Curtin University – Department of Computing

Assignment Cover Sheet / Declaration of Originality

Complete this form if/as directed by your unit coordinator, lecturer or the assignment specification.

Last name:	Wijekoon	Student ID:	19735155
Other name(s):	Mudiyanselage Poornami Kaushala		
Unit name:	Capstone Computing Project 1	Unit ID:	ISAD3000
Lecturer / unit coordinator:	Dr Hannes Herrmann	Tutor:	Ms Geethanjali Wimalarathne
Date of submission:	04/04/2019	Which assignment?	Sprint Report One (Leave blank if the unit has only one assignment.)

I declare that:

- The above information is complete and accurate.
- The work I am submitting is *entirely my own*, except where clearly indicated otherwise and correctly referenced.
- I have taken (and will continue to take) all reasonable steps to ensure my work is *not accessible* to any other students who may gain unfair advantage from it.
- I have *not previously submitted* this work for any other unit, whether at Curtin University or elsewhere, or for prior attempts at this unit, except where clearly indicated otherwise.

I understand that:

- Plagiarism and collusion are dishonest, and unfair to all other students.
- Detection of plagiarism and collusion may be done manually or by using tools (such as Turnitin).
- If I plagiarise or collude, I risk failing the unit with a grade of ANN ("Result Annulled due to Academic Misconduct"), which will remain permanently on my academic record. I also risk termination from my course and other penalties.

- Even with correct referencing, my submission will only be marked according to what I have done myself, specifically for this assessment. I cannot re-use the work of others, or my own previously submitted work, in order to fulfil the assessment requirements.
- It is my responsibility to ensure that my submission is complete, correct and not corrupted.

Signature: Poornami Wijekoon Date of signature: 04 th of April 2019

(By submitting this form, you indicate that you agree with all the above text.)

Property Management System

Sprint Report One

Capstone Computing Project 1(Semester 1 2019 Sri Lanka Inst Info Tech)

Group No - SD07

Submitted by:

IT17071208 - 19735155 - (W.M.P.K.Wijekoon)

4th of April 2019

Table of Contents

Progress Report

Sprint One	15th March 2019 – 31st March 2019

Tasks Completed

Task One – SRS Document [Software Requirement Specification]

Task Two – TA Draft [Task Allocation]

Task Three – Gathering Requirements

Tasks Planned

Task Four – Making of Interfaces

Difficulties

I have noted down the difficulties in Sprint Restrospective

Tasks Breakdown

Task One

Estimated Time ： 6 Hours

Actual Time ： 10 Hours

Actual Time (This Sprint) ： 16 Hours

Description

Making of the SRS [Software Requirement Specification].

Implementation

Our SRS [Software Requirement Specification] document gives a complete description and overview of our project ‘Property Management System’. Our project consists of six main functionalities.They are Bookmark and Save , Review and Commenting , Booking Management , Map Management , Searching and Preferences Management and Front – End Management.This document gives an idea about the purpose and the scope of our project as well as the system.Also our SRS defines about the functional requirements , non – functional requirements , constraints , verification , extensions and appendix.

Introduction and Appendix of the project are the parts I was responsible for in our SRS.Introduction consists of three sub units ; Purpose , Intended Audience and Reading Suggestions and Project Scope.Purpose defines the reason we are implementing this system.And Intended Audience and Reading Suggestions defines the users our SRS is intended for.Project Scope defines the goal of our system.It also specifies the characteristics of services that will be provided by the system and the advantages we get from this system.The overall introduction gives an idea about how the properties are managed by our Property Management System.

In the Appendix I have included a System Diagram and a Function Diagram in order to visualize our system functions and to emphasize the connections between system and the actors related to our system.

