Quality Plan

For

DrDentAssist

Version 1.0 approved

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Table of Contents

1. Introduction

This document, together with other referenced documents, defines the responsibilities and procedures to be adopted to ensure that the data and information produced as part of Project 001 are reliable, fit for purpose and consistent with documented objectives and deliverables. It summarises the system of internal management that governs the decisions and instructions concerning project quality assurance.

2. Project Contractual Information

Project: Booking Online System and Patients Record System

Project Number: 001

Programme Co-ordinator: Leticia Aspiras

                                   Nancy Calimag

Principal Investigators(s):   Coney Dela Pena

                                   Richelle Ravago

                                   Welthea Ea

                                   Marjorie Celis

                                   Lala Marquezo

                                   Mary Jane Santos

                                   Charizza Jinayon

3.   Scope of Work and Quality Objectives

Scope of work:

The scope of DrDentAssist

- Patient can view the website
- Patient can request appointment online.
- Patient can cancel appointment.
- Admins can manage patient appointments.
- Admin can manage Doctors Schedule.
- Admin can manage patients' record.
- Admin can manage payment.

DrDentAssist will focus on the dental and derma services of Happy Clinique. The project team will also create a patient record system for the Clinique.

Quality Objectives:

- To provide Happy Clinique a website with an online booking function.
- For Happy Clinique to have a better monitoring of their accepted appointments.
- Provide patients a quick and easy way of requesting for an appointment.
- To completely transitions patients records from paper to paperless.
- To add a feature in the website to record patient's payment.

QA Requirement:

QA Requirement		
Factor	Description	Rank
Accessibility	Admins will be given different permissions. The Admins (Doctors and Reception Admin) can manage patients appointment. While patients would only have permission to manage their own appointment.	
Correctness	The correcteness of the system will be determined if the patient was able to submit an appointment reqeust online .	
Efficiency	The system aims to increase patients and increase productivity of employees.	
Expandability	Adding functionality to the system will always be taken into consideration. The system uses Laravel framework which do have a lot of resource or open spoource.	
Integrity	Doctors are the only one who can make changes on patients record in regards to updating their medical records. Admins like Reception Admin will have accessto managing patients appointment.	
Interoperability	The system will engage with different mailing platorm. The system will be sending confirmation emails to the patients regarding their registration to the site and appintment request.	
Maintainability	Happy Clinique will be up and running as long as the business is ongoing.	
Portability	The system will be soon have a mobile app.	
Presentability	The design of the website is minimalistic. It will contain information about the clinique. It will also shows clinique's services offered and the availability of the Doctors.	
Reliability	The system will can accept bookings as long as the server is running.	
Reusability	Login and Booking modules can be usesd in other applications.	
Usability	The system will be design in a friendly user manner.	

4.   Project Organisation

Project Manager(s):   Reimarie Princess Quirante

Task Manager(s):   Maria Kristina Punla

Quality Assurance: Chloe Tanada

User Community: Lala Marquezo

                                              Mary Jane Santos
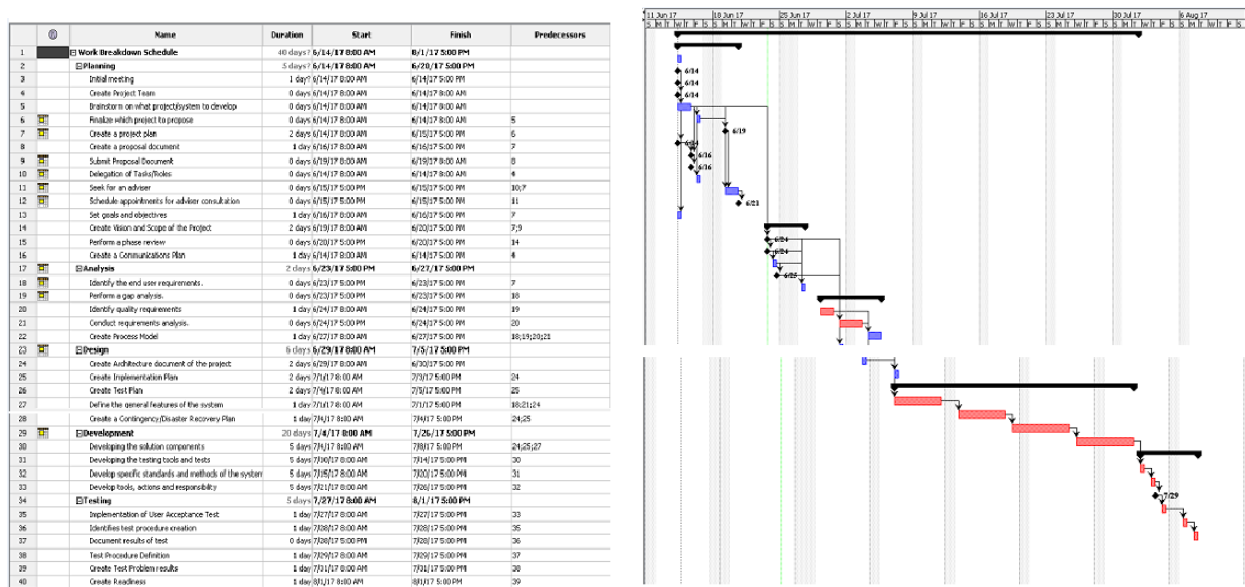
                                              Charizza Jinayon

