[GAME TITLE HERE]

CSCI 2941 Game Design & Dev 1

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Contents:

Project Description

Inspired by the recent SpaceX launching of the Falcon Heavy rocket and the attached Tesla Roadster, this game involves the player piloting the Falcon and its Roadster through the spacescape while dodging falling asteroids.

Version History

[DO WE WANT THIS IN THE FINAL SUBMISSION?]

1. Characters
   1. The player will control the Falcon Heavy rocket while the Tesla Roadster swings around behind it.
   2. The “enemies” are falling asteroids that will be spawned at varying rates and locations.
2. Story
   1. After years of dedication and drive, Elon Musk and his labor of love are finally able to fulfill his recent goals – launching his car into space. After a successful launch, it is now your mission to make sure the Falcon and the Roadster can travel safely through the solar system.

2.1.Theme

a. We want to take the old “space age” feel of games like Asteroids   
and Space invaders through the use of pixilated sprites for that “retro feel”, as well as the use of music that takes a modern “space” feel with some “retro” elements to provide the same awe of space.

3. Story Progression

a. This is one of those “infinite runner” types of games, the only difficulty   
progression involved is that the asteroids will speed up, spawn faster, and spawn in random locations.

4. Gameplay

a. As stated previously, the player will pilot the Falcon around the screen   
while avoiding falling asteroids. To increase to the intricacy of this game, the player will also have to pilot the Tesla roadster safely away from the asteroids while it swings tethered to the back of the Falcon.

4.1.Goal / Winning

a. The goal of this game is to travel the farthest distance without “sustaining critical damage”, which results from the Falcon or Roadster colliding with an asteroid. In this game, the primary goal is to travel farther with each run

4.2.User Skills

a. The player is able to travel up/down/left/right around the screen. It   
is up to the player to be able to dodge around the asteroids as they fall across the screen.how to use controls, expected level of logic, etc.

4.3.Game Mechanics

a. The fundamental mechanics of this game is similar to most infinite   
runner games. Obstacles endlessly spawn at progressively increasing rates. The novelty mechanic of this game is that the player has to dodge both with the Falcon, but with the Roadster, which swings like a pendulum behind

4.4.Items & powerups

a. In the current version of the game, the Asteroid obstacles are the   
only objects in the game that are not controlled by the player. Future power-ups and other obstacles may be added in later versions

4.5.Progression & Challenge

a. The falling asteroids spawn in random locations at varying rates,   
adding an element of unpredictability to the game.

b. In addition to the player having to maneuver the Falcon between a  
steroids, the player must also have the forethought to navigate the “Roadster pendulum” behind them to safety as well.

4.6.Losing

a. Losing is when the Falcon or the Roadster collide with a falling   
asteroid, and sustain “critical damage”. In future versions, the number of collisions may be changed, but it is currently a “Game Over” after one.

5. Art style

a. Sprites are created with scalings of 16px by 16px sprites, with real-world-  
appropriate color schemes. This gives the game a retro feel while being relatable to the modern context from which the game was inspired.

b. The background is a pixel-art drawing of outer space created in order to match the aesthetic of the other sprites in the game

6. Music & Sounds

a. [THIS NEEDS TO BE FILLED IN]

7. Technical description

a. [THIS NEEDS TO BE FILLED IN]

Other Categories:

Platforms:

This game was initially designed with the intention of a mobile game, however, current controls were designed for PC play

Additional Features:

There are currently no additional features, however, there is the possibility for some in future verions.