Tank	
Responsibilities	Collaborators
knows the board boundries knows where it is knows the bullets its fired knows its direction knows when it last fired knows starLevel knows lives knows if it has a shield knows its image changes lives and health moves fires bullets responds to keyboard	Bullet PowerUp Board & utilities

TankAl	
Responsibilities	Collaborators
knows the board boundries knows where it is knows the bullets its fired knows its direction knows when it last fired knows difficulty knows type knows if it has powerUp knows each type's image	Bullet Board & Utilities
changes lives and health moves fires bullets has action correspond to difficulty	

CollisionUtility	
Responsibilities	Collaborators
handle different type of collision  bullet - tank collision tank - Al collision tank - block collisioin bullet - Al collision bullet - Collision	Board BoardUtility Tank TankAI Bullets Blocks Animations

Sprite	
Responsibilities	Collaborators
knows location can draw itself as a rectangle Can be visible or not loads an image	All objects in the game use Sprite

Block	
Responsibilities	Collaborators
Destroyed by bullets Knows health Sets health Knows Type can be brick/steel/river/trees/edge/Base	Board Tank Bullets TankAl

Board	
Responsibilities	Collaborators
Keep track of blocks, bullets, and tanks Moves to next stage Checks for game over Takes inputs and updates the game according to game rules	Blocks Bullets Tank TankAI CollisionUtility BoardUtility PowerUp Animation

Pow	erUp
Responsibilities	Collaborators
Know what powerup is holds hold a sprite disappear when picked up Capable of various types of powerUps(shield = tank is invulenrable, star = upgrade tank, tank = improve health, clock = freeze enemy tanks, bomb = blow up enemy tanks)	Board CollisionUtility Tank TankAl

Bullet	
Responsibilities	Collaborators
knows where it is knows its image knows if its upgraded move	Tank TankAl Board + Utilities

Animation	
Responsibilities	Collaborators
Animation when a tank spawn Explosion when bullet hit a tank or block	Board + Utilities

BoardUtility	
Responsibilities	Collaborators
Spawn and update TankAI Spawn and update PowerUp Update animation Update blocks Update bullets in the board Update Tank	Board + Utilities Tank TankAl PowerUp Animation

SoundUtility	
Responsibility	Collaborators
Create sound effect for many different events	Board + Utilities Tank

ImageUtility	
Responsibility	Collaborator
Mainly handling the Image for Menu and ScoreBoard	Board Menu ScoreBoard

ScoreBoard		
Responsibilities	Collaborator	
Showing player final score when game over Knows how many of each tank were killed	Board	

GameMain	
Responsibilities	Collaborators
Runs the game	Menu

Menu		
Responsibilities	Collaborators	
Shows the menu Stars the game with enter	Board ImageUitlity	