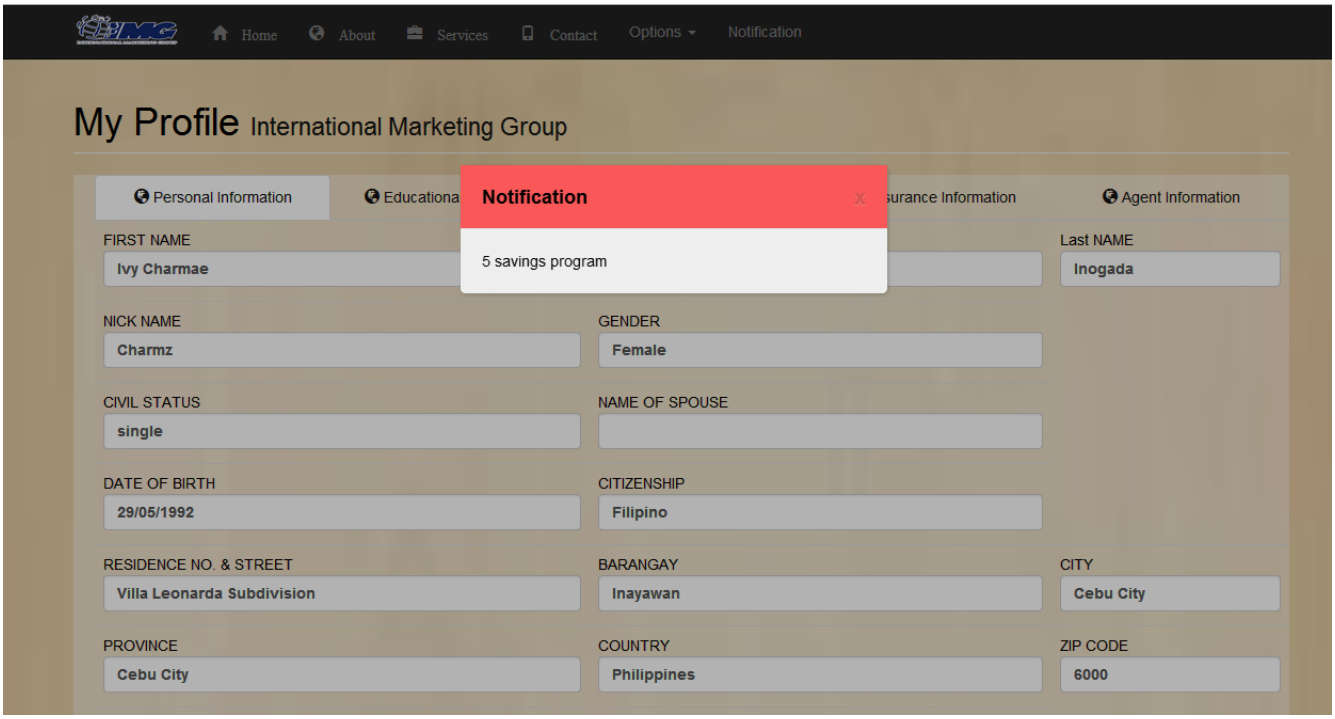


Figure 9.4.6 User Notification

9.5. Entity-relationship diagram

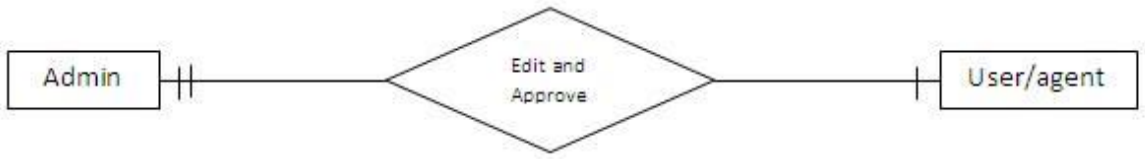


Figure 9.5.1 Entity Relationship Diagram

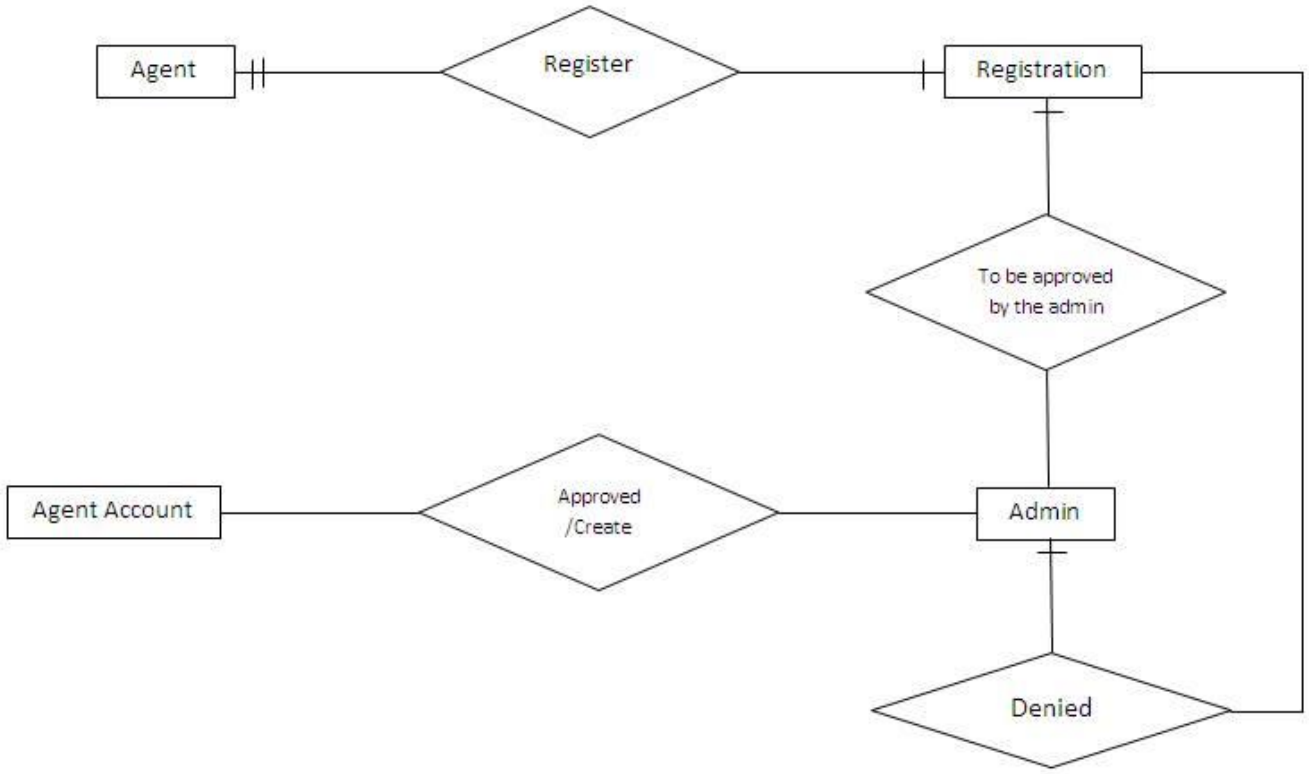


Figure 9.5.2 Entity Relationship Diagram

CEBU INSTITUTE OF TECHNOLOGY UNIVERSITY

COLLEGE OF COMPUTER STUDIES

Software Test Documentation

For

Tracking System and Registration System
for
International Marketing Group

Signature

	Position	
Joseph Christopher Pimentel	Team Leader / Programmer	
Tiffany R. Ouano	Documentation Officer	
Justin Empeño	Documentation Officer	
Charie Raymundo	Documentation Officer	
Rey Mart Abigan	Test Engineer	
Ivy Charmae Inogada	Web Designer/ Programmer	

Table 1 - Members

Change History

VERSION	DATE	AUTHOR	CHANGES
1.0	August 16, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	**Preliminary Version** (draft)

Table 2 – Version 1.0

VERSION	DATE	AUTHOR	CHANGES
1.1	September 15, 2014	Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	**Secondary Version** changes has been made to the following areas of the document: 1. Definitions (3) 2. Features to be Tested (4.2.4) 3. Responsibilities (4.2.12) 4. Test Design Specification (5) 5.Test Items (6.2.2) 6. Output Specifications (6.2.4) 7. Procedure Steps (7.2.4)

Table 2.1 – Version 1.1

VERSION	DATE	AUTHOR	CHANGES
2.0	September 27, 2014	Pimentel, Joseph Christopher Ouano, Tiffany Charie Raymundo Ivy Charmae Inogada Justin Empeño Rey Mart Abigan	Updated: 1. Features to be tested 2.

Table 2.2 – Version 2.0

Preface

The contents of this document are based upon the concepts espoused in the document “IEEE Std. 829-1998 IEEE Standard for Software Test Documentation, IEEE Std. 1008-1997 IEEE Standard for Software Unit Testing and IEEE Std. 1012-1998 IEEE Standard for Software Verification and Validation.”

