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 2021

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Applied Computer Technology and Programming: Hanukkah Traditions

HOL

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NERVICE

SANCTITAS BONITAS

PHILCHINTUOD

Interactive mini Game Design

Student ID: 4061	10073 Name: Shona Song	Group ID:	Hanukkah Traditions		
Торіс	Hanukkah Traditions (Dreidels)	Teammate(s)	Scarlett Fang 405110777 方芷涵		
			Jenny Kuo 406110750 郭蟬葳		
Theme	Hanukkah Traditions (Dreidels)	Location			
Target Users	College students & People who are in	nterested in Jew	ish culture / Hanukkah traditions		
Purpose	To promote the Jewish culture and Ha To strengthen cross-cultural commun				
	Most importantly— Have fun with te	chnology!			
	Scene 1: Hamsa / prayers / Star of Da	avid / Hanukkia	h /dreidels		
Character(s)	Scene 2: Two prophets				
Character(s)	Scene 3: A modern family				
	Scene 4: A modern family				
	Scene 1:				
	1. Hamsa's self-introduction & introd	luce three custo	ms:		
	People gathered at the western wall, t	through convers	sations between the characters, the		
	history and information of this place	is introduced. A	udience can click on "Hamsa" to		
	choose what activity they want to play, such as lighting the hanukkiah, introducing the				
	dreidels and learning more about the	Western Wall.			
	2. Question Panel:				
	1) Light the Hanukkiah				
	The audience can light the Hanukk	tiah by clicking	on the bottom of the Hanukkiah.		
	Subsequently, the prayers will intro	oduce the rules	of lighting the Hanukkiah to the		
	audience.				
Plot	2) Know more about the dreidel				
	<i>′</i>	rate Hannukah.	At first, a spinning dreidel will		
			-		
	to find out what the four sides of th				
	miracle happened here" will be ma	gnified from fa	r to near. At last, the viewers will		
		-			
	while people say "a great miracle happened there" outside Israel.				
		11			
	3) Know more about the Western Wall				
	The interactive dialogues among the prayers are designed to introduce the				
			•		
Plot	miracle happened here" will be masee the further explanation that peowhile people say "a great miracle h3) Know more about the Western W	r pictures repres ce can click on o l. Next, viewers ne dreidel mean agnified from fa ople say "a grea nappened there" Wall ne prayers are do	senting four sides of dreidels will each image to explore the can click on "Happy Hanukkah" when combined. The text "A r to near. At last, the viewers will t miracle happened here" in Israel, outside Israel.		

designed this part to let the viewers understand why I chose the Western Wall as my main visual design in the AI game.

Scene 2:

The dialogues between the two prophets are designed to introduce the origins of the Herod's Temple. This setting allows the audience to travel back in time to visit the Herod's Temple in person to learn the origin of the Western Wall. By reproducing this architecture, the audience can feel the grandeur and sacredness of this sacred architecture.

Scene 3: In the third since, the boy says, welcome back to the 21st century, then audiences can watch TV and explore the room. While click on the TV, it will ask question "Do you want to watch?", then by answering "Yes", audiences can watch an interesting video. Move on, while exploring the room, they will see a plant with coding to grow. Then, by following the instruction of the boy, audiences can click on the characters to see the conversations

Scene 4:

The character will ask questions about the tradition of lighting the hanukkiah and explain the right order to light the hannukiah in order to teach the audience the right order of lighting hanukkiah.

Dimensions of the interactive story design framework (multimedia, interface, education, cultural), or game elements (motivational, interactive, fun, multimedia). E.g. Challenges/ Activities/ Rewards/ Progression/ Game rules/ Skills

Scene 1:

Multimedia: Jewish Holiday Songs. Maoz Tzur (Rock of Ages) - Hanukkah Songs.
 <u>https://youtu.be/KgFyCPs2XmE</u>

Game Play and mechanics
2) Interactive: allow the audience to click on the bottom to light the Hanukkiah
3) Interactive, fun & educational: allow the viewers to click on the dreidel to learn its meaning; By clicking on the "Happy Hannukah", and magnified text will appear in the scene from far to near. This is an interesting way of presenting the meaning of the dreidel, which is usually played during the Hanukkah.

4) Educational: Dialogues among the prayers are appeared frequently to introduce the rules of lighting the Hanukkiah, the meaning of the dreidel, and the history of the Western Wall.

