天主教輔仁大學英國語文學系學士班畢業成果 ENGLISH DEPARTMENT, FU JEN CATHOLIC UNIVERSITY GRADUATION PROJECT 2023

指導教<mark>授:周德</mark>嫌老師 Dr. Lynn Chou

VR Game Design
Viking Age: A Time to Live and Eat

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VEHICLE OF TUDO

SAMETHAS BUNITAS

VERITAR

天主教輔仁大學英國語文學系學士班畢業成果

ENGLISH DEPARTMENT, FU JEN CATHOLIC UNIVERSITY GRADUATION PROJECT 20YY

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Dr. Lynn Chou

Course Title:電腦應用及程式設計

學 生: 陳柏諺

English Name: Ryan Chen

VERITAS

PULCHBITUDO

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VER/TAS

Title: Viking Age A Time to Live and Drink

Name:陳柏諺 Ryan Chen

ID: 408110089

Introduction

(Please briefly talk about the background of the project, your motivation of designing this project, and the objectives of it).

For the Mozilla Hub, we hope to create a game that backs to the Viking age and specifically focuses on the food they eat, the beverage they drink, and the environment they live. The motivation for us to do this topic is derived from a text from Beowulf that inspired us to create our scene, "Then a bench was cleared in that banquet hall So that Geats could have room to be together and the party say, proud in their bearing Strong and stalwart. An attendant stood by with a decorated pitcher, pouring bright Helpings of mead". We build our scene and object based on this kind of atmosphere. For our objectives of this game, we hope that through this 3D model, we can use the image to make our description visualization to give players a deeper and more thorough understanding of Viking farming and food. As for the target users for our game, everyone interested in Viking Age culture, especially agriculture and food, is our target user.

PULCHBITUON

VR Game Design

Student ID: 408110089	Name: Ryan Chen	Group ID: 5
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Topic	Viking Age: A Time to Live and	Teammate(s)	Tina Chang/Tina Wu/ Jimmy			
Торге	Drink		Huang/ Darwin Au			
	The food, drink and the living	Background	Middle Ages			
Theme	environment Vikings had		- W 1			
) Karan					
Target Users	Everyone interested in Viking Age culture, especially agriculture and food.					
W/_	We hope that through this 3D mode	l, we can use the	image to make our description			
Objectives	visualization to give players a deeper and more thorough understanding of Viking					
Objectives	farming and food.					
W D	THE	arrange (
Character(s)	The players	CT 300	3- N. W.			
AV 1 10.	Plot I.	11 11				
AL.	1. The players enter the farmland	2011	02 4 1 1			
m 1 1	2. The players wander the farmland to look out for the ingredients which can be used					
	for making food.					
	3. The players enter the longhouse through links					
1	4. After entering the longhouse, the players will see bread, porridge, mead, cider, and					
100	pickled herring on the table which were made from the ingredients they have just					
Plot	seen on the farmland.					
1	Plot II.					
	1. The players enter the longhouse					
	2. After entering the longhouse, the players will see bread, porridge, mead, cider, and					
	pickled herring on the table					
	3. The players click the link to the					
	4. The player wanders the farmland to find the ingredients that could turn into food					
	in the longhouse.					
	The players can freely wander the fa					
10.000	the two scenes, our group collected the 3D objects from Sketchfab, images, pictures					
7 P	from Google pictures, and descriptive words from our Storymaps assignment to make					
Game Play	our audience have a deeper understanding of these Viking cultures. After they					
and mechanics	comprehend knowledge, we also design two worksheets to make them verify whether					
	they have understood the content.					

