GNG1103 Section #B02 Team #B05

Project Deliverable E: Project Schedule and Cost

GNG 1103 – Engineering Design



Introduction

In this project schedule and cost assessment, we will be using our conceptual design created in the previous deliverable, further advancing our concepts and ideas until Design day. Below is a plan for the remaining timeline including the cost summary, risk assessment and Gantt diagram highlighting group milestones.

Plan

The plan that the group will use to ensure the completion of tasks while keeping the high quality of work of design chosen from deliverable D (Hospital Surrounding VR App) is to ensure that each member is given work in the field they are comfortable in to maximize our outcome and to ensure each member is given a fair amount of work.

Name	Task	Start date (MM/DD/YEAR)	Due date (MM/DD/YEAR)	Number of day(s)	
Jeta, Ritaj, Alexander	Prototype outline	10/20/2019	10/30/2019	10 days	
Everyone, Alexander takes notes	Gather information from client	TBD	Due same day as client meeting	1 day	
Juan, David, Béatrice	Code prototype I	10/20/2019	10/31/2019	11 days	
Jeta, Ritaj, Alexander	Prototype II outline	10/31/2019	11/07/2019	7 days	
Everyone, Alexander takes notes	Second meeting with client (gather information)	TBD	Due same day	1 day	

Juan, David, Béatrice	Code prototype II	10/31/2019	11/07/2019	7 days
Jeta, Ritaj, Alexander	Prototype III outline	11/07/2019	11/21/2019	14 days
Everyone, Alexander takes notes	Final meeting with client (final feedback session)	TBD	Due day of client meeting III	1 day
Juan, David, Béatrice	Code prototype III	11/07/2019	11/21/2019	14 days
David, Ritaj, Béatrice	Write pitch for design day	11/21/2019	11/25/2019	4 days
Alexander, Juan, Jeta	Make powerpoint to support pitch	11/21/2019	11/25/2019	4 days

Risk Assessment

Our team does not foresee any significant risks related to the completion of the project, due to the low-risk nature of the development of a software-based platform as opposed to a physical product which may involve more specialized training in safety procedures. Foreseeable risks include software issues like compilation problems and video playback issues.

Cost of Project

Our team is going to use our budget to purchase assets within the Unity application (*Unity asset store*). We are planning on purchasing the *Clinic - Hospital Room* by MIXAILL. The cost for this is \$29.99 USD, this is currently equal to \$39.40 CAD. There is no tax applied to this purchase to consider. This is the only asset we foresee purchasing, therefore our total cost for the project will be roughly \$39.40 CAD.

Gantt Chart

ID Task Mode	e Task Name	Duration	Start	Finish	Predecessors	s		Resource Names		Aug 25, '19 W T F	Sep 15, 19 Oct 6,	19 Oct 27,	19 Nov 17, 19 5 S M	Dec 8, '19 Dec 29,
1	Deliverable & Team Centrast	13 days	Wed 0/4/10	Thu 0/10/10		-		Alexander, Beatrice, David, jeta, J	uan,Ritaj		Alexander,Beat	rice, David, jeta, J	uan,Ritaj	
	Deliverable R. Heads Identification	12 days	weu 9/4/19	Thu 9/19/19		-		Alexander, Beatrice, David, jeta, J	uan,Ritaj		Alexar	der, Beatrice, Da	vid, jeta, Juan, Ritaj	
2	Deliverable B : Needs identification	8 days	FFI 9/20/19	Tue 10/1/19	1	-		Alexander, Beatrice, David, jeta, J	uan,Ritaj		🎽 Alexa	nder, Beatrice, D	avid, jeta, Juan, Ritaj	
3	Deliverable C : Design Criteria	2 days	wed 10/2/19	Thu 10/3/19	2			Alexander, Beatrice, David, jeta, J	uan,Ritaj		*	Alexander, E	Beatrice, David, jeta, J	uan,Ritaj
4	Deliverable D : Conceptual Design	9 days	FH 10/4/19	wed	3			Alexander, Beatrice, David, jeta, J	uan,Ritaj			👗 Alexande	r, Beatrice, David, jeta	a, Juan, Ritaj
3 - 3	Deliverable E : Project plan & cost	2 daysr	THU 10/17/19	Sun 10/20/19	94			Alexander, Beatrice, David, jeta, J	uan,Ritaj			F		
	Deliverable F : Prototype I	9 days	Mon	Thu 10/31/1	.95			Ritaj, jeta, Alexander						
/ 7?	Prototype outline					-		Alexander, Beatrice, David, jeta,	uan,Ritaj					
8 7?	Gather feedback from client							Beatrice, Juan, David						
9 7?	Coding prototype 1		E 1 4 4 4 4 4			-		Alexander, Beatrice, David, jeta, J	uan,Ritaj			-	-	
10	Deliverable G : Prototype II	5 days	Fri 11/1/19	inu 11/7/19	ь	-		Ritaj,jeta,Alexander						
11 7?	Prototype outline					-		Alexander, Beatrice, David, jeta, J	uan,Ritaj					
12 7?	Gather feedback from client					-		Beatrice, David, Juan						
13 7?	Coding prototype 2					-		Alexander, Beatrice, David, jeta,	uan,Ritaj					
14	Deliverable H : Prototype III	10 days	Fri 11/8/19	Thu 11/21/1	9 10	-		Ritai, jeta, Alexander						
15 7?	Prototype outline					-		Alexander, Beatrice, David, jeta,	uan.Ritai					
10 7?	Gather feedback from client							Juan, David, Beatrice						
1/ 7?	Prototyping test plan and results							Juan, David, Beatrice						
10 7?	Coding prototype 3	-				-		Alexander.Beatrice.David.ieta.	uan.Ritai				Tale Ale	exander, Beatrice, David, jet
19 🗶	Deliverable I : Design Day	2 days	Fri 11/22/19	Mon	14			, , , ,						
	Task Split		Inactive Sum Manual Task	nmary 🕅	1	External Tasks External Milestone	\$		Task Split		Inactive Summary Manual Task	1 1	External Tasks External Milestone	\$ •
Designed Designed	Milestone	•	Duration-onl	ly		Deadline	+	Project: Project1.mpp	milestone	*	Duration-only		Deadline	*
Project: Project1	Summary		1 Manual Sum	imary Rollup	_	Progress		Date: Fri 10/18/19	Summary		Manual Summary Rollup		Progress	
Date. 111 10/10/.	Project Summary	-	1 Manual Sum	imary 🗖	1	Manual Progress			Project Summary		Manual Summary		Manual Progress	
	Inactive Task		Start-only	E					Inactive Task		Start-only	C		
	Inactive Milestone		Finish-only	2					Inactive Milestone		Finish-only	2		
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			Page 1											

Conclusion

Ultimately a thoroughly thought out plan and schedule is set in place for the next few prototypes. We plan to assign the following tasks to each individual; prototype outline, gather information from client, Code prototype I, prototype II, second meeting client, and final meeting with client, write pitch, and make powerpoint. No exact date is set for these tasks to be completed. We also plan to have the cost of the project remain within the budget of \$100, that we were given. On that note, we decided to purchase a *Clinic - Hospital Room* by MIXAILL from the Unity asset store. Since this would be the only asset we would be using for the VR application the overall cost of the project would come down to approximately \$39.40.