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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.

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Unit name:	Capstone Computing Project 1	Unit ID:	ISAD3000
Lecturer / unit coordinator:	Dr Hannes Herrmann	Tutor:	Ms Geethanjali
Date of submission:	4th April 2019	Which assignment?	Sprint Report 1

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.

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- 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: *Kasundi Maneesha* Date of Signature: 4th April 2019

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

Property Management System

Sprint Report 1

Capstone Computing Project 1-SD 07

Semester 1,2019

Submitted by:

19735171 - K.M.WICKRAMAARACHCHI

Table of Contents

1.Progress Report

Sprint 1

4th March 2019 - 17th March 2019

1.1 Tasks Completed

Task 37 – Software Requirements Specification Document
Task 52 – Task Allocation Document
Task 63 – Finding details for Review and Commenting Function

1.2 Tasks Planned

Task 15 – Creating interface for Review and Commenting Function

1.3 Difficulties

There are some more problems arised while making the SRS document. We had to expand project scope due to some mistakes and lack of contents. And there are some issues with, that we are building mobile app for this project or not. Finally we came to a decision that we are not going to making a mobile app for this project, but we are developing mobile responsive project. Not only that but also we had to face some problems when we are defining functional requirements for our project.

2.Task Breakdown

2.1Task 37

Estimated Time: 18 Hours

Actual Time: 20 Hours

Actual Time(this sprint): ~10 Hours

Description

The software requirement specification document contains features and behavior of this property management system & its software application.

Implementation

In SRS document, we include introduction, system, functional requirements, non functional requirements, constraints, verifications, extensions on it.

Introduction[1] section consists of purpose, intended audience and reading suggestions, project scope and references.

Functional requirements[2] specifies the organization of requirements at the highest level.

Non-functional requirements[2] defines the technical environment that the product needs to operate in and include technical constraints.

Constraints section will outline the limitations of this project.

We include function diagram at the end of the SRS to facilitate our functions in the system.

[1]Available at: [online] https://tejalal.files.wordpress.com/2015/09/atm-srs.pdf
[Accessed 5 March 2019]

[2] Available at: [online]https://www.inflectra.com/ideas/topic/requirements-definition.aspx
[Accessed 28 March 2019]

2.2Task 52

Estimated Time: 16 Hours

Actual Time: 15 Hours

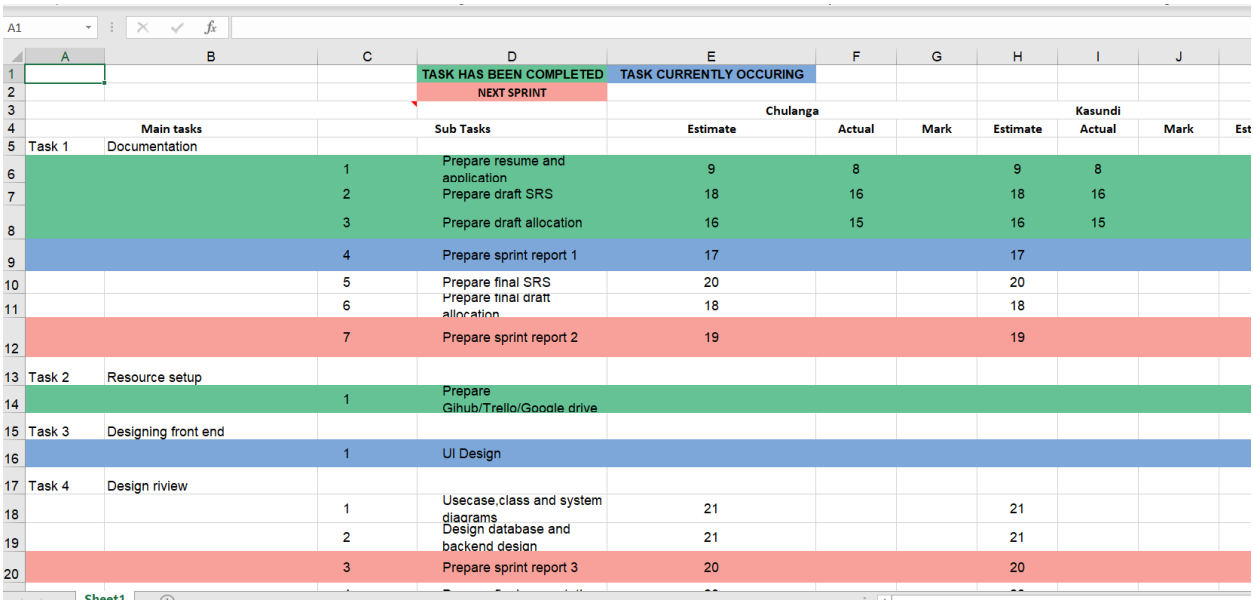
Actual Time(this sprint): ~11 Hours

Description

Task Allocation document shows the way that the tasks allocate and tasks divided to the whole project duration.