Storyboard

Scene	Image	2 Story board	Sound		
250115	Screen shot	Description	Narration/		
		2 compared	Sound effect/		
			Background music		
Path A		The players will enter the	No sound effect		
1-4	This is the other place where we get food. Find the object	farmland to hunt for food,	2 0 .		
	that can be our food.	and we hope the players			
4		will seek herrings first.	- CO-1		
		至 王 即	-/1		
		五人五			
The state of			7 - 10		
			B.107		
Path A	The same of the same of the same	The players will enter the	+ 114		
2-4		farmland to hunt for food,	- 0 0		
70.1	This is the place where we make our drink.	and in this section, we	- W		
		hope the players can find	0 + 1 1		
1		out barely which could			
79.1		make mead, cider,	A 7-		
		porridge, and bread.	* A VIII		
Path A	^	After finding out all the	10 700		
3-4	This is the village the Viking lived!!	food, the players will walk	4 1/		
		into the Viking village and	B XASP		
		take a look at what it			
		looks like. Then the users			
		will enter the longhouse.			
			500		
Path A		After entering the			
4-4	Come and Dine in the Longhouse!!! Guess which ingredients we have just seen make the food on the table?	longhouse, the players	5		
		will see bread, porridge,			
1.54		mead, cider, and pickled	ITAS >		
33		herring on the table which	1		
1		were made from the	7-4		
		ingredients they have just			
		seen on the farmland.			

Path B 1-3 Go to a longhouse	The players will start at the village and they could choose to go to the longhouse first.
Path B 2-3 Search what is on the table and answer questions on the worksheet about Viking food and agriculture	After entering the longhouse, the users could find the food and drink, bread, porridge, herring, mead, and cider, the Vikings usually eat.
Path B 3-3 Take a look at agriculture and answering questions on the worksheet about Viking agriculture	After leaving the longhouse, the users will go to the farmland and can find the ingredients that could turn into food in the longhouse.

VERITAS

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PULCHBITUDO

QC Checklist

Student ID Name: Group ID:

No.	Item	Module	Result			Decision
			Pass	Minor	Major	Pass/Hold
			100	issue	issue	
1	(e.g.)When look answer 3 questions correctly,					
	jump to scene 2		_		W .	
	11 /4 1			- "	7	
	A COLUMN				-	
	旧丰					
	10 50	1		- 7.1		111
	*					///



Programming Journal

- Articulate your thoughts
- Free up your mind and improve your concentration.
- Records the history of your progress and development

Date: 2022/6/14 Student ID: 408110089 Group ID: 408110089

1. Project goal/scope.

We hope that through our Mozilla hub these two 3D scenes can help the people who are interested in Viking culture can have a more vivid and concrete image of it. Therefore, we created their living environment, food, and drink for their ages. To make the Mozilla hub functional, we distribute our content into two scenes, one is farmland, and another is the longhouse. On the farmland, we put herrings, crops, and so forth these food ingredients Vikings made for food. On the longhouse, we put the food made from these ingredients like porridge, bread, herring, mead, and cider. On top of that, we build our scene based on the description from Beowulf.

2. My task(s)

I am responsible for designing one of the paths' storyboards from the village to the farmland. On top of that, I also lead the discussion to make our group on the right track and in a good atmosphere. Moreover, I also offer some of my ideas and opinions, and some of them have been adopted into our final product. Lastly, I have provided the information and 3D object I have made in the Storymap and Jigspace.

3. Progress.

#.	Task description	Done
1.	Choose the topics of the final project	4/25
2.	Discussion for the two flowcharts and two storyboards for the two paths	5/30
	in the final project	
3.	Finish two flowcharts for the two paths in the final project	6/6
4.	Finish two storyboards for the two paths in the final project.	6/6
5.	Discussion for the handout	6/6
6.	Discussion for the objects we need in the two scenes in the final project	6/8
7.	Finish the handouts for the target users	6/10
8.	Finish the two scenes for the final project	6/13
9.	Give a presentation for our final project	6/13
10.	Finish the LOD Report Document	6/25

