

# Space Bear

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## Install and Run

1. Install pygame
2. Ensure that Python 2.7 is in use.
3. Download the zip file and run the SpaceBear.py file.

## How To Play

- Move player right and left using *right* and *left arrow keys*
- Jump using *up arrow*
- Fire bullets using *space bar*

## Objectives

The objectives of the game are to pass all the levels before all the lives are lost and get a high score by collecting as many stars as possible. The player begins with 5 lives on each run of the game. The player should jump from cloud to cloud collecting stars in order to reach the final pink cloud in each level. Throughout the level, the player should avoid hitting the floor or the enemy, as this bumps them back to the beginning of the level and causes them to lose 50 points as well as a life. The enemies can be removed by shooting them with bullets in order to clear the path forward. There are also diamonds in various locations that give the player a boost when collected by increasing their size for a short period of time, allowing them to reach the end of the level more quickly. The player wins the game when they reach the final platform in the last level.

## Features

### Enemy:

- Can be killed by a bullet (player gains 50 points)
- Player loses a life if collision with enemy

### Star:

- Player gains 50 points when collected
- Appear over random platforms on each run of the game

### Diamond:

- Increases the size of the bear by 8%
- May be stationary on a platform or moving throughout the level

### Sound effects:

- Self-created sound effects through GarageBand
- Plays harp sound when Player collects Stars
- Plays trumpet noise when Player collects Diamonds
- Plays explosion sound when Player falls, bumps into enemy, or shoots enemy
- Plays bounce noise when Player jumps

### Images:

- All images, including the bear, enemy, bullets, clouds, background, stars, and diamonds, were hand drawn