Technical Reviews: Leticia Aspiras

                                              Nancy Calimag

5. Project Duration and Scheduling

Start Date: June 7,2017

Completion Date: August 23, 2017

Scheduling of Activities:

Gantt Chart:

	①	Name	Duration	Start	Finish	Predecessors
1		⊟ Work Breakdown Schedule	40 days?	6/14/17 8:00 AM	8/1/17 5:00 PM	
2		⊟ Planning	5 days?	6/14/17 8:00 AM	6/20/17 5:00 PM	
3		Initial meeting	1 day?	6/14/17 8:00 AM	6/14/17 5:00 PM	
4		Create Project Team	0 days	6/14/17 8:00 AM	6/14/17 8:00 AM	
5		Brainstorm on what project/system to develop	0 days	6/14/17 8:00 AM	6/14/17 8:00 AM	
6	📆	Finalize which project to propose	0 days	6/14/17 8:00 AM	6/14/17 8:00 AM	5
7	📆	Create a project plan	2 days	6/14/17 8:00 AM	6/15/17 5:00 PM	6
8		Create a proposal document	1 day	6/16/17 8:00 AM	6/16/17 5:00 PM	7
9	📆	Submit Proposal Document	0 days	6/19/17 8:00 AM	6/19/17 8:00 AM	8
10	📆	Delegation of Tasks/Roles	0 days	6/14/17 8:00 AM	6/14/17 8:00 AM	4
11	📆	Seek for an adviser	0 days	6/15/17 5:00 PM	6/15/17 5:00 PM	10;7
12	📆	Schedule appointments for adviser consultation	0 days	6/15/17 5:00 PM	6/15/17 5:00 PM	11
13		Set goals and objectives	1 day	6/16/17 8:00 AM	6/16/17 5:00 PM	7
14		Create Vision and Scope of the Project	2 days	6/19/17 5:00 PM	6/20/17 5:00 PM	7;9
15		Perform a phase review	0 days	6/20/17 5:00 PM	6/20/17 5:00 PM	14
16		Create a Communications Plan	1 day	6/14/17 8:00 AM	6/14/17 5:00 PM	4
17	📆	⊟ Analysis	2 days	6/23/17 5:00 PM	6/27/17 5:00 PM	
18	📆	Identify the end user requirements.	0 days	6/23/17 5:00 PM	6/23/17 5:00 PM	7
19	📆	Perform a gap analysis.	0 days	6/23/17 5:00 PM	6/23/17 5:00 PM	18
20		Identify quality requirements	1 day	6/24/17 8:00 AM	6/24/17 5:00 PM	19
21		Conduct requirements analysis.	0 days	6/24/17 5:00 PM	6/24/17 5:00 PM	20
22		Create Process Model	1 day	6/27/17 8:00 AM	6/27/17 5:00 PM	18;19;20;21
23	📆	⊟ Design	6 days	6/29/17 8:00 AM	7/5/17 5:00 PM	
24		Create Architecture document of the project	2 days	6/29/17 8:00 AM	6/30/17 5:00 PM	
25		Create Implementation Plan	2 days	7/1/17 8:00 AM	7/3/17 5:00 PM	24
26		Create Test Plan	2 days	7/4/17 8:00 AM	7/5/17 5:00 PM	25
27		Define the general features of the system	1 day	7/1/17 8:00 AM	7/1/17 5:00 PM	18;21;24
28		Create a Contingency/Disaster Recovery Plan	1 day	7/4/17 8:00 AM	7/4/17 5:00 PM	24;25
29	📆	⊟ Development	20 days	7/4/17 8:00 AM	7/26/17 5:00 PM	
30		Developing the solution components	5 days	7/4/17 8:00 AM	7/8/17 5:00 PM	24;25;27
31		Developing the testing tools and tests	5 days	7/10/17 8:00 AM	7/14/17 5:00 PM	30
32		Develop specific standards and methods of the system	5 days	7/15/17 8:00 AM	7/20/17 5:00 PM	31
33		Develop tools, actions and responsibility	5 days	7/21/17 8:00 AM	7/26/17 5:00 PM	32
34		⊟ Testing	5 days	7/27/17 8:00 AM	8/1/17 5:00 PM	
35		Implementation of User Acceptance Test	1 day	7/27/17 8:00 AM	7/27/17 5:00 PM	33
36		Identifies test procedure creation	1 day	7/28/17 8:00 AM	7/28/17 5:00 PM	35
37		Document results of test	0 days	7/28/17 5:00 PM	7/28/17 5:00 PM	36
38		Test Procedure Definition	1 day	7/29/17 8:00 AM	7/29/17 5:00 PM	37
39		Create Test Problem results	1 day	7/31/17 8:00 AM	7/31/17 5:00 PM	38
40		Create Readiness	1 day	8/1/17 8:00 AM	8/1/17 5:00 PM	39