4. Problem solving solutions

#	Problem encountered	Solution(s) tried/ other possible solutions	
1.	Problem of co-editing: Story Maps and Jig Space (O)→failed Mozilla Hubs (X)	 Use the same account and take turns to finish the responsible part to complete the entire project. Distribute work properly 	
2.	Problem rose from distance learning: malfunctional devices /technical problems→ inefficient discussion	 Discuss with teams and line Communicate with group members more frequently 	
3.	Familiarity of the Tools We Use: Unfamiliar with the virtual-world- creating platform such as Mozilla spoke	 Watch Youtube teaching video Ask for group members and teacher's help 	
4.	Technical Problems: The avatars created and uploaded by ourselves failed to appear on the scene in Mozilla Hubs.	 Ask for group members and professor's help Tried distinct avatar 	
5.	Too Much to Add: The limitation to the size of the project make us need to cut down on the amount of 3D objects we planned to use.	 Create two scenes Keep the most important objects and delete the least important decorative objects. 	

5. Lesson(s) learned.

a. From trial and error(Detail)

During the entire semester, Mozilla's spoke frustrated me the most. I have spent a lot of time on it, but I just can not make it present in a correct and logical order to achieve the effect I hope to present. Luckily, I have a bunch of good team members, they are always willing to listen to my problem and teach me to step by step. Eventually, with Youtube videos and their help I have learned most of the basic functions and successfully make what I hope to present.

b. From team member(s)(Detail)

From my group members, I learned the importance of teamwork. In our group, some of them are good at using these technology tools, some of them are good at providing ideas and opinions, and some of them are good at art design. Each of us has our strengths, and if we face any difficulties, we just throw a question to our line group and everyone will do their utmost to solve it together.

Consequently, after the collaboration this semester, we knew each other even more.

c. From other team(s)(Detail)

From the other group, I found that every one of them has their unique ideas and the way to design, which makes me learn a lot. Among all the groups, one of them presents it in a museum made the question on the wall and the specialty of Viking as the showpiece impress me the most. I think this is an interesting way to present it and I love it so much.

6. Most impressive conversation/ event.

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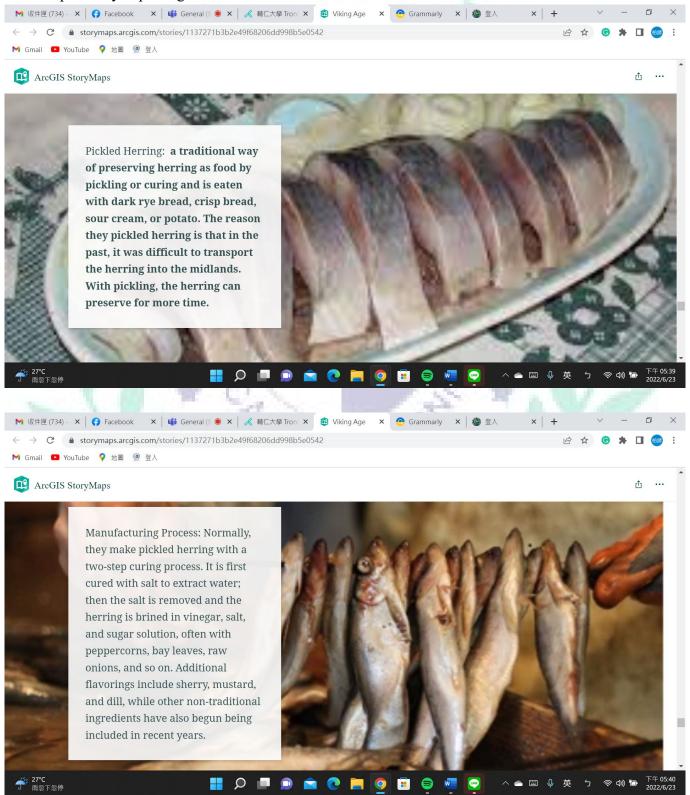
To me, the most impressive conversation is that we hope to create a matching game in our scene.

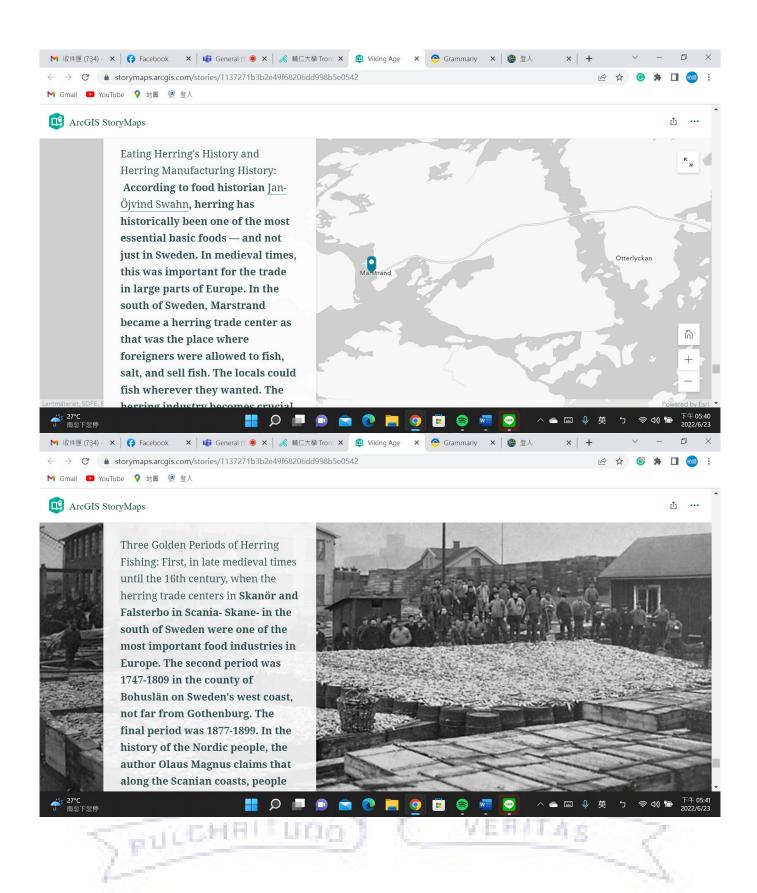
However, after a discussion with Professor Lynn, we found that is not feasible. Therefore, we have a new idea to make our game into the worksheet form to reach the same effect we hope to bring to the audience.

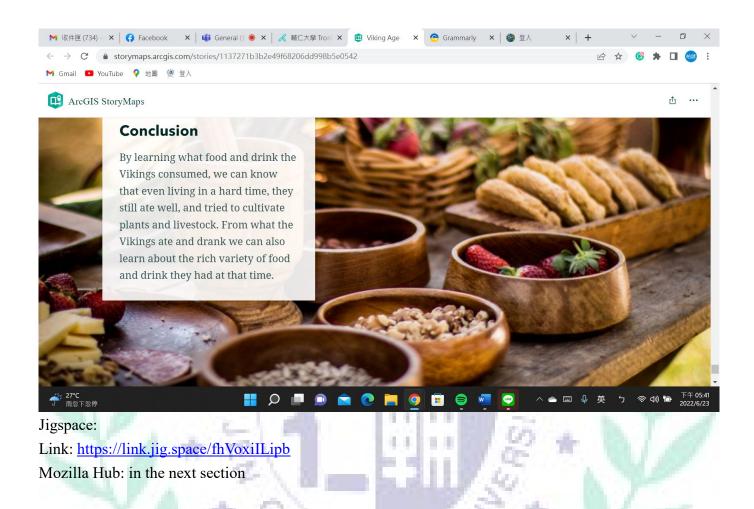
Your work including Storymap, Jigspace, and Mozilla hubs. Please screen capture your work and give brief description.

Storymaps:

Link: https://storymaps.arcgis.com/stories/1137271b3b2e49f68206dd998b5e0542





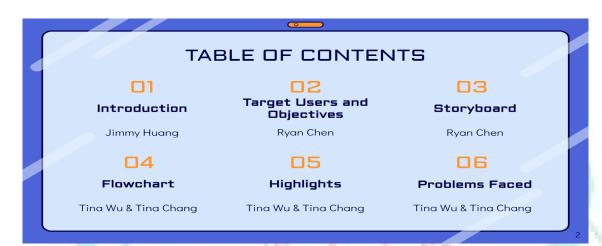


Final presentation PPT

Link:

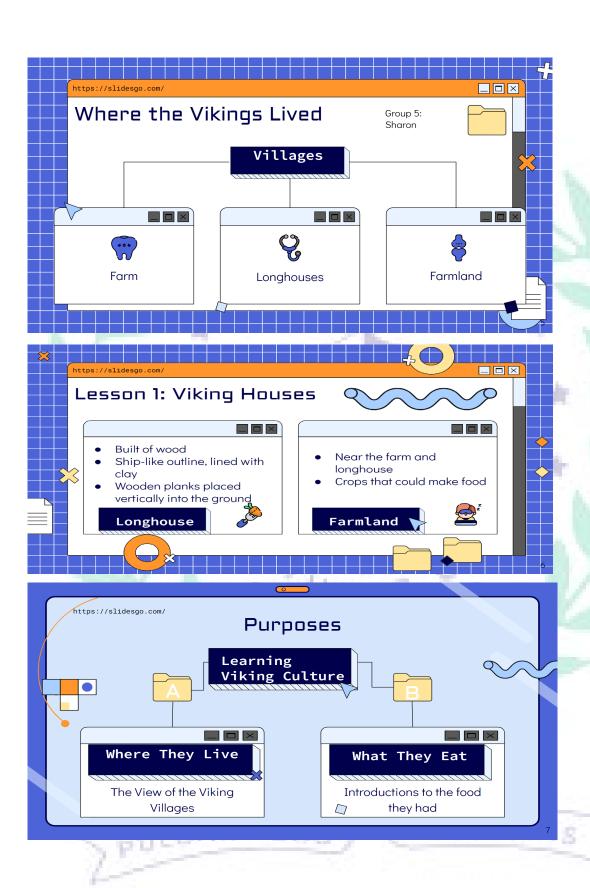
https://docs.google.com/presentation/d/1fvuH5TIBvJUZ3ZIORJ7io2Lbyyw8qYc_28CCvztoIdU/edit?usp=sharing













Target Users

Everyone interested in Viking Age culture, especially agriculture and food, is our target user.

Objectives

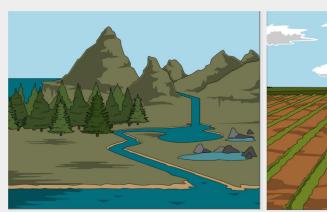
We hope that through this 3D model, we can use the image to make our description visualization to give players a deeper and more thorough understanding of Viking farming and food.



First Path: The Longhouse→The Farm

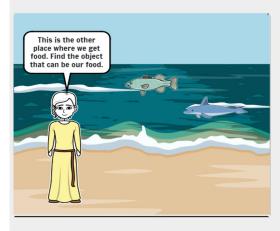


Second Path:The Farm→The Longhouse





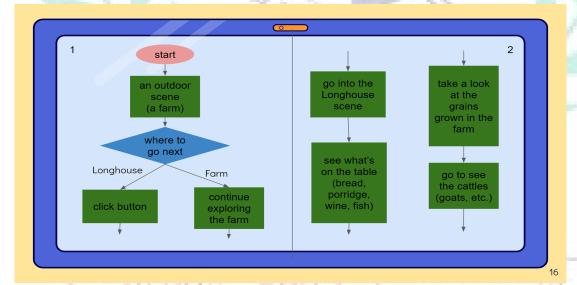
Second Path:The Farm \rightarrow The Longhouse