This document provides an overview of the software test document to be used in CCS410 - Software Project. This document is prepared by Team Members as a group study or as another criterion.

The context of STD describes a process rather than a product. During system development, this document and its supplements provide the information needed to do adequate testing. It lists approaches and standards to ensure that a quality product that meets the needs of the user is produced. This document is augmented by supplementary documents that list schedules, assignments and results. A record of the final result of the testing should be kept externally. For the maintenance phase, this document provides the context for regression testing when any changes are made.

Table of Contents

List of Figures

List of Tables

16. Scope

This system test document presented is done in accordance with IEEE Std 829 – 1998. This document is used as to test the system on its different functions.

There will be a testing plan in order to have a systematic testing for the system and in order to follow specific steps in testing the functionality. Test design will be specified identify the features to be tested by this design. Test case will also be specified identify the test design specification. There will be a test procedure to specify the steps for executing a set of test cases or more generally, the steps used to analyze software item in order to evaluate a set of features. A test transmittal report will be provided to identify test items being transmitted for testing. Most of all a test log is very important in order to provide a chronological record of relevant details about the execution tests. And a test log identifier to specify unique identifier assigned to the test log. And the test incident report to document the events that occur during the testing process that requires investigation. A summary report is provided to summarize the results of the designated testing activities and to provide evaluations based on these results.

These are the different test process that will be followed in order to evaluate the system. This portion will also tell us about the execution of the program with dynamic aspects of software testing. This show us the purpose, outline, the content of what's inside of the project and some documentation. It focuses on the dynamic part of the system by doing some testing in every module.

17. References

IEEE Std 1058-1998 IEEE standard for software project management plans

Karl E. Wiegers SOFTWARE REQUIREMENTS, 2003 Microsoft

IEEE 12207.2-1997 Industry Implementation of International Standard ISO/IEC 12207: 1995 (ISO/IEC 12207)Standard for Information Technology - Software Life Cycle Processes - Implementation Considerations

IEEE Std. 1016-1998 IEEE Recommended Practice for Software Design Descriptions

Software Requirements Specification of Bizjobfinder Network Classified E-commerce

Software Project Management Plan of Bizjobfinder Network Classified E-commerce

ASTM E1340-96, Standard Guide for Rapid Prototyping of Computerized Systems.

IEEE Std 610.12-1990, IEEE Standard Glossary of Software Engineering Terminology.

IEEE Std 730-1998, IEEE Standard for Software Quality Assurance Plans.
IEEE Std 730.1-1995, IEEE Guide for Software Quality Assurance Planning.
IEEE Std 828-1998, IEEE Standard for Software Configuration Management Plans.
IEEE Std 982.1-1988, IEEE Standard Dictionary of Measures to Produce Reliable Software.
IEEE Std 982.2-1988, IEEE Guide for the Use of IEEE Standard Dictionary of Measures to Produce Reliable Software.
IEEE Std 1002-1987 (Reaff 1992), IEEE Standard Taxonomy for Software Engineering Standards.
IEEE Std 1012-1998, IEEE Standard for Software Verification and Validation.
IEEE Std 1012a-1998, IEEE Standard for Software Verification and Validation: Content Map to IEEE/EIA 12207.1-1997.
IEEE Std 1016-1998, IEEE Recommended Practice for Software Design Descriptions.
IEEE Std 1028-1997, IEEE Standard for Software Reviews.
IEEE Std 1042-1987 (Reaff 1993), IEEE Guide to Software Configuration Management.
IEEE P1058/D2.1, Draft Standard for Software Project Management Plans, dated 5 August 1998.
IEEE Std 1058a-1998, IEEE Standard for Software Project Management Plans: Content Map to IEEE/EIA 12207.1-1997.

18. Definitions

Contains key terms as used in this document:

3.1 Design level:

The design decomposition of the software item (e.g., system, subsystem, program, or module).

3.2 Pass/fail criteria:

Decision rules used to determine whether a software item or a software feature passes or fails a test.

3.3 Software feature:

A distinguishing characteristic of a software item (e.g., performance, portability, or functionality).

3.4 Software item:

Source code, object code, job control code, control data, or a collection of these items.

3.5 Test:

(A) A set of one or more test cases, or

(B) A set of one or more test procedures, or
(C) A set of one or more test cases and procedures.

3.6 Test case specification:
A document specifying inputs, predicted results, and a set of execution conditions for a test item.