Implementation

In TA document, we include main tasks of the whole project and sub tasks of each task. There is estimated time and actual time for each task. We estimated time that needed to complete each task. We take the full scope of the project and tracked time for each task. In some tasks actual time is not fairly same to the estimated time due to some consequences. This picture shows the part of the Task Allocation document of our project.



	A	B	C	D	E	F	G	H	I	J
1				TASK HAS BEEN COMPLETED	TASK CURRENTLY OCCURING					
2				NEXT SPRINT						
3					Chulanga			Kasundi		
4	Main tasks			Sub Tasks	Estimate	Actual	Mark	Estimate	Actual	Mark
5	Task 1	Documentation								
6			1	Prepare resume and application	9	8		9	8	
7			2	Prepare draft SRS	18	16		18	16	
8			3	Prepare draft allocation	16	15		16	15	
9			4	Prepare sprint report 1	17			17		
10			5	Prepare final SRS	20			20		
11			6	Prepare final draft allocation	18			18		
12			7	Prepare sprint report 2	19			19		
13	Task 2	Resource setup								
14			1	Prepare Github/Trello/Google drive						
15	Task 3	Designing front end								
16			1	UI Design						
17	Task 4	Design riview								
18			1	Usecase,class and system diagrams	21			21		
19			2	Design database and backend design	21			21		
20			3	Prepare sprint report 3	20			20		

2.3Task 63

Estimated Time: 15 Hours

Actual Time: 10 Hours

Actual Time(this sprint): ~10 Hours

Description

Regarding to the Property Management System, available functions are Front end management, Bookmark and save, Review and commenting, Booking Management, Searching and preferences management.

I had to implement Review and commenting function in this system.

Implementation

Before implementing my function, I had to take an overall idea about property management system[3]. This software is designed for a residential or commercial property management. This system used to manage single or multiple properties. I searched about benefits[4] of this project to make my function more efficiently. From this project users can get real time information with improved communication. Also they are able to do online payments for their properties. I gathered these information and got clear idea about overall project and my function. Customers can give their ideas, suggestions about the system from this function. They can rate the service provided and can recommend this system to others using this.

[3]Available at: [online] https://www.allpropertymanagement.com/resources/faq/what-is-a-property-management-system/ [Accessed 6 March 2019]

[4]Available at: [online] https://headchannel.co.uk/7-benefits-of-using-property-management-software-321 [Accessed 14 March 2019]

3.Development Methodology

3.1 Minutes

20190311 – Sprint 1 review meeting Minutes

There was one meeting with the client during this sprint.

That meeting was held on 11th March 2019.

Client: Dammika De Silva

Attendees: Chulanga Averil, Kasundi Maneesha, Poornami Kaushalya, Baratha Aberathna

Start time: 4.40 p.m(SL time).

End time: 5.20 p.m(SL time).

During the meeting we explained our client about what we are doing in our property management system project. We presented our project scope to him. We discussed if any changes need to be made for our project and if we need to add new requirements to it. He said that our scope is not much enough. In order to that he gave some new ideas to us about how we can expand our project scope. Next we show him the sketch of our functions. He said that we can better include a function diagram to our SRS document. He changed some functions of ours and add some more functions and finalized those functions. We give some examples of functional requirements of our project to him. And also explained about benefits of our project. We also show a sketch of our draft SRS and asked him about correction of that. He gave a feedback about our SRS sketch. After that meeting, we contacted our client through phone calls and emails. We tried to update our client about progress of our project at least once a week.