Figure One

8. APPENDIX

Figure 8.1 : System Diagram

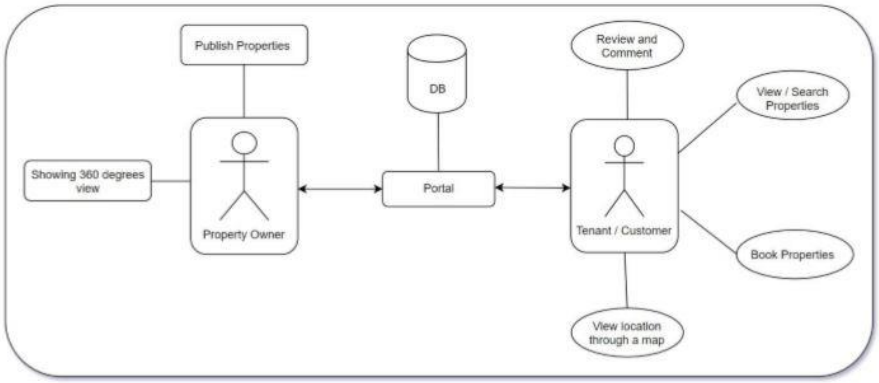


Figure Two

Figure 8.2 : Function Diagram

Task Two

Estimated Time ： 4 Hours

Actual Time ： 3 Hours

Actual Time (This Sprint) ： 3 Hours

Description

Making of the Task Allocation Document

Implementation

Task Allocation Draft is a record of our responsibilities, work for the system. For that we divided our work into several tasks.And we recorded down the priority, start and date, completion status, estimated hours, actual hours and description of the tasks.Through making this document we could identify our individual responsibilities.Also it helped us to allocate and manage out time for each task.

Figure One

PROJECT TASK LIST

Project Start: 25/2/2019 | Totals: Est. Hours 280 | Act. Hours 39

TASK ID	TASK NAME	PRIORITY	START	END	% COMPLETE	DONE	EST. HOURS	ACTUAL HOURS	TASK DESCRIPTION
PROPERTY MANAGEMENT SYSTEM									
Task 1	Preparing resume and application	MEDIUM	25/2/2019	4/3/2019	100%	✓	9	8	Submitting resume and cover letter
Task 2	Preparing draft SRS	HIGH	5/3/2019	15/3/2019	100%	✓	18	16	Meeting the client & Submitting draft SRS
Task 3	Preparing draft allocation	HIGH	16/3/2019	18/3/2019	100%	✓	16	15	Discussing the system function and deciding the scope
Task 4	Preparing sprint report 1	MEDIUM	19/3/2019	1/4/2019	0%		17		Discussing about the software modification with client
Task 5	Learning and using Bitbucket & GIT for the project	MEDIUM	1/4/2019	7/4/2019	0%		25		Creating Bitbucket & GIT account
Task 6	Preparing final SRS	HIGH	2/4/2019	8/4/2019	0%		20		Finalizing the SRS document by coming into an agreement with the client
Task 7	Preparing final draft allocation	HIGH	9/4/2019	15/4/2019	0%		18		Finalizing the task allocation document using all the functions of the system
Task 8	Preparing sprint report 2	MEDIUM	16/4/2019	22/4/2019	0%		19		Meeting the client and discussing the progress of the project
Task 9	Functional analysis and designing UI	HIGH	17/4/2019	23/4/2019	0%		36		Designing UI using functional requirements of the client
Task 10	Designing usecase,class and system diagrams	HIGH	18/4/2019	24/4/2019	0%		21		Designing and drawing diagrams
Task 11	Designing database and backend design	HIGH	19/4/2019	25/4/2019	0%		21		Drawing ER diagrams
Task 12	Preparing sprint report 3	MEDIUM	23/4/2019	13/5/2019	0%		20		Meeting the client and finalizing the project design
Task 13	Preparing final presentation	HIGH	14/5/2019	27/5/2019	0%		20		Preparing the presentation by summarizing all the tasks
Task 14	Preparing sprint report 4	HIGH	28/5/2019	3/6/2019	0%		20		Meeting the client and finalizing whether the project meets the client expectations

Task Three

Estimated Time ： 6 Hours

Actual Time ： 4 Hours

Actual Time (This Sprint) ： 3 Hours

Description

Searching and refering of the details about our project ‘Property management System’ and the functions of the system.

Implementation

Firstly we gathered information about how a property management system works.For that I went through several websites and got an idea the system.In between gathering information we had several group meetings to discuss the progress of the project , the details we found about the system and about the functions we are going to implement.After discussing all these matters we decided the functions we are going to implement according to our project scope.

I chose Booking Management function to implement.I did a small search on Booking management of Property Management System.This includes managing the bookings of properties like hotels , apartments and etc…This function allows the user to book properties online and it shows availability of the property.Also it handles check-ins, check-outs, room transfers.The difference between a normal booking system and the booking management of our property management system is that the bookings can be handled from one site with a completely merged system.

