

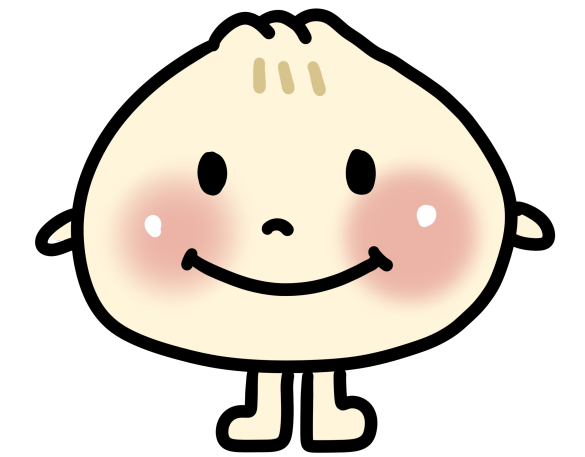
Escaping Dumpling

Art&Technology 20221011 Jiyun Kim

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1. Idea & Concept



✦ Idea Overview

"Dumpling Escape" is a combination of the infinite runner game and the format of "Flappy Bird."

The player, Dumpling, enjoys the infinite runner game of avoiding obstacles by running on the table, and once you get a wing item, you can play the Flappy Bird game of flying in the air for a certain period of time through screen switching.

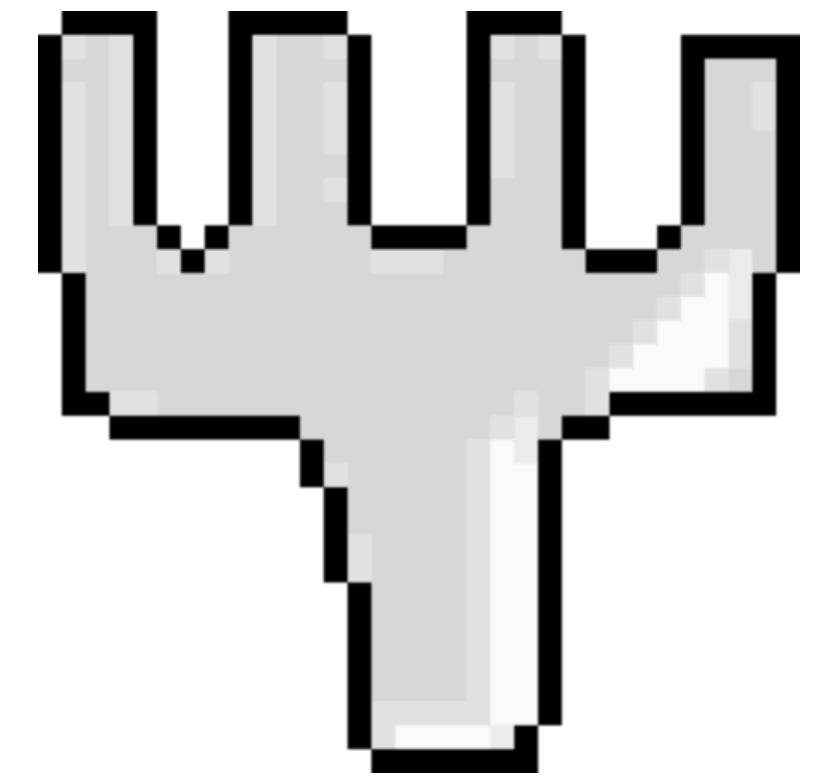
✦ Concept

The main concept of the game is "Dumpling Escape." The dumpling, a player, runs on the table, avoids a fork, uses its wings to fly, and runs away from the chopsticks that follow him behind.

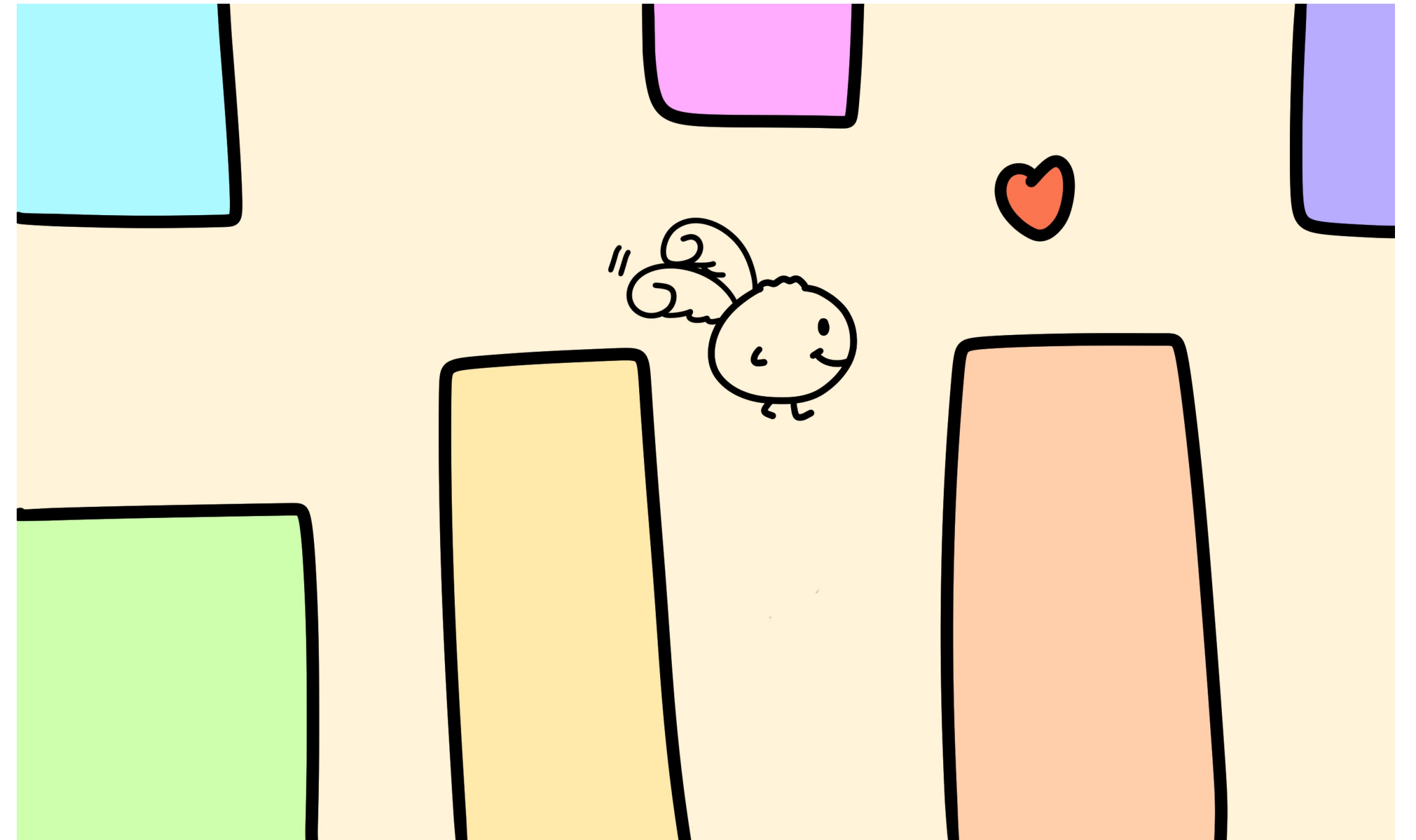
