ASSESSMENT AND INTERNAL VERIFICATION FRONT SHEET (Individual Criteria)

Course Title	WOAST Advanced Dipionia (WQL Level 4)		Lecturer Name & Surna	me Neil	Neil Aquilina	
Unit Number	Unit Number & Title Programming for Computer Games					
Assignment Number, Title Simple 2D Car Game - Home						
Date Set		9 th December 2020	Deadline Date	19 th January 2021		
Student Name		Nathan Abela	ID Number	439799M	Class / Group	MSD 4.2C

	Student's declaration prior to handing-in of assignment:				
	I certify that the work submitted for this assignment is my own and that I have read and understood the respective				
	Plagiarism Policy				
]	Student's declaration on assessment special arrangements (Tick only if applicable)				
ш	I certify that adequate support was given to me during the assignment through the Institute and/or the Inclusive				
	Education Unit.				
ш	■				
Studen	t Signature:	MALATA	Date:	20/01/2021	
Juden	it Signature.	Milela	Date.	20/01/2021	

Assessment Criteria		Mark Achieved
KU2: Describe asset types		
KU5: Identify suitable resolution for images of various types		
KU6: Select asset types and settings for a range of media assets for a game design		
KU7: Identify resolution issues for the development platforms		
KU8: Identify appropriate input devices and methods for development platforms		
KU9: Show and explain how to deploy a game to multiple devices		
AA1: Examine and apply basic programming techniques for a simple game		
AA2: Develop a game with graphical and audio assets		
AA3: Demonstrate ability to resolve issues and input devices in the development environment		
AA4: Apply coroutines for a more interesting gameplay		
AA5: Examine and solve gameplay problems		
SE2: Resolve programming issues related to sound, graphics and gameplay		
Total Mark		

Assessor's Feedback to student
(If necessary, use reverse side of page for IV feedback on assignment brief / sample of assessment decisions)

Signature	Date
For approval signature, please refer to electronic audit trail	
For approval signature, please refer to electronic audit trail	
For approval signature, please refer to electronic audit trail	
	For approval signature, please refer to electronic audit trail For approval signature, please refer to electronic audit trail For approval signature, please

Task 3

Review, Build and Deploy the Game

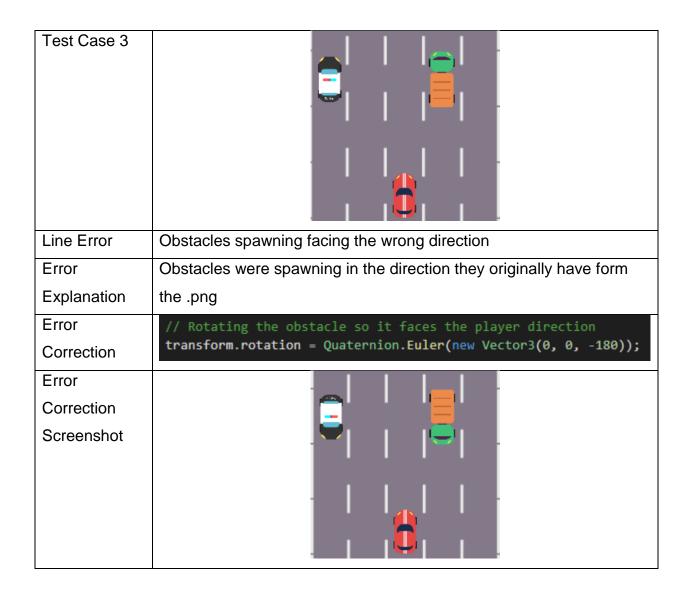
Error 1:

Obstacle Bullets passing through destroyer (shredder)			
/			
Since the obstacle bullets do not have a collision component, they			
would pass through other objects without triggering anything			
A Capsule Collider 2D and 'Is Trigger' were added			
▼ ① ✓ Capsule Collider 2D			
Edit Collider 🖧			
Material None (Physics Material 2D) ⊙			
Is Trigger 🗸			
Used By Effector			

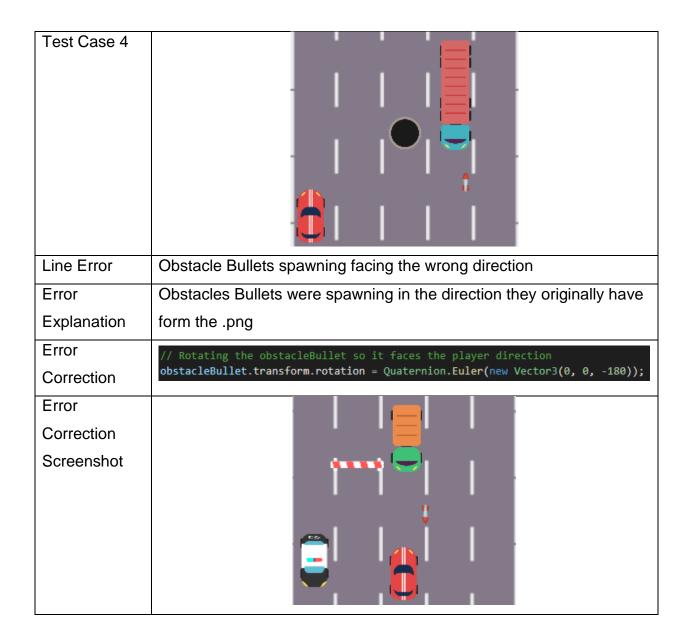
Error 2:

Test Case 2	Adding a collision on the obstacle meant that once the missile is		
	fired the same obstacle will be destroyed		
Line Error	<pre>private void OnTriggerEnter2D(Collider2D otherObject)</pre>		
Error Explanation	Due to the fact that the obstacle bullet is spawned from the		
	obstacle, a collision would occur and would destroy both		
Error Correction	Collision was added to other objects		
Error Correction			
Screenshot			

Error 3:



Error 4:



Error 5:

Test Case 5	NullReferenceException: Object reference not set to an instance of an object Level.LoadGame () (at Assets/Scripts/Level.cs:29)
Line Error	FindObjectOfType <gamesession>().LoadGame();</gamesession>
Error	The 2D Car Game Scene could not find the GameSession in the
Explanation	Scene
Error	GameSession prefab was moved in the Hierarchy
Correction	
Error	
Correction	→ Main Camera → Canvas
Screenshot	PlayerCar PlayerCar Background ObstacleSpawner LevelObject MusicPlayer GameElements GameSession

Error 6:

Test Case 6	[17:24:21] UnassignedReferenceException: The variable playerDeathSound of Player has not been assigned. You probably need to assign the playerDeathSound variable of the Player script in the inspector.
Line Error	Player Death Sound Effect was not being played
Error	A field with AudioClip 'playerDeathSound' was created but no audio
Explanation	clip was assigned to it
Error	An audio file was specified in the inspector of the respective prefab
Correction	
Error	Player Death Sound ☐ player Death SFX ⊙
Correction	Player Death Sound Volume 0.5
Screenshot	

Error 7:

Test Case 7	[00:11:10] ArgumentOutOfRangeException: Index was out of range. Must be non-negative and less than the size of the collection. Parameter name: index
Line Error	/
Error	Changing the position of the waypoints, the obstacles positions were
Explanation	not changed
Error	The path was unpacked completely and re-added
Correction	
Error	√ < 2DCarGame :
Correction	
Screenshot	
	Background >
	↑ ObstacleSpawner >
	▼ 😭 GameElements
	▼ 📦 Path (0)
	Waypoint (0)
	— Waypoint (2)

Error 8:

Test Case 8	[18:32:04] UnassignedReferenceException: The variable explosionVFX of DamageDealer has not been assigned. You probably need to assign the explosionVFX variable of the DamageDealer script in the inspector.		
Line Error	Obstacle Explosion particles were not being shown		
Error	A field with GameObject 'explosionVFX' was created but no particle		
Explanation	was assigned to it		
Error	A particle system was assigned to it in the inspector of the respective		
Correction	prefab		
Error	Explosion VEX		
Correction	Explosion VFX		
Screenshot	Explosion 112 Bulder		

Error 9:

Test Case 9	[18:38:17] NullReferenceException: Object reference not set to an instance of an object ScoreDisplay.Update () (at Assets/Scripts/ScoreDisplay.cs:23)
Line Error	/
Error	Trying to access a reference variable that is not referencing an object
Explanation	
Error	It was found that the GameSession did not have a script assigned to
Correction	it. The GameSession script was added
Error	▼ 🕏 Game Session (Script) 🚱 💤 🗄
Correction	Script
Screenshot	

Error 10:

Test Case 10	[18:42:08] UnassignedReferenceException: The variable pathPrefab of WaveConfig has not been assigned. You probably need to assign the pathPrefab variable of the WaveConfig script in the inspector.		
Line Error	/		
Error	The WaveConfig did not have a path prefab assigned to it. This was		
Explanation	found after unpacking a path prefab to update its waypoints		
Error	This was fixed by assigning the correct path in the WaveConfig		
Correction	inspector		
Error	Script	■ WaveConfig	⊙
Correction	Obstacle Prefab	👣 policeCar	⊙
	Path Prefab	👣 Path (0)	⊙]
Screenshot	Time Between Spaw	0.2	
	Spawn Random Fact	0.2	
	Number Of Obstacles	1	
	Obstacle Move Spee	4 4	

Error 11:

Test Case 11	[18:54:10] Assets\Scripts\ScoreDisplay.cs(9,5): error CS0246: The type or namespace name 'Text' could not be found
Line Error	/
Error	A field of type 'Text' was created using the 'UI' class, but the class
Explanation	was not imported
Error	The 'UI' class from UnityEngine was declared at the top of the script
Correction	
Error	
Correction	using UnityEngine.UI;
Screenshot	

Error 12:

Test Case 12	[19:02:03] Assets\Scripts\Level.cs(14,9): error CS0103: The name 'SceneManager' does not exist in the current context [19:02:03] Assets\Scripts\Level.cs(20,9): error CS0103: The name 'SceneManager' does not exist in the current context [19:02:03] Assets\Scripts\Level.cs(26,9): error CS0103: The name 'SceneManager' does not exist in the current context [19:02:03] Assets\Scripts\Level.cs(34,9): error CS0103: The name 'SceneManager' does not exist in the current context	
Line Error	/	
Error	A class 'SceneManager' from the class 'SceneManagement' was	
Explanation	used, but the class was not imported	
Error	The 'SceneManagement' class was imported at the top of the script	
Correction		
Error		
Correction	<pre>using UnityEngine.SceneManagement;</pre>	
Screenshot		

Error 13:

Test Case 13	SCORE _	
Line Error	/	
Error Explanation	Score was not being updated	
Error Correction	rection It was found that the the script GameSession, the method	
	AddToScore() was missing a '+', thus the scoreValue was being	
	sent to 0 regardless other factors	
Error Correction	<pre>score += scoreValue;</pre>	
Screenshot		

Error 14:

