

# **Project 2**

**Game Development using HTML5** 

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#### **Game Logic:**

#### a) Overview:

The player controls a plane by the mouse or keyboard over the screen and the enemies appears from the other side at random positions the player can defend himself by shooting the enemies. The player should avoid the enemies or he will lose a life or the game if his lives run out. The score is the number of enemies the player kills at the game.

### b) Interface:

#### 1) Main Menu:

The player has 2 buttons one to start el game and it takes him to a new page to choose the difficulty of the game (Easy or Hard) and number of players (1 Player or 2 Players), the other one exit the game.

#### 2) Easy Level:

The player has 4 lives to end game and his plane shots 2 bullets at a time, enemies speed to approach the player is slow and an enemy appears every 3 seconds.

#### 3) Hard Level:

The player has 2 lives to end game and his plane shots 1 bullet at a time, enemies speed to approach the player is high and an enemy appears every half second.

#### 4) Game Over:

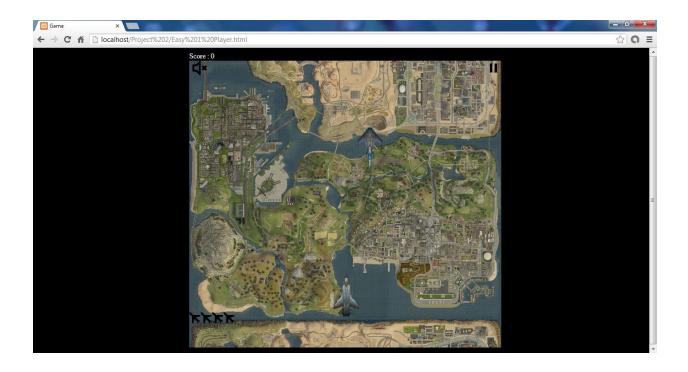
If it is a 1 player game the game ends displaying the score of the player. If it is a 2 players game the game ends displaying the scores of the two players and writes which player wins. Also the player will have two buttons to play a new game and another one to return to the main menu.

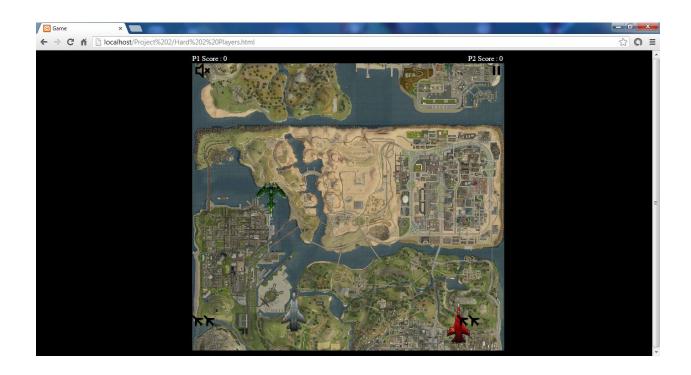
- Technology Used:
  - a) HTML5.
  - b) PIXI.
  - c) JavaScript.
- **Screenshots:** 
  - a) Google Chrome:

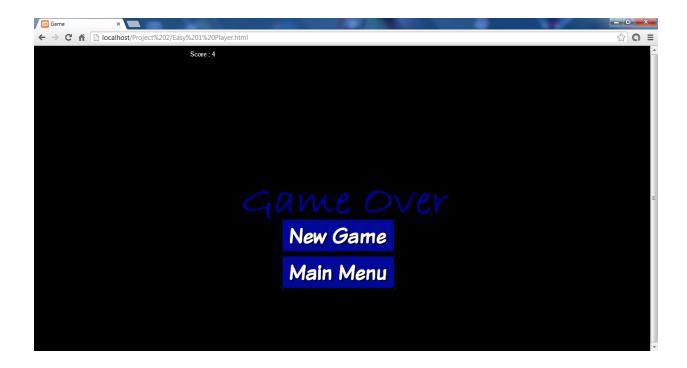
















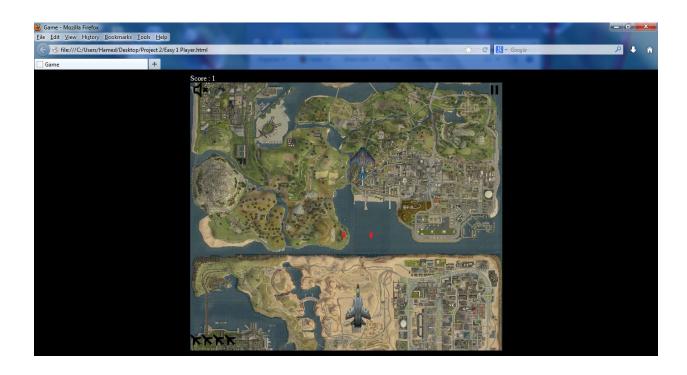


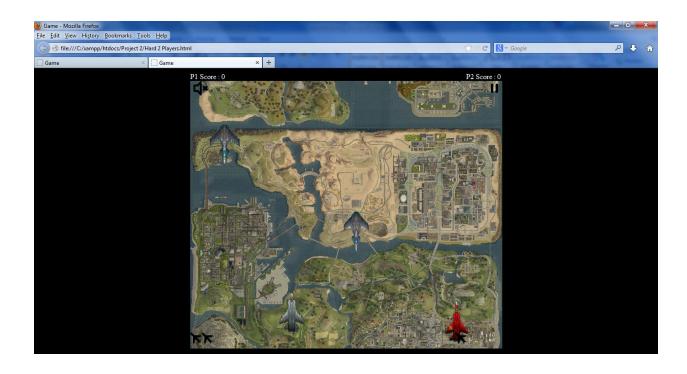
# b) Firefox:



















## **Code Snippets:**

```
C:\xampp\htdocs\Project 2\Easy 2 Players.html - Sublime Text 2 (UNREGISTERE
```

```
C:\xampp\htdocs\Project 2\Easy 2 Players.html - Sublime Text 2 (UNREGISTERED
                            plane2.position.y += 20;
```

```
C:\xampp\htdocs\Project 2\Easy 2 Players.html • - Sublime Text 2 (UNREGISTERED
         File Edit Selection Find View Goto Tools Project Preferences Help
                                                                                                                                                                                                                                                                                             for(wor i = 0; i < enemyCounter; i=0);
cnealss[s].position, y = 5;
if(allvel == 1){
    if(enemiss[i].position, x = 60) >= (plane1.position, x) && (enemiss[i].position, x = 60) <= (plane1.position, x) &&
    if(enemiss[i].position, x = 60) >= (plane1.position, x) && (enemiss[i].position, y = 80) <= (plane1.position, y) &&
    if(enemiss[i].position, y = 80) >= (plane1.position, y) && (enemiss[i].position, y = 80) <= (plane1.position, y) <= (plane1.posit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Stage.removechild(planet);
| stage.removechild(planet);
| super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.super.
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