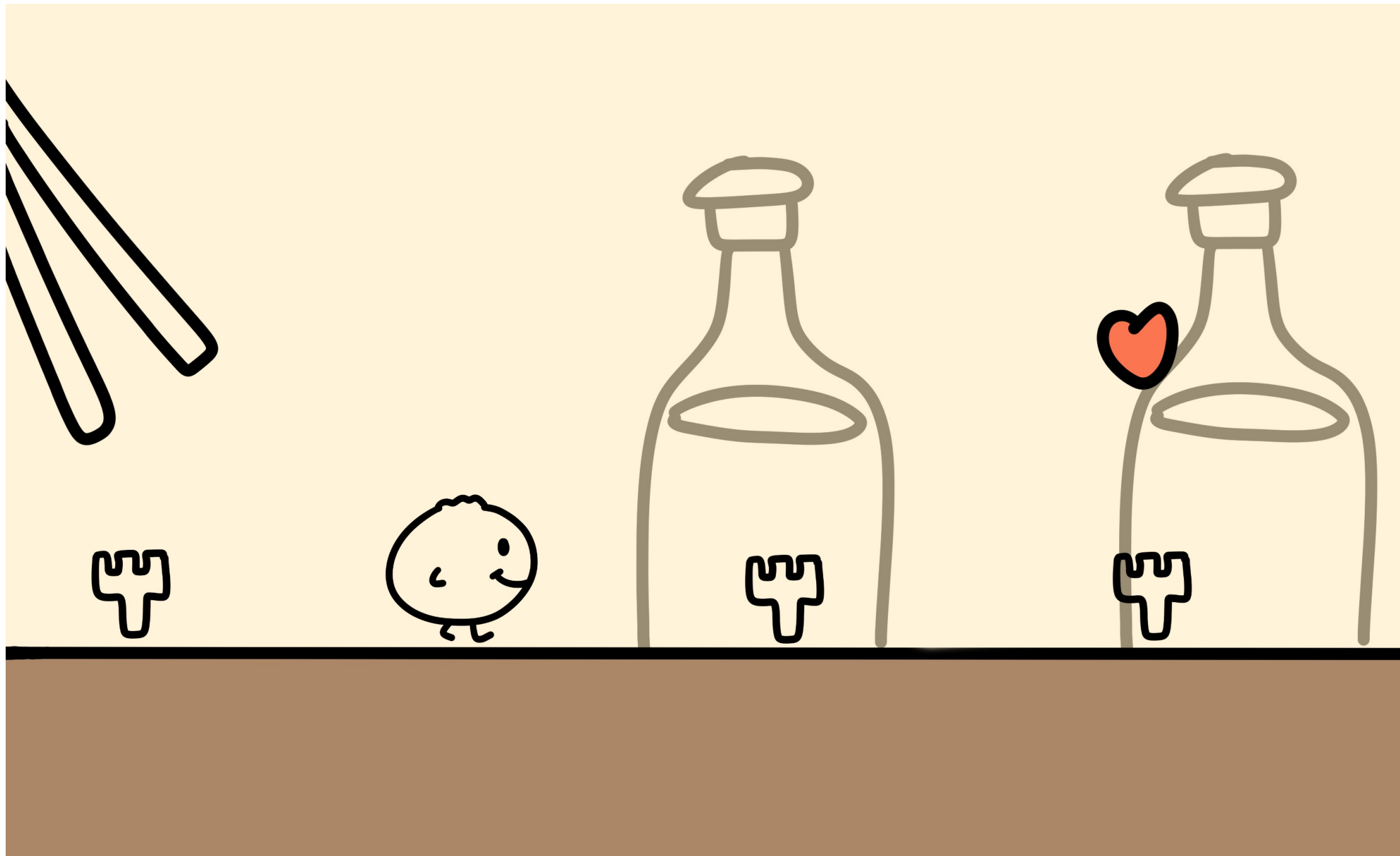
2. Visual Style and Color Theme