Activity list

Activity #	Activity Name	Activity Name Description	# of Days	Start Date	Dependency	Milestone
1	Planning	Planning on Project Development	1	06/07/17		Final decision of the project
2	Analysis	Project Requirements Analysis	1	06/07/17	SS	Final analysis
2.1	Analysis Documentation	WBS/ Gantt Chart/ Activity List	1	6/21/17	1FS + 5 day lag	
2.2	Analysis	Project Documents	13	06/14/17	5 day lag	Final documents
3	Design	System Architecture	5	06/14/17	FS	Detailed design
4	Development	System Development	20	06/14/17	lag	Software code
4.1	GUI	Develop GUI	10	06/14/17	5 day lag	
4.2	Code	Code subroutine	20	06/14/17	lag	Prototype
4.3	Functions	System Functions Development	25		5 day lag	Final working prototype
5	Online requirements	Wiki	2	06/14/17	3 day lag	Final Online Documents
5.1	Online requirements	Microsoft Planner	2	06/14/17	3 day lag	Final Online Documents
5.2	Online requirements	GitHub	0	06/14/17	1 day lag	Final Online Documents

Legend:

FS = The specific task must finish prior to starting the identified task
SS = Two identified tasks start at the same time, but are not linked to finish at the same time.
FF = Two identified tasks finish at the same time, but are not linked to start at the same time.
Blank = Task has no dependency
Lag = Additional days can be added for reserve to ensure project stays on schedule.

6. Deliverables

Deliverables specified for the project include:

(i)   Quality Plan
(ii)   Project Progress Report
(iii)   Project Vision and Scope
(iv)   Software Requirements Documentation
(v)   Project Statement at Work
(vi)   Change Management Plan

All project deliverables (the Quality Plan itself, interim reports, progress reports, final reports, publications, maps, data, etc.) should be listed here (and numbered appropriately).

7. Review of Quality Plan

The quality plan will be reviewed every week and will be updated as needed.

8. Document and Record Control

Project documents, records and data will be controlled and stored in GitHub (www.GitHub.com), Planner and Projects Wiki (www.projects2.apc.edu.ph/wiki).   All completed documents relating to the project will be book bound at the end of this course. A compact disc will contains a soft copy of all the documentation.

The Quality Plan, Change Management Plan, Vision and Scope Document, Software Requirement Specification, Statement of Work will be issued to all members of the project team.

Project Progress Reports will be issued to the following:

Prof. Manual Sebastian Sanchez

Prof. Jacob Catayoc

9. Documented Procedures

All documentation created for this project is recorded in in GitHub (www.github.com), Planner (Onenote.com), Trello (www.trello.com) and Projects Wiki (www.projects2.apc.edu.ph/wiki). All data gathered for this project came from internet and from interviews and survey made with the client. Other documentations are also from our project advisers, project consultant and class adviser. All pertinent documentation are reviewed every week by the professors.

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