SOFE 3490: Software Project Management

Lab 4

Course Project: 3-D scanning and 3-D Printing

John Paul Polvorosa

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1.0 <u>Risks</u>

1.1 Risk of Short Staff Recruitment Time – This risk might have a moderate risk level due to the short time designated for hiring. Potential problems can occur such as, paper work, thorough interviews and much more.

- **1.1.1 Risk Mitigation Plan –** To minimize the risk of recruitment time, we will **create a user manual** to streamline the procedures within the project. This will enable new staff to be able to be on board at a much quicker time since they will know what exactly they will be doing in their assigned roles.
- **1.1.2 Risk Contingency Plan (countermeasure) –** To counteract this risk, we will hire an agency to help us speed up the process of recruitment. While this may cost additional expenditure, this will ensure that we have a smoother hiring process and try to avoid the risk as much as possible. Additionally, this will also save project managers time and can instead use this time to participate in other project activities and speed up the process.

1.2 Risk of Customer Dissatisfaction – With any given product, there is always a risk of the end-users not liking the final product. This may be due to several reasons. Such as, not liking the user interface, discontent with the product capabilities, unclear instructions, and many more. While there may be some countermeasures that we can put in place so that we can combat these types of dissatisfaction. We cannot always please 100% of our customers, it's just not possible. However, we can minimize this risk and also be able to limit the negative effects of such risk.

- **1.2.1 Risk Mitigation Plan –** We will have a customer feedback & ticketing system to receive complaints in a contained environment. This way, if we get any customer who wants to complain, they will be more likely to send their ticket complaint through our system rather than posting it online or other public platforms. This will minimize the possible damage that a complaint can give whether they are true or not.
- **1.2.2 Risk Contingency Plan (countermeasure) –** In addition to minimizing the risk, we would want to avoid the complaints as much as possible. To do this, we will have a **beta testing time**. In which, we will have a testing phase to limited number of customers who will then provide us any feedback that they might have during the testing phase.

2.0 Project Resources – Staff

2.1 Acquiring Hardware – Computer Engineers

2.1.1 Bob Ross – Will be responsible for Implementing Hardware, working with the software team, and testing.

2.2 Software Related Activities(Implementing, Coding) – Software Team

2.2.1 Team Composition – composed mainly of software engineers, they are responsible for implementing the software together with Bob Ross, their main tasks will be the coding and testing phase of the project.

2.3 Documentation and others – Intern

2.3.1 Warren Buffet Jr. – Warren Buffet Jr. will be responsible for documentation and assisting with different activities throughout the project.

2.4 Project Manager

2.4.1 John Polvorosa – Main responsibilities are to oversee the project, reallocate resources if necessary, and other tasks to ensure that project is on time and on budget.

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
Auto Scheduled	3-D Printing and Scanning	179 days	Fri 3/1/19	Wed 11/6/19		
Manually Scheduled	Staff Recruitment	7 days	Fri 3/1/19	Mon 3/11/19		Project Manager
Manually Scheduled	Acquire Hardware	21 days	Fri 3/1/19	Fri 3/29/19		Bob Ross
Manually Scheduled	Software Implementation	28 days	Fri 3/1/19	Tue 4/9/19		Software Team
Manually Scheduled	Create User Manual	7 days	Tue 4/9/19	Wed 4/17/19		Warren Buffet Jr.
Manually Scheduled	Coding	105 days	Wed 4/17/19	Tue 9/10/19		Software Team
Manually Scheduled	Training	7 days	Tue 9/10/19	Wed 9/18/19		Project Manager
Manually Scheduled	Testing(Beta)	28 days	Wed 9/18/19	Fri 10/25/19		Software Team
Manually Scheduled	Documentation and Finalization	7 days	Fri 10/25/19	Mon 11/4/19		Warren Buffet Jr., Project Manager

Legend:

☐ Working

☐ Nonworking

31 Edited working hours

On this calendar:

31 Exception day

31 Nondefault work week

Click on a day to see its working times:

March 2019

S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	**22**	23
24	25	26	27	28	29	30
31						

March 22, 2019 is nonworking.

Based on:
   Exception 'Holiday' on
   calendar 'Standard'.

Exceptions | Work Weeks

	Name	Start	Finish
1	Holiday	3/22/2019	3/22/2019
2	Labor Day	9/2/2019	9/3/2019

Details...

Delete