References

Available at: [online] https://www.allpropertymanagement.com/resources/faq/what-is-a-propertymanagement-system/ [Accessed 8 March 2019]

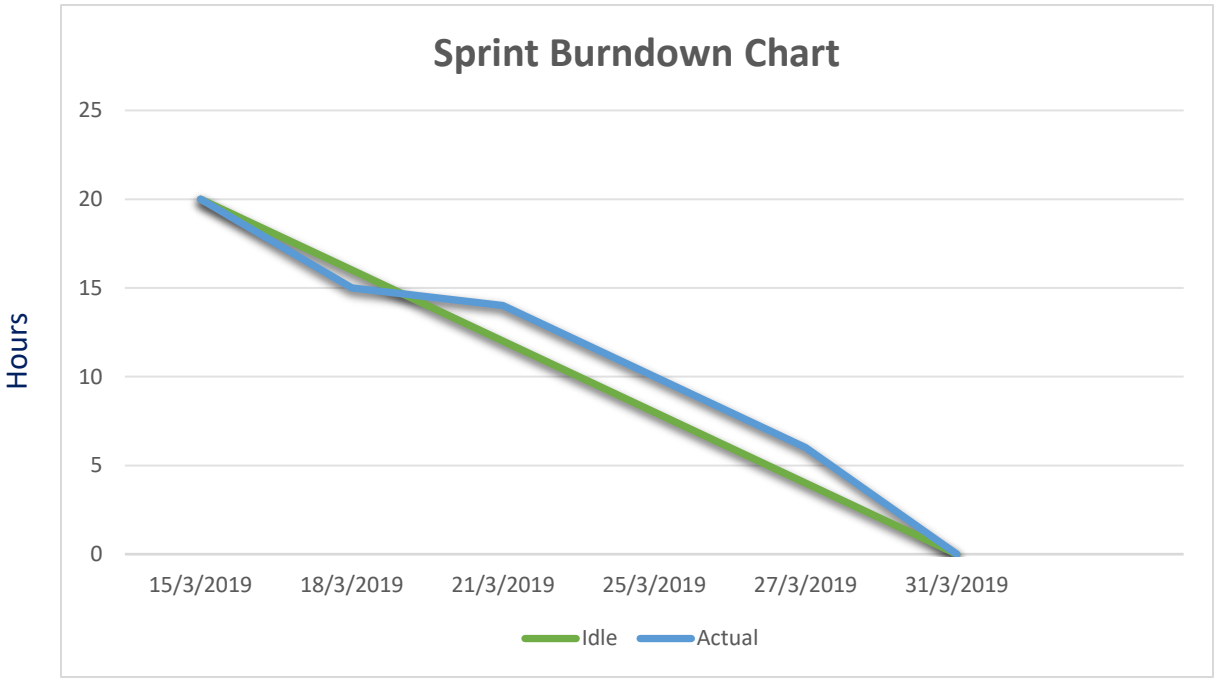
Available at: [online] https://headchannel.co.uk/7-benefits-of-using-property-managementsoftware-321 [Accessed 8 March 2019]

Development Methodology

Mintues

There was one meeting with our client Mr.Dammika De Silva [Senior Lecturer at SLIIT] on 11th of March 2019.During the meeting we handed over our Software Requirement Specification Document.After reading the document client gave a feedback on our document and said that our scope was not enough.He mentioned how we can expand our scope.We jotted down the points he said and expanded our project scope.After our first meeting we contacted our client through emails and calls and said him about the progress of our project.

Burndown Chart



Sprint Retrospective

Estimated Time : 4 Hours

Actual Time : 4 Hours

Actual Time (this sprint) : ~0.6 Hours

Description

Reflection on the sprint retrospective.

What went well during the sprint?

What went wrong during the sprint?

What could we do differently to improve?

We could fulfil most of the tasks we planned to do during this sprint.But there were some issues that we had to face.After meeting with our client , he requested to add new functions to our project mentioning that our scope was not big enough.Hence we had to change our functions in order to expand our scope.Also However we could finish our SRS [Software Requirement Specification] and TA [Task Allocation] document more successfully than expected.Our Client gave us a great support to do our project.

We could have implented our function interfaces as well.But couldn’t achieve that target as we changed our project content in the middle.Also I felt that it would be better if we could describe more about functional and non-functional requirements in the SRS[Software Requirement Specification].

Task Summary

Estimated Time : 26 Hours

Actual Time : 28 Hours

Actual Time (this sprint) : ~2.5 Hours

Description

During this sprint I created a Curriculam Vitae and a cover letter including my details ; education, personal details, experiences on the IT filed, extra curricular activities, etc….After that I was appointed to a group and got a topic for the project.My project is Property management System.Then I discussed about the project with my group members.After that we had a meeting with our client.Then considering the facts we got from the client and other rsources, we created our SRS[Software Requirement Specification] document.It includes an introduction , functional requirements , non-functional requirements , constraints and etc….And then as the final task for this we created a Task Allocation Document breaking our work into several tasks and searched for details about the function I'm responsible for.

Time Management

Sub Task	Actual Time	Estimated Time
Task One	10	6
Task Two	3	4
Task Three	4	6