

Project 3: HTML5 game

This project is a HTML5 game where player can move and jump around collecting different fruits and avoiding traps. Game is a side scrolling infinite runner where new terrain, traps and collectibles are constantly added from the right and moving to the left. Different fruits give different amount of score, kiwis give 10 and pineapples 20. When trap hits the player, player collision and control is disabled, and he falls off the screen causing a game over. Game has sound effects for jumping, collecting fruits, fans turning on, and getting hit by traps. Different animations are played when player is jumping, falling, running, idling, or getting hit. Fruits also have idle animation and spike head traps play an animation when hitting the ground. Fans play an animation when they turn on. There are also fans that turn on when player touches them, and they give player a boost upwards. From MainMenu-scene player can start game by pressing SPACE-key. From GameOver-scene player can see their score for the run and return to main menu by pressing ESC-key or play again by pressing SPACE-key. Player character is controlled using LEFT-, RIGHT-, and UP-keys.

Features done

Feature	Points
Well written PDF report	3
Application is responsive and can be used on both desktop and mobile environment	2
Application works on Firefox, Safari, Edge and Chrome	3
The application has clear directory structure, and everything is organized well	2
There is a clear plot in the game. It has a start and end.	3
There are different (more than 1) objects to collect	2
There are moving parts in the game area (other than the player and enemies, so e.g. some floors fall apart)	3
Game uses physics engine, so that there are falling parts / enemies / players	2
There are enemies that can hurt the player	3
There is music and sound effects when player shoots/jumps or anything like that	3
Animations (harder to do than sound effects)	3
Total	29

Tools used

Visual Studio Code (for writing code)

Phaser (and examples <https://labs.phaser.io/>)

Microsoft Word (for writing PDF-report)

Assets from

<https://pixelfrog-assets.itch.io/pixel-adventure-1>

<https://grafxkid.itch.io/seasonal-tilesets>

<https://kronbits.itch.io/freesfx>