- ✦ The visual style is expressed in pixel art in bright and bright pastel tones. Cute dumpling characters and warm backgrounds are expressed using the charm of pastel tones.
- ✦ Mainly used colors consist of pastel – toned shades of light yellow, orange, pink, lilac, and mint. This color theme creates a cute and soft atmosphere within the game.
- ✦ The facial expression of the dumpling changes according to the situation.

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3. Flows and rules of the game

- ✖ The player starts with a runner game, avoids various obstacles and gets a heart that prolongs life.
- ✖ When you win a wing item, it turns into a Flappy Bird – style game. After a certain period of time, we'll go back to the runner game.
- ✖ The initial duration of the Flappy Bird format game is 30 seconds, which increases by 30 seconds depending on the number of times the player gets wing items.
- ✖ The score is increased by 1 every 0.25 seconds during the duration of the game.

4. How to operate it

- ✖ You can jump by pressing the up key.
- ✖ Press the down key to lower your head.
- ✖ You can fly by pressing the tap key.

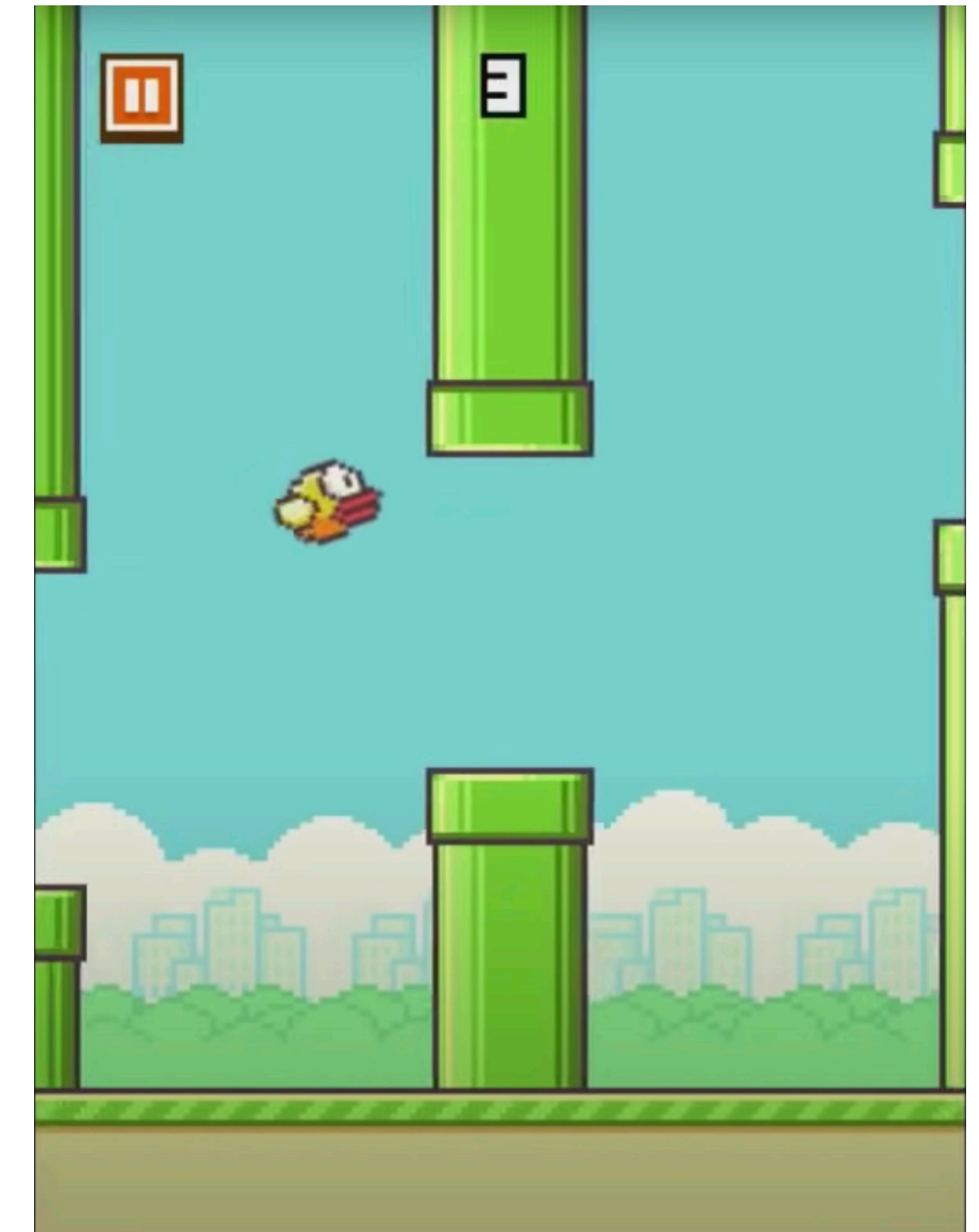
5. Items and Obstacles

- ✖ In a runner game, you keep the number of hearts away from obstacles. The obstacle is the fork. Avoid obstacles by lowering your head or jumping.
- ✖ If you collide with a heart item, the number of hearts increases by one.
- ✖ At the start of the game, the number of hearts starts with three, and if a player crashes into an obstacle, the number of hearts decreases one by one. The maximum number of hearts is three.
- ✖ The game ends when the number of hearts reaches zero.
- ✖ When a player crashes into a wing item, it enters aerial mode.
- ✖ In aerial mode, you must fly without touching the wall, avoiding forks rising from the sky and the floor.

6. Reference



<https://www.youtube.com/watch?v=UFk3XUDQ8f0>



Flappy bird