Scene 2: Interactive & Fun: The second scene reproduces the Herod's Temple. Audience can





Storyboard

Scene	Image		Sound
	Screen shot	Description	Narration/ Sound effect/ Background music
1.1 Scarlett		 Hamsa's self- introduction: The hamsa is a palm- shaped amulet. The Jewish believe that hamsa can protect people from the evil eye. Therefore, I chose this amulet as the tour guide of my AI game. A question panel gives viewers three options to learn more about Hanukkah customs. 	Background music: Jewish Holiday Songs. Maoz Tzur (Rock Of Ages) - Hanukkah Songs.
1.2 Scarlett	Structure garwices Parenteen to observed for ergen and the observed for erg	The audience can light the Hanukkiah by clicking on the bottom of the Hanukkiah. Subsequently, the prayers will introduce the rules of lighting the Hanukkiah to the audience.	Background music: Jewish Holiday Songs. Maoz Tzur (Rock Of Ages) - Hanukkah Songs.

1.3	Miracle	People play dreidel	Background
Scarlett	Great Happened	games to celebrate	music:
	A Here	Hannukah. At first, a	Jewish
	Hopey Hanukkah	spinning dreidel will	Holiday
	In Israel, people say "nes padol hayah polt", indicating "a great	appear in the scene.	Songs. Maoz
		After that, four	Tzur (Rock
	iffilt w	pictures representing	Of Ages) -
		four sides of dreidels	Hanukkah
		will show up in the	Songs.
		scene. The audience	201180
		can click on each	
		picture to explore the	
		meaning of each side	
		of the dreidel. Next,	
		viewers can click on	
		"Happy Hanukkah" to	
		find out what the four	
		sides of the dreidel	
		mean when	
		combined.	
1.4	Mirzele	The interactive	Background
Scarlett	Great Happened	dialogues among the	music:
	A W Pres	prayers are designed	Jewish
	Happy A	to introduce the	Holiday
	Annu to the second s	significance of the	Songs. Maoz
	The Wall is divided into two	Western Wall and the	Tzur (Rock
	sections, one area for males and the other for females.	custom of praying in	Of Ages) -
		this sacred site. I	Hanukkah
		designed this part to	Songs.
	1 1	let the viewers	C
	(1/5)	understand why I	
		chose the Western	
		Wall as my main	
		visual design in the	
		AI game.	

2 Scarlett	Hello, people from 21 century. We are prophets of this world.	The dialogues between two prophets in Herod's Temple are designed. This setting allows the audience to travel back in time to visit the Temple in person to feel the grand	
3 Shona	<image/>	In this modern scene, some of the family members get together to celebrate Hanukkah and play dreidel game, while the words connect together to be a sentence that "A big miracle was there."	No sound
4 Jenny	Let's enjoy sofganiot	Initial design Enjoy sofganiot Modern Scene: Light the hanukkiah	No sound



QC Checklist

Student ID 406110073

73 Name: Shor

Name: Shona Song 宋欣蔚

Group ID: Hanukkah Traditions

No.	Item	Module	Result			Decision	
			Pass	Minor	Major	Pass/Hold	
				issue	issue		
	Γ	Scene 1	Г	1			
1	Auto-play music; All the interactive elements are temporarily set invisible	Immuktank Collicits(1) + 0 2 mikigent Maximus 7.452 0 2 mikigent Maximus 7.452 1 2 mikigent Maximus 7.452 1 2 2 mikigent Maximus 7.452 1 2 2 2 2 2 2 1 2 2 2 2 2 2 2 1 2 <	Pass			Hold	
2	Let the decorative elements move from left to right forever	3 永遠 4 藤樹 star 1,png × 廠明計 × 「藤樹 star 1, png × 0 z 0 本身 × 方向 x 0 y: 0 z 1 本身 × 角度 180° 時間 5 秒.	Pass			Hold	
3	Hamsa's self- introduction A question panel will appear after clicking on	永遠 激活 hamsaKeychain ×	Pass			Hold	

	"Hamsa"			
4	If the audience	展示符有問題的選項面板 (* choose an *	Pass	Hold
	choose to light	留 "Light the H" 被選定		
	the	設定 light bottom > 的不通明度到 100 在 2 妙玛将 light bottom > 移至 x 0.74 y: -2.05 z 0		
	Hanukkiah:	light bottom 🗸 🖹 "Click me to " 3 Ø		
	Hanukkiah will appear from top to bottom Viewers can light the hanukkiah by clicking on the bottom. The hanukkiah will be lighted according to its rules. Prayers will introduce how to light the hanukkiah to the audience	gentleman v 說 "Hanukkiah" 7 形 Regular senior woman v 說 "Hanukkiah" 5 形 Fancy boy v 說 "Each night" 7 形 hamsakeychain v 說 "Click Me to" 5 形 前本 02 色 前本 03 生發出路到 100 萬本 02 色 前本 03 合 前本 03 合 <t< th=""><th></th><th></th></t<>		
5	If the audience	當 " Know mor " 被選定 🗘	Pass	Hold
	choose to play	設定 Dreidel ~ 的不透明旋到 100		
	dreidels:	Brick wall5 ~ 說 " People pla " 3 秒 在 2 秒后移動物體 Dreidel ~ 到 Round path ~ 路上		
		t: 2 秒/ale-selfenge Dreixel > 33 Kouna path > ML 智停 2 秒		
	A spinning	設定 Dreidel > 的不透明度到 0		
	dreidel will	設定 D3 → 的不透明度到 100		
	appear in the	設定 D2 × 的不透明度到 100 設定 D4 × 的不透明度到 100		
	setting;	設定 D1 ~ 的不透明度到 100		
		智停 1 砂		
		hamsaKeychain → 說 "Click on ea" 3 ₺		
		数括 D1 マ D1 マ 説 "Nun, do no " 3 砂		

6	The viewers can click on each side of the dreidel to explore its meaning	hamsakeychain 、 設 * Click on ea * 3 秒 20.4 D1 ~ D1 ~ 説 * Nun, do no * 3 秒 20.4 D2 ~ D2 ~ 説 * gimmel, re * 3 秒 20.4 D3 ~ D3 ~ 説 * hay: receiv * 3 秒 20.5 D4 ~ D4 ~ ※ Shin: put o * 3 秒 20.7 20.7	Pass		Hold
7	Viewers can click on "Happy Hanukah" to explore dreidel's combined meaning Magnified text "A Great miracle happened here" will move from far to near; The brick wall will make further explanation.	日本: 100 (100 (100 (100 (100 (100 (100 (100	Pass		Hold
8	If the audience choose to learn more about the Western Wall: The prayers will have a dialogue to introduce the Western Wall	當 "Know mor" 被選定 Brick wali1 ~ 説 "The Wester" 5 秒 Senior headscarf woman ~ 説 "This descri" 7 秒 Senior headscarf woman ~ 説 "This descri" 7 秒 管停 0.5 秒 Formal senior man 2 ~ 説 "switch to t" 5 秒 管停 0.5 秒 HamsaKeychain ~ 説 "Click Me to" 3 秒	Pass		Hold

		Scene 2		
1	When the audience click on the Herod's Temple, the text will change to "Welcome to Herod's Temple"	▶ 當播放被點聲 激活 temple ∨ 設置 Herod's Temple ∨ 的文本 "Welcome t…"	Pass	Hold
2	Two prophets have a dialogue introducing the origin of the Herod's Temple	部語 Herod's Temple > 的文本 * Welcome t * man toga > 説 * Hello, peop * 4 秒 Senior Roman woman > 説 * King Herod * 7 秒 Senior Roman woman > 説 * The wester * 7 秒 man toga > 説 * Now you c * 5 秒 Senior Roman woman > 説 * Hope you e * 4 秒		
		Scene 3		
1	When click play, Matthew while introduce to audiences what they're going to do	▶ 当播放装点击 激活 Matthew ~ Matthew ~ 说 " Welcome b * 5 秒 Matthew ~ 说 " You can ex * 5 秒 Matthew ~ 说 " Click on th * 20 秒	Pass	Hold
2	click on the plant	Matthew Plant Lamp video TTQ + [] X Q 1 updatePlantGrowth growth + 2 X Q 1 updatePlantGrowth growth + 2 X Q 1 updatePlantGrowth growth + 2 X Q 1 W/# Plant <	Pass	Hold

