

Comp3419Assignment2Option1

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1 Introduction

This story happens between the famous Sponge Bob and his favorite friend Patrick Star. However, today is not a happy day as usual, something bad happened. Patrick has eaten some evil food and became Patrick Ooze (Picasso style :P), which is just as Plankton planned. Patrick lost his mind and keeps throwing his Ooze balls everywhere. Sponge Bob has been so panic and cannot do anything but keep getting hit by the balls. He runs fast but loses his direction. Who? Who can save them?

2 Components

Scene: This is a static scene at the front of Sponge Bob's house.

The main character: The transformed Patrick Ooze.

Two side characters: Balls and Sponge Bob

Two events: Sponge Bob hitting by a ball would make the ball disappear and jump a little with a sound playing.

Sponge Bob would reverse his direction and body after he reaches the edge of the window.

3 Details

1. Patrick throws balls only from his right hand.
3. Patrick throws his ball randomly with a likelihood of $1/5$ per second.
2. Patrick starts at a random horizontal position. 3. Patrick moves only horizontally randomly.
4. The balls would bounce to the right.
5. When any ball hit Sponge Bob, Sponge Bob would jump for a short time because of the pain.
6. The ball would disappear after hitting Sponge Bob.
7. Sponge Bob starts at a random horizon position on the ground.
8. Sponge Bob starts with going right, and he would go reversed after reaching

the edge of the window.

9. There would be a water sound playing when the ball hits Sponge balls.