3.7 Test design specification:
A document specifying the details of the test approach for a software feature or combination of software features and identifying the associated tests.

3.8 Test incident report:
A document reporting on any event that occurs during the testing process which requires investigation.

3.9 Testing:
The process of analyzing a software item to detect the differences between existing and required conditions (that is, bugs) and to evaluate the features of the software item.

3.10 Test item:

A software item which is an object of testing.

3.11 Test item transmittal report:

A document identifying test items. It contains current status and location information.

3.12 Test log:

A chronological record of relevant details about the execution of tests.

3.13 Test plan:

A document describing the scope, approach, resources, and schedule of intended testing activities. It identifies test items, the features to be tested, the testing tasks, who will do each task, and any risks requiring contingency planning.

3.14 Test procedure specification:

A document specifying a sequence of actions for the execution of a test.

3.15 Test summary report:

A document summarizing testing activities and results. It also contains an evaluation of the corresponding test items.

4. Test Plan

4.1 Purpose

This Test Plan will prescribe the scope, approach, resources, and schedule of the testing activities. In addition, to identify the items being tested, the features to be tested, the testing tasks to be performed, the personnel responsible for each task, and the risks associated with this test plan. The primary focus of this plan is to ensure that the functionalities provide the expected output.

The purpose of this document is to describe the standards and procedures to follow during the software testing phases of the Tracking and Registration System for International Marketing Group. This document supports the section on Testing and Validation in the Integration and Methods Quality Manual.

The test plan is to provide the necessary information's needed for the verification and validation of the features and functionalities of the system. All test procedures will be done thoroughly and with enough credibility.

4.2 Outline

4.2.1 Test Plan Identifier

The system must satisfy the set requirements of the clients. The following will be the basis for the item testing:

- Resulting action based on request
- Data displayed
- Data gathered
- Compliance from its functionality

4.2.2 Introduction

This test plan covers a full systems test of the Tracking and Registration System for International Marketing Group. This includes operator and user procedures. In addition to comprehensively testing multi program functionality, external interfaces, security, recovery, and performance will also be evaluated. It will test software items for the Administrators and users.

This test plan is a planning document that shows the following:

- How the testing will be done
- Who will do it/persons responsible for the tasks
- What items will be tested
- How long it will take for the testing to be done

4.2.3 Test Items

All items that make up the "Tracking and Registration System for International Marketing Group" features of will be tested during the testing.

4.2.4 Features to be tested

The functionalities that to be tested and to be achieved:

- Registration Functionality (Sign up / Log in)
- Notification Functionality (tracking)
- Promotion / Network Functionality
- Decline / Approve Functionality for Admin
- User can search recruiter's agent code while Signing up
- User can search his/her trainees by agent code

4.2.5 Features not to be tested

- Static pages like the Services/About/Home/Contacts. Except for their menu bar which are functional else static information does not contain functions.

4.2.6 Approach

The testing for this project will consist of functional testing. Each function shall be tested directly from execution and the testers will analyze the result or resulting action to check whether it functions correctly or not. Every test function will be tested individually and will be verified for any errors.

It is hoped that every member will be keen during the testing and will have at least one full time independent test person who is most likely the team leader who will also be the one to approve and verify everything.

4.2.7 Item pass / fail criteria

The system must satisfy all the necessary requirements set by the client. Test items will be passed if the following requirements are met:

Test Item	Requirements
Software Design Modules	All links must be properly working.
Dynamic Part	All functions should work and run according to the features set by the developer and all contents of the dynamic part of the system should generate dynamic outputs.

Table 3 – Criteria

4.2.8 Suspension criteria and resumption requirements

If any defects are found which seriously impact the test progress, the Quality Assurance officer may choose to suspend testing.

When to suspend test?

If the program contains one or more critical defects, which seriously prevents or limits testing progress. When the assigned test resources are not available when needed by the test team.

When to resume test?

Resumption will only occur when the problem(s) that caused the suspension has been resolved.

When to repeat tests?

When a new version of the system is transmitted to the adviser after a suspension of testing has occurred, another set of tests will be run.

4.2.9 Test deliverables

Not applicable.

4.2.10 Testing tasks

- Operation Testing
- Re – Test

4.2.11 Environmental Needs

The following represent the essential hardware and software needs:

This system will be implemented through Web browser application.

For hardware, any computer will do if it is supported by the required specifications.

4.2.12 Responsibilities

Role	Responsibilities
Team Leader (Joseph Christopher Pimentel)	• Software project planning and monitoring • Milestone and schedule planning • Set and communicate the group meeting agendas • Keep reminders of the group
System Developer (Joseph Christopher Pimentel, Ivy Charmae Inogada)	• Write codes and optimize it if required • resolve the errors that occur in the software
Documentation Officer (Tiffany Ouano, Justin Empeño)	• In-charge in the document reports • Keeps accurate records • Ensures that the project management method meets conventional standards • Requirements specified
Designer (Ivy Charmae Inogada)	• Plans and designing templates • Designing user interface of the software

Quality Assurance/Tester (Charie Raymundo, Rey Mart Abigan)	• Test the software • Determine the errors
Systems Analyst (Joseph Christopher Pimentel)	• Analyzes the flow of the entire system • Designing the Structure of the Database

Each member has its individual responsibilities because each one has its own topic, each members do research, planning, developing and animating. Each member focuses its respective topics.

Table 4 – Responsibilities

4.2.13 Staffing and Training needs

All members already have the necessary skills to conduct the software testing. Therefore there

will be no training provided for the team.

4.2.14 Schedule

Software testing will be conducted the 1st week of September and will end at the last week of September.

4.2.15 Delayed software

Delayed software testing of the other test items might require the team to extend the software testing time frame. If the testing schedule is significantly impacted by system failure, the project manager has agreed to assign a full-time person to the test group to do debugging.

If hardware problems impact system availability during the day, then the test group will schedule their activities during the evening.

4.2.16 Approvals

SNO	Task/s	Author	Date &Signature
1)	Test Plan Documentation	Ouano, Tiffany Empeño, Justin Raymundo, Charie	
2)	Review	Inogada, Ivy Charmae Abigan, Rey Mart Pimentel, Joseph Christopher	
3)	Approval	Pimentel, Joseph Christopher	

Table 5 - Approvals

4 Test Design Specification

5.1 Purpose

To identify the test items being implement for testing. It includes the person who is responsible in testing each item. This report will help to determine the effectiveness and robustness of the system by testing each specified item features. It specifies refinements of the test approach and to identify the features to be tested by this design and its associated tests.

5.2 Outline

5.2.1 Test Case Specification Identifier

The Functional Testing Plan for Tracking and Registration Systems is for IMG (International Marketing Group) thesis.

5.2.2 Features to be tested

The Features that to be tested

- Log in Feature
- Registration (Sign Up)
- Tracking / Notification Feature
- Admin Feature
- Approve Feature
- Decline Feature
- Promotion Feature
- Notification feature for users

5.2.3 Approach Refinements

The test personnel will use the IEEE Standard as a guideline in making the test design and test case specifications. The approach in this Software Test Document is to make the testing phase for Tracking and Registration Systems for Software Design be neatly organized.

Interface Testing

During interface testing, different inputs will be entered, including erroneous ones.

Security Testing

The log in panel will be tested if it follows the specified function stated in the Software Requirements Specifications document. This is to check that the system is critically filtered.

Constraints

There will be a scheduled final test of the system on October 2014. There might be constraints that would occur. However, full effort shall be given in order to fully meet the target output.

5.2.4 Test Identification

The system must satisfy the set requirements of the clients. The following will be the basis for the item testing:

- Resulting action based on its purpose
- User input
- Generated output
- Compliance from its functionality

5.2.5 Features Pass/Fail Criteria

The system must satisfy all the necessary requirements set by the client. Test items will be passed if the following requirements are met:

Test Item	Requirements
Software Design Modules	All links must be properly working and the game should be functioning well.
Dynamic Part	All functions should work and run according to the features set by the developer and all contents of the dynamic part of the system should generate dynamic outputs.

Table 6 - Item pass / fail criteria

5 Test Case Specification

6.1 Purpose

The purpose of this document is to indicate the item to be tested, such as a particular module or product feature. It includes a reference to the corresponding test design document and describes any dependence on execution of other test cases. Like any standard document, a test case specification is labeled with a unique identifier.

6.2 Outline

6.2.1 Test Case Specification Identifier

The Functional Testing Plan for Tracking and Registration Systems is for IMG (International Marketing Group) thesis.

6.2.2 Test Items

All items that make up the "*Tracking and Registration Systems"* features of will be tested during the testing.

Dynamic Part for the System

- Log in
- Sign up
- Registration form
- Tracking system
- Promotion
- Notification

6.2.3 Input Specifications

Communication interface is through internet. The systems are functional to desktop
.