3	Lamp light	▶ 当播放就点击 激活 Lamp ~ 移除功施 光标覆盖 ~ 从项目 Lamp ~	Pass	Hold
4	Video play	1 > 当編放被点击 2 set opacity of video × to 0 3 首体 10 秒 4 波活 TV × 5 显示带有问题的选项面板 ** Do you wa ** 9 * yes ** 被选定 6 set opacity of video × to 100 9 * No ** 被选定 7 set opacity of video × to 0	Pass	Hold
5	When click on the food, it will begin the conversation	1 2 激活 TTQ ~ 3 TTQ ~ 说 "You wonde " 4 秒 4 TTQ ~ 说 "Click on m " 7 秒	Pass	Hold
6	When click on mom, mom and dad will talk	1 ▶ 当播放献点击 2 stop sound tefilot_shabat_medley_with_micha_gamerman_official_animation_vi 3 第 7 Fancy man #2 ~ 说 " This is Sufg " 6 秒 5 Fancy man #2 ~ 说 " That's right " 3 秒 6 Fancy man #2 ~ 说 " And becau " 6 秒 7 Fancy man #2 ~ 说 " and theref " 8 秒	Pass	Hold

Programming Journal

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

Date: 2021.1.14

Student ID: 406110073

Group ID: 2

1. Project goal/ scope.

- 1. To promote the Jewish culture and Hanukkah traditions to the Taiwanese
- 2. To strengthen cross-cultural communication & understanding
- 3. Most importantly— Have fun with technology!

2. My task(s)

- Make the third scene about introduction of the tradition of Hanukkah
- Initially design the dreidel game but later on change to watch videos
- Add some explanation of the traditional food people eat in Hanukkah —— Sufganiyot (ex. original story, custom for education purpose)
- Add conversation between family members
- Move the characters and furniture out of the cube to create more vivid experiences of video introduction and conversation

3. Progress.

#.	Task description	Done
1	Add conversation of the boy	Done
2	Make the third scene about introduction of the tradition of Hanukkah	Done
3	Coding of the TV	Done
4	Coding of the furniture	Done
5	Coding of the food	Done
6	Coding about the characters introducing the food	Done

4. Problem solving solutions

#	Problem encountered	Solution(s) tried/ other possible solutions
1	At the beginning, in my scene I decide	With the professor's suggestions, I remove the
1		
	to make the audiences play the dreidel	parts related to dreidel game, but change to
	game, with ethe rule as the real dreidel	watching a video related to Hanukkah tradition
	game in Israel to experience that	and introduce the food.
	culture, while later on I encounter some	
	difficulty of doing the coding and don't	
	know how to make the audiences play	
	that game, and that's quite time-	
	consuming.	
2	In the week before the Christmas	Remove the house and delete that scene.
	exhibition of our Cospaces game, I	
	added a house to increase a scene and	
	try to connect our scenes better, but it	
	takes quite a long time to loading the 3d	
	model.	
3	Consider how to connect different	Add clue in the conversation from an ancient
	scenes.	time to the modern society, saying that we are
		going to get back to 21 st century.

5. Lesson(s) learned.

a. From trial and error

At the beginning, in my scene I decide to make the audiences play the dreidel game, with ethe rule as the real dreidel game in Israel to experience that culture, while later on I find it's quite difficult for audiences to view the words and understand the rules of that game and actually for me to do the coding of those tasks. While later on through some trials and the suggestion from the professor, I decide to change that scene. And since our first scene is in an outside environment, I kept thinking about how to move from outside to inside more consistent.

b. From team member(s)

I learn a lot from my team member Scarlett. For example, her coding of lighting the candles, having conversations between those people, introducing dreidel sides and press the button to lead to different activities and have more interaction with the audiences.

c. From other team(s)

I think some of the teams are quite innovative and creative, for example, the group build a British Museum is very impressive. They build a beautiful building and lead the audiences to view inside, and the characters in the scene provides a more vivid experience for us as audiences just like getting into a real museum. Besides, the group about Hanukkah that make a scene about Battle between Greek army and Jewish people led by Maccabean family and a scene inside the building-lighting ceremony is very interesting. I do admire that they use different methods to create and narrate the stories and traditions.

6. Most impressive conversation/ event.

Two of the most impressive events are that we shared about our design with people from Prince Hotel and the professors in our department. Since people from other countries may hardly heard about Hanukkah, I feel it's a great honor to introduce the Israel tradition with them and share our work with them. I can feel that some of them really enjoy the game, and the VR experience, while I also found that players may more interested in the design of the scenes and the coding instead of the conversations between the characters in this kind of VR game.