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Project 2C Group

Criteria	TA/Grader	Instructor
Presentation		
Overall		

~ Defender of the Galaxy~

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Project UI Design Report

(Version 1.1)

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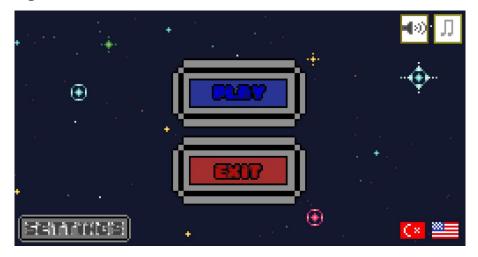
1. Introduction

Defender of the Galaxy is a space-themed tower defense game in which the player purchases several constructions and special abilities in order to defend the base against stacking enemy waves. In each round, several enemy units will follow a particular path through the map to reach the base. The player must strategically locate his weapons and use the special abilities to defeat the enemy waves. Constructions and abilities are available in the in-game market with different costs according to their powers and features. The player will have a type of in-game currency that can be gained by defeating enemy units or passing to the next round. Also, there will be a pause option for

players to ensure that the gameplay will not be interrupted by outer factors. The player can use the selected unit menu to view the damage, range and fire rate of the selected defender unit. The game control menu allows the player to open the pause menu, directly exit to the starting menu, double the rate of the game, summon the next enemy wave(manually or automatically) and open the in-game market menu. Moreover, players can use the inventory menu to view the number of placeable units and special powers in the inventory and select them to place in the map or use the special powers.

2. Details

2.1 Starting Menu



The starting menu is the first interface that will be shown when the user enters the game. It contains several options for the players which can be adjusted using this interface. Clicking the play button will start the game and direct the player to the main game interface. The exit button allows the user to quit the game and then exit to the desktop. Besides, the settings button directs the user to the settings interface and allows him/her to adjust the game settings including increasing/decreasing the music and sound volume and selecting through language options.

2.2 Settings



Settings interface can be opened from the starting menu. It will provide options for adjusting/muting the in-game music or SFX sound effects' volumes and selecting the language without exiting to the starting menu. The player will be able to adjust the volume of the music and

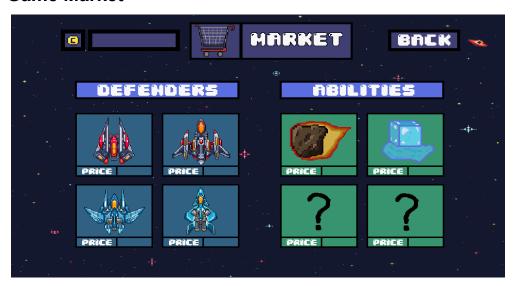
SFX sound effects by using the sliders which are provided here. Likewise, the language options are available for the players to choose according to their preferences.

2.3 Main Game



This is the main interface in which the game will be played. Enemy waves follow a certain path in order to pass the border of the defense complex which the players are supposed to design. It contains operations for opening the pause menu while playing the game, viewing in-game currency instantaneously, opening in-game market(which is another interface), returning back to the starting menu, viewing inventory and current enemy wave count, upgrading selected defense tower entities. This menu is constantly refreshed while the game is running. It allows players to design a defense complex with their own strategy in order to play the game.

2.4 In Game Market



In-game market allows the players to spend their in-game currency (which can be gained from defeating enemy units or passing levels) to purchase various defenders (the constructions that can be located throughout the map and are able to attack the enemy units) or special abilities which can be used for different purposes like freeze the enemy units or strike a particular area. The gold bar will be updating while the game runs. Finally, clicking to the back button directs to the main game interface where the game continues.

2.5 Pause Menu



The pause menu is an interface which can be accessed by pressing a specific key on the keyboard. Its main purpose is letting the player take a break. The game freezes when this menu is open. The player can continue the game by pressing the resume button. The player can access the settings interface through this menu by pressing the settings button and the player can return to the main menu by pressing the main menu button in this interface. Also the player can toggle the sound effects and the music through this menu.

2.6 Enemy Entities



The enemies will come in waves at the beginning of the rounds. As the game proceeds, the enemies will get stronger and increase in number. When a certain number of enemies reach the base, the player will lose the game. Their stats are going to be dependent on the type of the enemy entity. Some enemy entities will be fast meanwhile some of them are going to be slow and tanky.

2.7 Defense Tower Entities (Defenders)



The defense towers or in other words defenders are the main tools for defending the base. The player will be able to buy the defenders through the in game market. Defenders will have different prices depending on their powers. Some of them are going to be weak and they are going to be the cheap ones. However the strong ones will be required as the game proceeds, because the

enemies will get stronger each round and the player will need more power to defend the base. The defenders will also have unique features. For example, some of them are going to freeze the enemies.

2.8 Selected Unit Menu



The selected unit menu will appear when the player chooses a certain unit. Its main purpose is viewing the stats of the unit. The player is also going to be able to upgrade the unit through this menu.

2.9 Game Control Menu



This menu is in the main game interface in which the game runs. It allows the players to control the game by providing them with various functional buttons. It lets the player open the pause menu, directly exit to the starting menu, double the rate of the game, summon the next enemy wave(manually or automatically) and open the in-game market menu. Users are able to administer the game with numerous adjustments that they prefer by this interface.

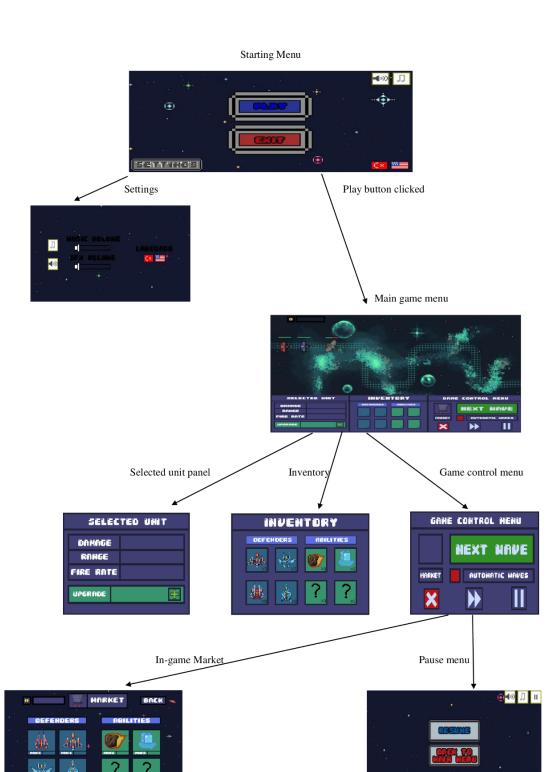
2.10 Inventory Menu



The purpose of this interface is viewing the player's inventory which contains all the defenders that can be located on the map and the number of special abilities that are purchased from the market. The player is able to click the buttons in defenders segment to locate their constructions and weapons through the map. Besides, the special abilities can be controlled with the abilities segment by selecting them and utilizing the preferred part of the map.

3. Summary & Conclusions

This report shows and describes all the graphical interfaces that Defender of the Galaxy game uses. The basics of the game and understandability of the menus are kept as simple as possible so that everyone can enjoy the game without pondering the principles of the game. This sitemap of all the interfaces summarizes the relationship between all the graphical interfaces:



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