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AGENDA

INTRODUCTION

an overview of the *Plant&Zombie* game and the goal of this project.

AGENDA

PROPERTIES

class diagram application of *OOP GUI's* explanationand extra features.

AGENDA

Q+A

It's time to ask and discuss about our project!







1. Learn how to program games

2. Apply OOP principles

3. Enhance problem-solving skills

4. Develop teamwork skills



Content

In the game, plants protect their garden from zombie attacks. Throughout difficult stages, players battle progressively more dangerous zombies by using various plants with special powers.

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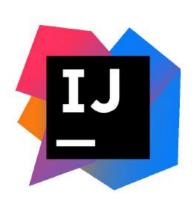
Rule

In order to prevent zombie invasions, players must carefully grow plants, gather resources (such as coins and sun energy), and protect their garden through levels. Protecting your home base, eliminating all zombies, and finishing each level successfully are the goals, and players face ever more difficult tasks as the zombie waves change.





The techiques and tools used



JETBRAINS INTELLIJ

IDE for programming



GOOGLE DOCS

Project

management



GITHUB G

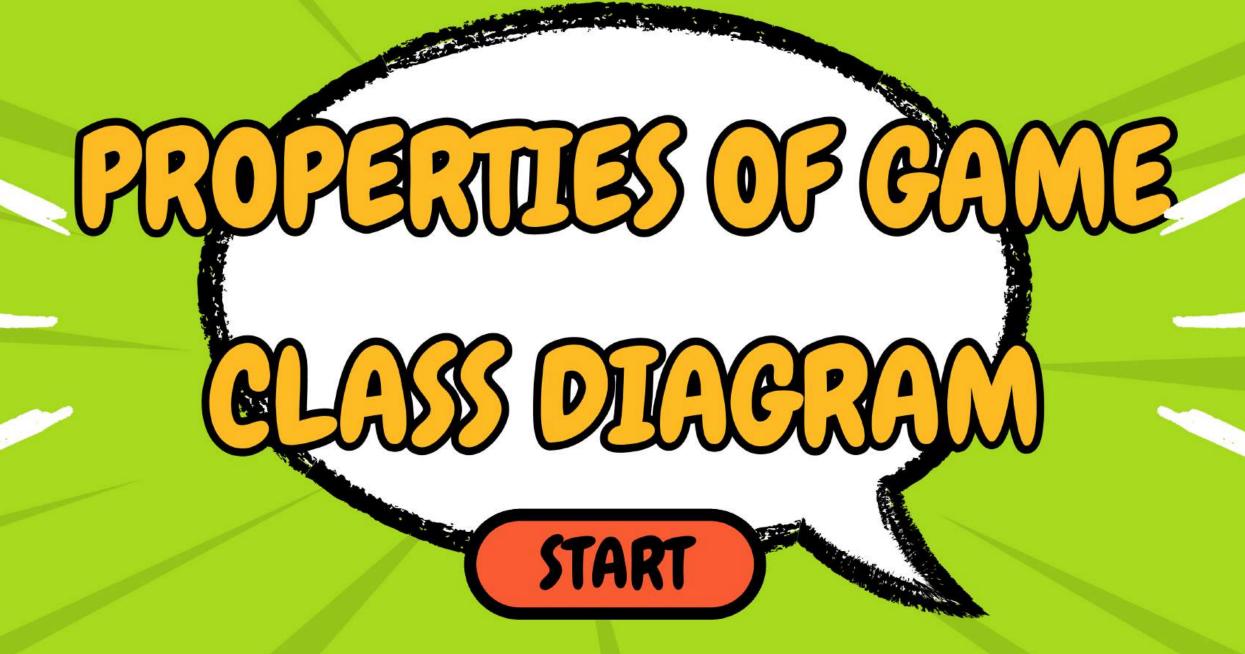
Code version management



ADOBE PHOTOSHOP

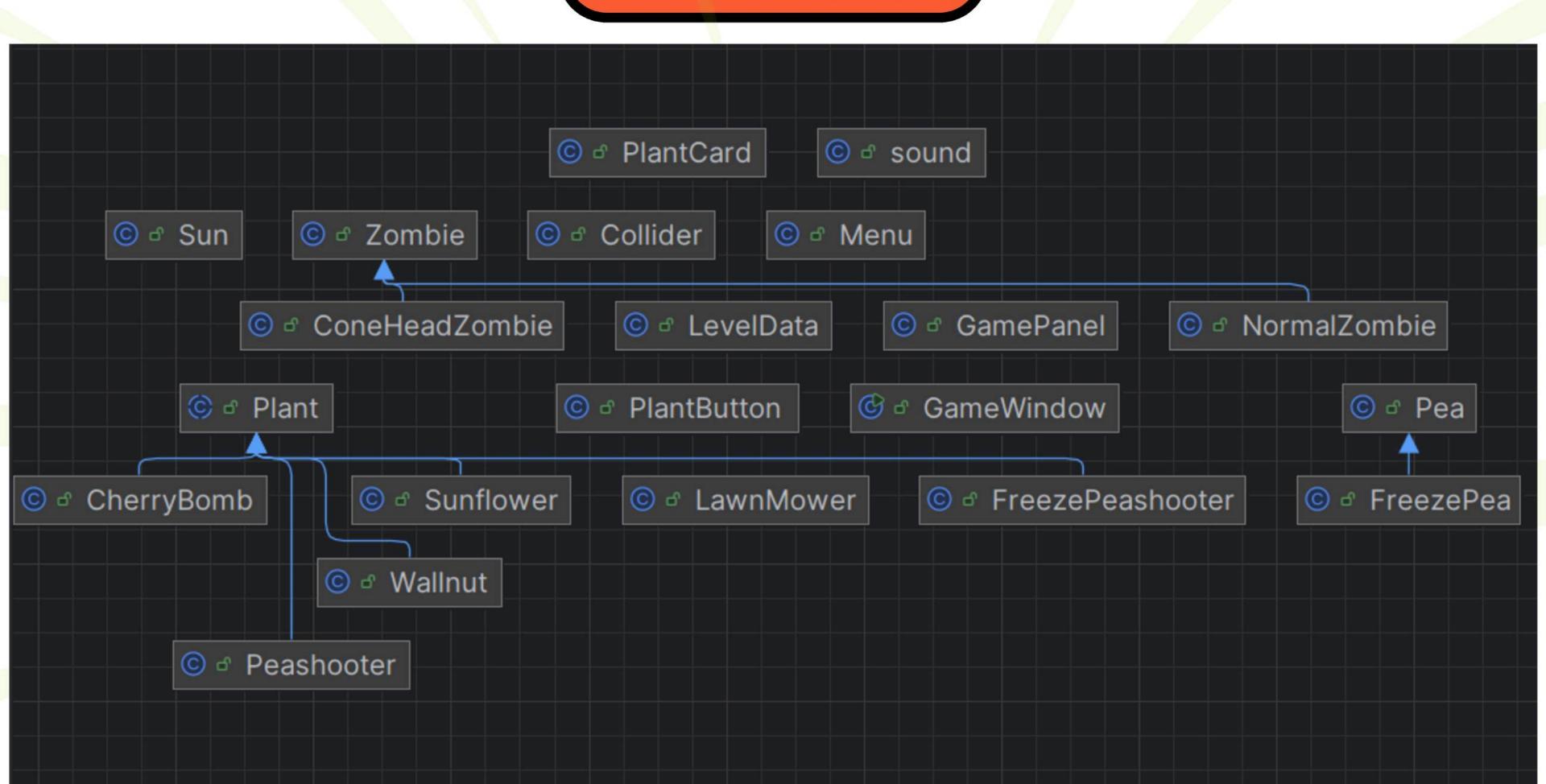
Graphics design

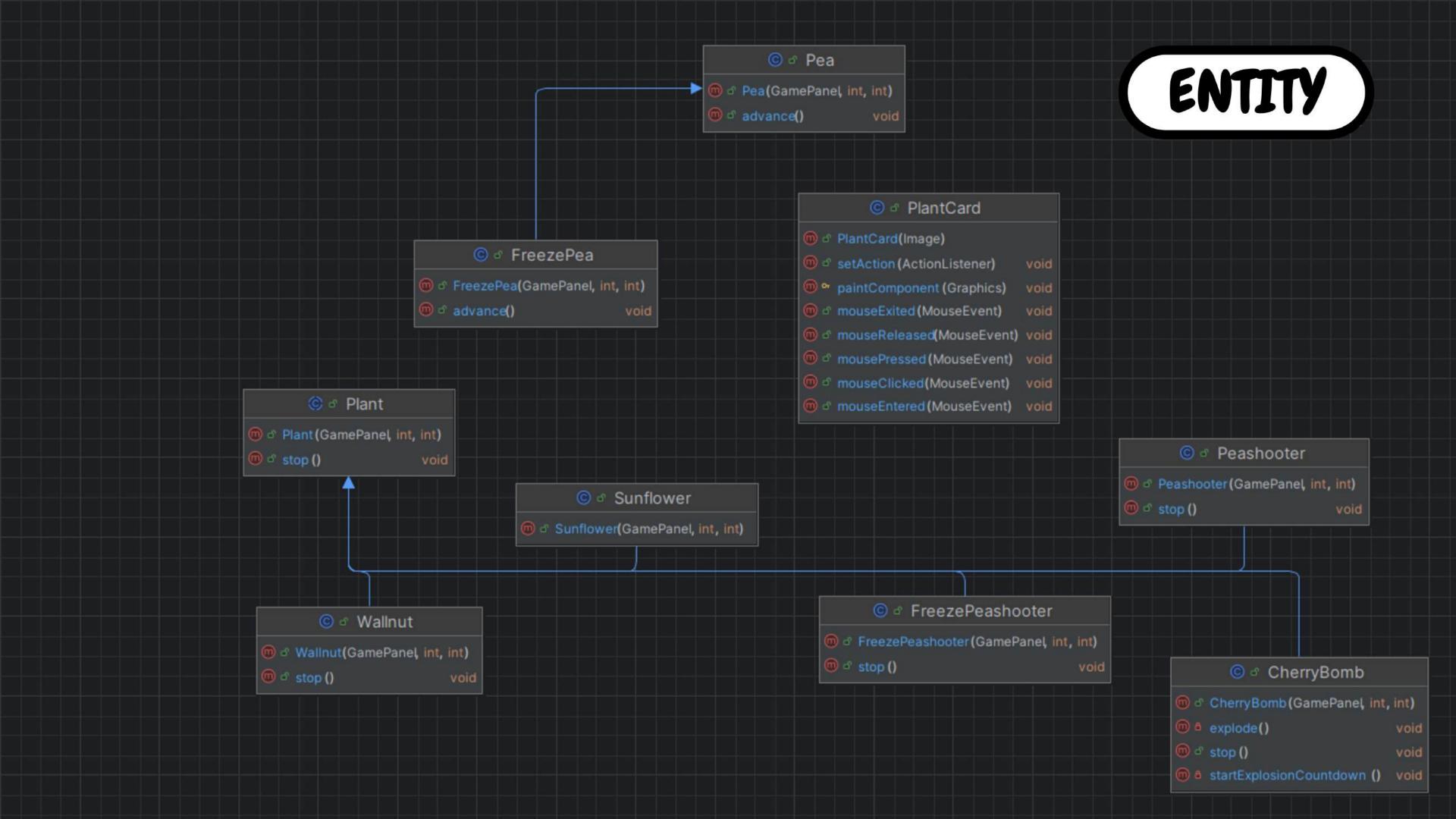


