PLANTS VS ZOMBIES

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➢ Introduction

This project is a Java-based recreation of the popular game "Plants vs Zombies," where players use plants to defend against waves of zombies. The game incorporates key mechanics like resource management (sunlight), plant placement, and zombie progression. Using object-oriented principles, the game is structured around classes for plants, zombies, and game controls, providing an interactive and engaging 2D experience

➢ Main Characters

Our game uses the following plants and zombies as main charachers:

TYPE	NAME	Description
PLANT	Sunflower	Generates sunlight, which is the primary resource for planting other plants.
PLANT	Double Sunflower	Double the effect of normal sunflowers
PLANT	Peashooter	Shoots peas at zombies, dealing damage from a distance.
LANT	Snowpea	Shoots frozen peas that slow down zombies.
PLANT	Fastpea "Repeater"	Plant that fires two peas at a time, making it more powerful than the basic **Peashooter**.
PLANT	Chomper	Instantly eats a single zombie that comes within its reach. It has a slow recharging time after each use, and it can only attack one zombie at a time.
PLANT	Jalapeno	**Jalapeno** is a spicy plant that, when planted, creates a fiery blast across an entire row
PLANT	Potato	Acts as a landmine. When a zombie steps on it, the potato explodes
PLANT	Cherry Bomb	Explodes on contact, dealing massive damage to all zombies in its range.
PLANT	Squash	Explosive plant that, when triggered, squashes all zombies in a specific area in front of it.
ZOMBIE	Normal Zombie	A normal zombie
ZOMBIE	Flag Zombie	Moves slightly faster and signals a huge wave incoming.
ZOMBIE	ConeHead Zombie	Uses a traffic cone to protect itself.
ZOMBIE	BucketHead Zombie	Has a bucket that is extremely resistant to damage.
ZOMBIE	NewsPaper Zombie	Newspaper zombie, moves slowly at first, moves twice as fast and grunts after its newspaper is destroyed.
ZOMBIE	Football Zombie	Very durable, moves fast.

PLANTS

SUNFLOWER	
Double SUNFLOWER	
PeaShooter	
SnowPea	
Repeater	
Chomper	
Cherry Bomb	
Jalapeno	
tato	
Squash	

ZOMBIES

Normal Zombie	
Flag Zombie	
ConeHead Zombie	
BucketHead Zombie	
Newspaper Zombie	
FootBall Zombie	