3.2 Burndown Chart

Estimated Time: 10 Hours

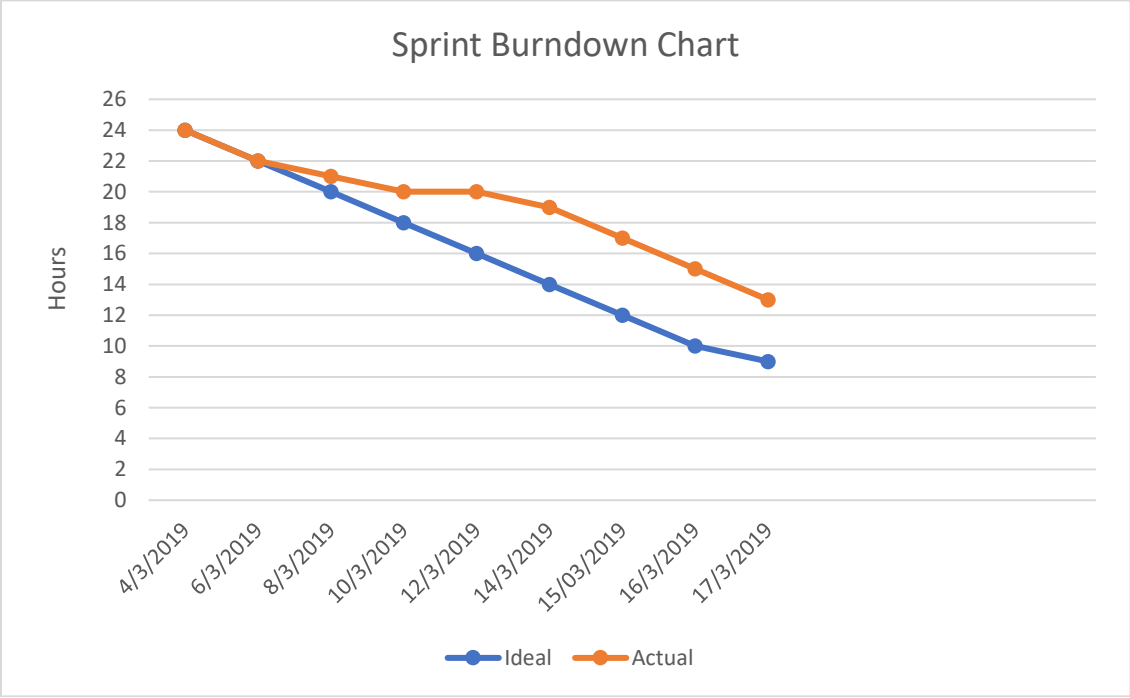
Actual Time: 9 Hours

Actual Time(this sprint): ~5 Hours

Description

Burndown Chart[5] monitoring project progress and tracking team performance. It tracks task completion of our project, as well as the task remaining, within this sprint. It measures completed percentage of tasks on a specific time period within this sprint. We can get an overall idea to plan amount of time which needs in upcoming tasks.

Burndown Chart



[5]Available at: [online] https://hygger.io/blog/understanding-sprint-burndown-chart-scrum-project-management/ [Accessed 25 March 2019]

3.3 Sprint Retrospective

Estimated Time: 8 Hours

Actual Time: 7 Hours

Actual Time(this sprint): ~5 Hours

Description

Reflect and record the sprint retrospective

Sprint Retrospective

What went well during the sprint?

This sprint is fairly well. I was spent some more time to task 37 and move to the task 52 with a little bit delay, but went to the task 63 early in this sprint.
I am overall happy with the results of my tasks 63. Because it also finished early than expected.

What went wrong during the sprint?

There was few problems arised with task 37 and 52. When defining scope and specializing requirements we had to face more difficulties than expected. As a result of that we needed more time than planned. But finally we get better solution for these problems using members ideas.

What could we do differently to improve?

The estimation for task 37 were a little low. In that case we spent some more time to that task than estimated before. We had to change so many contents of that and adding new things. As a result of that tie was bitter longed than expected. We had to improve our searching skills and thinking skills for better performance.

3.4 Task Summary

Estimated Time: 30 Hours

Actual Time: 28 Hours

Actual Time(this sprint): ~5 Hours

Description

Within this sprint there is three major tasks i had done. That main tasks are creating SRS document, TA document and finding details for Review and Commenting function. During the sprint meeting we discussed about these tasks with our client. We completed these tasks using his guidance. And add new requirements which needed. I collect some information regarding to commenting and reviewing function to get some idea about that.

3.5 Time Management

Task	Estimated(This Sprint)	Actual(This Sprint)
37	10	8
52	11	7
63	10	9

3.6 Task Selection

Task 15 has been selected to next sprint. Which is Creating interface for Review and Commenting Function. I hope to create an interface which is compatible to all functional and nonfunctional requirements of this function. Still this is the only task planned to do during the next sprint.