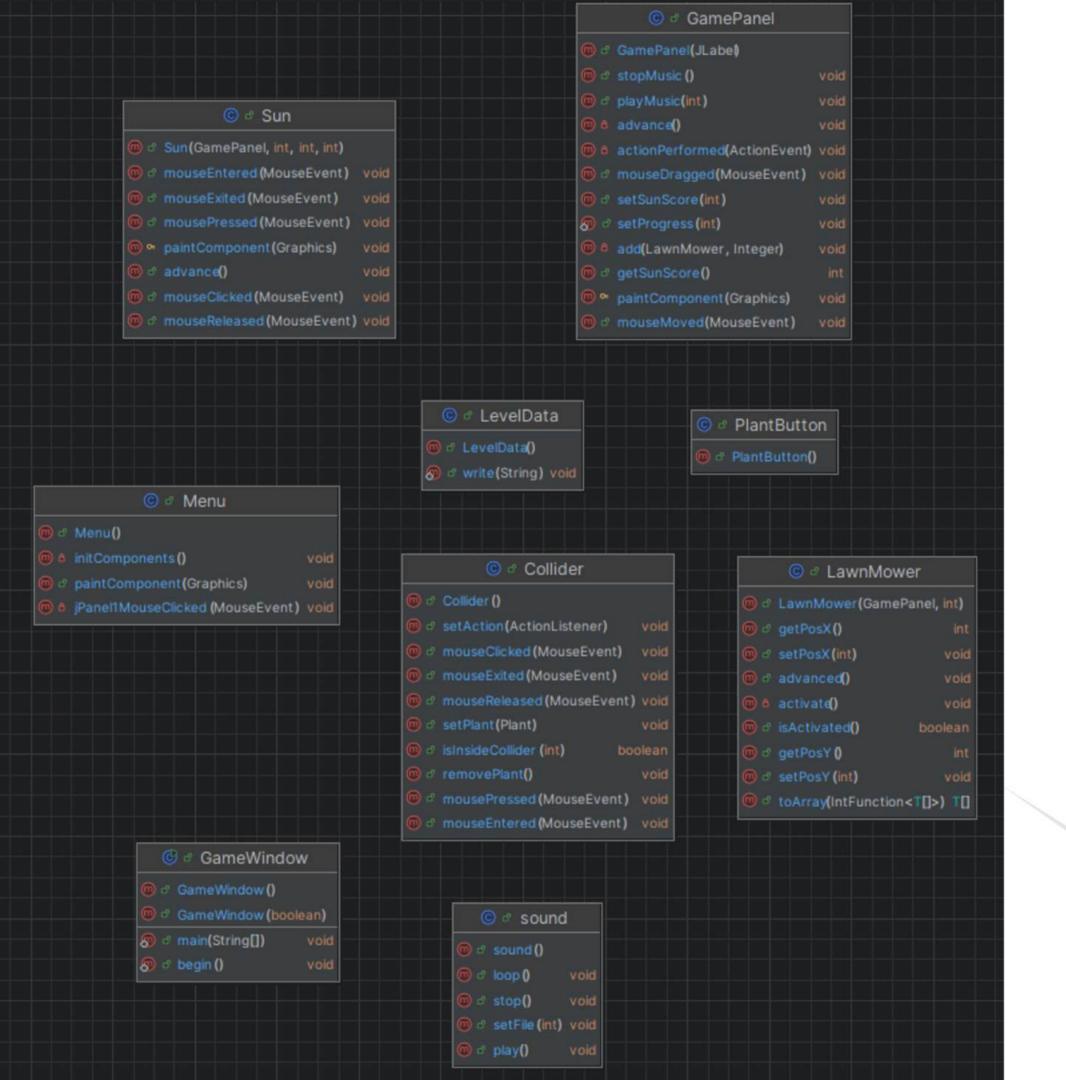




THE OVERALL







GAMEPLAY AND GUI















Coneheadzombie

- Movement
- Interact with the objects



Normalzombie







FreezePeashooter



Peashooter

• Use this to attack incoming zombie







50:

Cherry bomb

Sun flower

- Cherry Bomb: Explodes and destroys zombies within a 3x3 square area.
- Sun flower: Create sunlight to grow more trees







Wallnut

• Walnut: Wall to block zombies



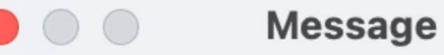










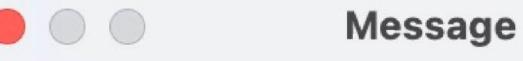


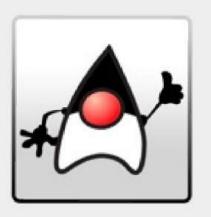


Level Completed !!! Starting next Level







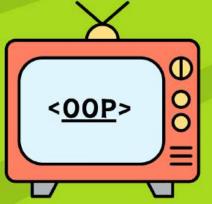


ZOMBIES ATE YOUR BRAIN! Starting the level again





- 1. Game development is more than just coding it requires combining technical skills with creative elements like storylines, environments, and visuals to create an engaging player experience.
- 2. The project enhanced our debugging and troubleshooting skills while assisting us in applying the OOP and problem-solving knowledge we learned in class.
- 3. We learned that success in Computer Science requires continuous selflearning and exploring beyond course materials.
- 4. This experience provided valuable insights into collaborative development, game design, and user experience. We aim to expand the project to mobile platforms in the future.





UNTIL NEXT TIME