6.2.4 Output Specifications

Specify all of the outputs and features required of the test items. Provide the exact value (with tolerances where appropriate) for each required output or feature.

I. Main Menu

A. Home
Click home for the main menu.

B. About
Click about for the Information about IMG.

C. Services
Click services for the offer of the company.

D. Contact
Click contact for the contact information of the company.

E. Option
Click option for the selection of the following

- Unregistered User
  - **Login :** user login for existing users.
  - **Admin :** admin login for administrator only.
  - **Signup :** for unregistered users.
- Registered User
  - **logout :** end session for existing users.
  - **network :** see the upline and downline.
  - **Profile :** view/edit personal information
- Administrator
  - **logout :** end session.
  - **Pending Request:** see's newly registered users that are waiting to be approved
  - **List of members :** view/edit approved members of IMG.

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6.2.5 Environmental Needs

Software testing will be done using the following resources:

Hardware:

- Personal Computer or laptop with any Operating System and internet connection.

Software:

- Web Browser

6.2.6 Specific Procedure Requirements

All users must be computer literate or must have a little knowledge in how to operate a computer in order for the user to use the learning object.

6 Test Procedure Specification

7.1 Purpose

To specify the steps for executing a set of test cases or, more generally, the steps used to analyse a software item in order to evaluate a set of features.

From the module level to the application level, this article defines the different types of testing. Depending upon the purpose for testing and the software requirements/specs, a combination of testing methodologies is applied. One of the most overlooked areas of testing is regression testing and fault tolerant testing.

7.2 Outline

7.2.1 Test procedure specification identifier

The Functional Testing Plan for Tracking and Registration Systems is for IMG (International Marketing Group) thesis.

7.2.2 Purpose

This procedure has the main purpose is to achieve the execution of the test case and to minimize all the errors that can occurred when the test is conducted.

7.2.3 Special Requirements

Full attention of the developer and also the tester's knowledge ideas on how to deal on the testing process is most required.

7.2.4 Procedure Steps

- All members should be prepared for the test and anticipate possible errors
- Gather all the requirements and provide appropriate data need for the test.
- Document the test results in any way suitable for recording

A. Log

Test results will be immediately recorded.

- Errors will be tested during the tests therefore a pen and paper will do.

B. Set Up

Hardware and software performance will be added to ensure that such external factors will not influence the test results.

1. Turn on the laptop or PC.

C. Start

Start the testing with the external functionalities and then its internal functionalities.

1. Open the web browser from Desktop or laptop.

D. Proceed

During the execution of test procedure, a priority must be met which is to finish the interrupted testing.

- Run tests according to test cases and modules.

E. Measure

Precautionary measures are applied during the execution of the procedure such as time table management to have enough time and to be well-organized.

- Measurements during the testing process will be based on human observations and each will be logged. Measurements with regards to time will be done manually using timers. Anything that goes wrong will be logged as well.

F. Shutdown

Insufficiency of information or suspension of testing due to unnecessary events may take to consideration but still take some extra effort just to cover time being.

- You have to stop running the source code and close application.

G. Restart

Any revisions made to the interface or some of the codes, considering the time can be covered by debugging codes and making retouches from the user interface, must construct ideas out of the members to help generate a new output.

- If you are restarting, restart the application and run source code again.

H. Stop

To put up an end, conducting short review to every little details of the whole testing procedure executed and has a checking of the entire test made.

- You have to stop running the source code and close application.

7 Test Summary Report

8.1 Purpose

The purpose of this report is to identify the individual test items that are being transmitted for testing. Beside the status of the test, the item transmittal report also includes the physical location of the test and the responsible tester of each item.

To summarize the results of the designated testing activities and to provide evaluations based on these results.

8.2 Outline

8.2.1 Test summary report identifier

The Functional Testing Plan for Tracking and Registration Systems is for IMG (International Marketing Group) thesis.

8.2.2 Summary

A test has been conducted and initially uncovered the errors which immediately resolved by the developers.

8.2.3 Summary of results

The conduct of the test is a success and some of the minor errors had been uncovered which immediately resolved.

8.2.4 Evaluation

This section provides an overall evaluation of the testing process including problems and limitations.

The tested items for the features of the project are functioning well and served its purpose. Thus, it made the test a successful one.

8.2.5 Summary of activities

As a summary of the activities, those were performed for the testing and for achieving the goal of the test execution.

8.2.6 Approvals

The people that are involved in approving this document is/are:

Mr. Mario Silvano - Adviser

Ms. Ligemm Del Castillo -Client

8 Annexes