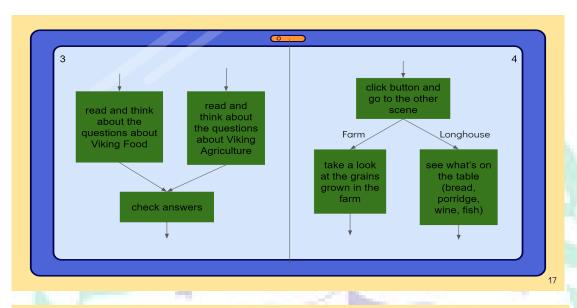


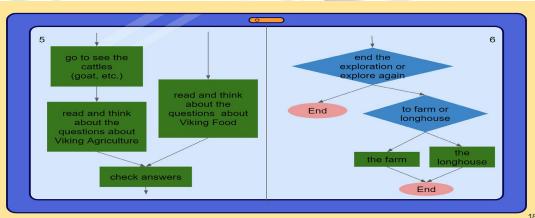




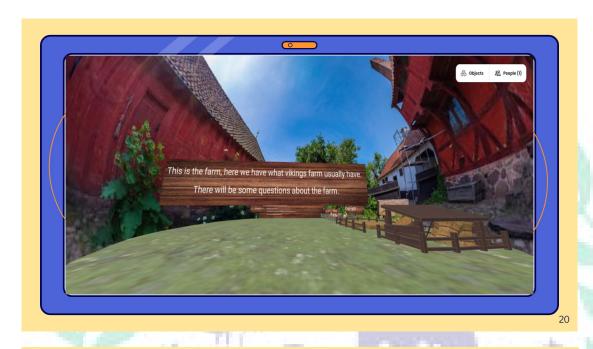














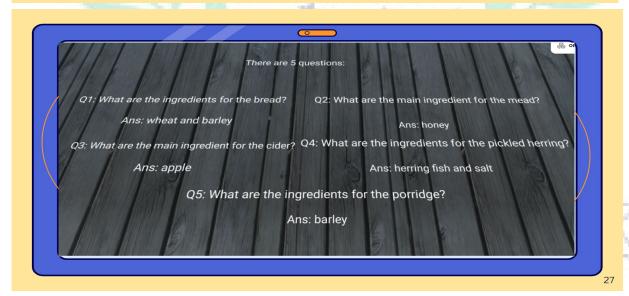














Highlights of the Project



1. Two Scenes

Farm, longhouse

3. 3D Objects & Images

Clearly demonstrate Viking culture

2. Clear Instructions

Location, descriptions of objects

4. Q & A Section

Help players understand the Viking culture



Difficulties We Encountered

1. Problem rose from distance learning:

malfunctional devices / technical problems \rightarrow inefficient discussion

2. Problem of co-editing:

Story Maps and Jig Space (O) \rightarrow failed Mozilla Hubs (X)

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Difficulties We Encounter

3. Familiarity of the Tools We Use:

Unfamiliar with the virtual-world-creating platform such as Mozilla spoke

4. Technical Problems:

The avatars created and uploaded by ourselves failed to appear on the scene in Mozilla Hubs.

5. Too Much To Add:

The limitation to the size of the project make us need to cut down on the amount of 3D objects we planned to use.

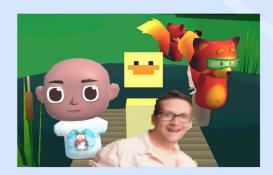
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Task Distribution

Mozilla Hubs-- Darwin Au

Flowchart—— Tina Wu, Tina Chang

Storyboard—Jimmy Huang, Ryan Chen



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en.natmus.dk/historical-knowledge/denmark/prehistoric-period-until-1050-ad/th
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THANK YOU

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Reflection and future study

Through the training from this semester, I am more acquainted with distinct tools, and these tools can be utilized on many different occasions. For instance, in the future, I may use to storymaps to replace PowerPoint to do the presentation. On top of that, the training of this course has largely increased my computer skills and can be quite helpful for my future career.

Reference

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"What Did Vikings Eat? The Diet of Conquerors." History on the net, www.historyonthenet.com/what-did-vikings-eat.