ZombiesVsPlantsActivity

- selectedZombie: String
 panelSelected: boolean
- tileToZombieMap: HashMap<View, Zombie>
- gamePaused: boolean
 gameRunning: boolean
- zvpController: ZombiesVsPlantsController
- zvpTimerHandler: Handler
 zvpTimerRunnable: Runnable
- # onCreate(savedInstanceState: Bundle): void
- + addZombie(zombieType: String, tileView: View): Zombie
- + addPlant(plantType: String, xCoordinate: int, yCoordinate, int): void
- + addProjectile(projectile: Projectile, xCoordinate: int, yCoordinate: int): void
- + addLoot(loot: Loot): void
- + getTileFromLane(laneNumber: int): int
- + getLaneFromTile(tileId: int): int
- linearSearch(intArray: int[], searchValue: int): boolean
- getNavigationBarHeight(): int
- + getTileToZombieMap(): HashMap<View, Zombie>
- addTileListeners(): void
- createBackButton(): void
- createPauseButton(): void
- createRestartButton(): void
- createFastForwardButton(): void
- createPanels(): void

ZombiesVsPlantsController - width: int totalBrains: int totalCoins: longpreviousFrameMillis: long plantKillsDuringFrame: int - coinsCollectedDuringFrame: int - playingTimeDuringFrame: long zombieList: ArrayList<Zombie> plantList: ArrayList<Plant> projectileList: ArrayList<Projectile> lootList: ArrayList<Loot> removedZombieList: ArrayList<Zombie> removedPlantList: ArrayList<Plant> removedProjectileList: ArrayList<Projectile> - removedLootList: ArrayList<Loot> - activity: ZombiesVsPlantsActivity - plantSpawnQueue: PlantSpawnQueue counter: int + ZombiesVsPlantsController(width: int, startTime: long, activity, ZombiesVsPlantsActivity, plantRarityList: int[]) getZombieList(): ArrayList \ Zombie> + getPlantList(): ArrayList<Plant> + getProjectileList(): ArrayList<Projectile> + getLootList(): ArrayList<Loot> + getTotalBrains(): int + setTotalBrains(totalBrains: int): void + getTotalCoins(): long + setTotalCoins(totalCoins: int): void getCoinsCollectedDuringFrame(): void + setCoinsCollectedDuringFrame(coinsCollectedDuringFrame: int): void + updateFrame():void - playerLost(): boolean - rumPlantProjectileCollisionSequence(): void - updateProjectileStatus(): void - rumPlantZombieCollisionSequence(): void - updateLootStatus(): void - updateObjectLists(): void - updateObjectLists(): void - updateProjectilePositions(): void - updateProjectilePositions(): void - updatePlantPositions(): void - updatePlantPositions(): void - updatePantPositions(): void - updatePantPositions(): void - updatePermanentStatistics(plantKillsDuringFrame: int, coinsCollectedDuringFrame: int, playingTimeDuringFrame: long): void - resetFrameStatisticCounters(): void - updateCounters(): void - existsPlantInFront(zombie: Zombie): boolean - dropLoot(plant: Plant): void - sufficientBrains(zombieType: String): boolean - runGameOverSequence(): void setCoinsCollectedDuringFrame(coinsCollectedDuringFrame: int): void

