Class: Game
Attributes:
- Maze maze
- Pacman pacman
- std::vector <ghost> ghosts</ghost>
- int score
- int highscore
- int lives
- bool paused
- bool gameOver
- bool gameStarted
- std::string highscoreName
- int level
- bool fruitActive
- float fruitTimer
- float pauseTimer
Functions:
- void Init()
- void Update()
- void Draw()
- void HandleInput()
- void CheckCollisions()
- void ResetGame()

- void LoadHighscore()

- void SaveHighscore()

Class: Maze

Attributes:

- int grid[HEIGHT][WIDTH]
- Vector2 tileSize
Functions:
- void GenerateRandom()
- void Draw()
- bool IsWall(int x, int y)
- Vector2 GetTileSize()
Class: Pacman
Attributes:
- Vector2 position
- Vector2 direction
- int speed
- bool isAlive
- float deathTimer
Functions:
- void Update(Maze &maze)

- void Draw()
- void Move(Maze &maze)
- void Reset(Vector2 startPos)
Class: Ghost
Attributes:
- Vector2 position
- Vector2 direction
- int speed
- Color color
- bool isFrightened
- float frightenedTimer
- int type
Functions:
- void Update(Maze &maze, Vector2 pacmanPos)
- void Draw()
- void Move(Maze &maze)
- void Reset(Vector2 startPos)
Class: Coin
Attributes:
- Vector2 position
- bool collected

- void Draw() - bool CheckCollision(Vector2 pacmanPos) Class: Fruit Attributes: - Vector2 position - bool active - float timer Functions: - void Update() - void Draw() - bool CheckCollision(Vector2 pacmanPos) Class: HighscoreManager Attributes: - int highscore - std::string name Functions: - void Load() - void Save()	Functions:
Class: Fruit Attributes: - Vector2 position - bool active - float timer Functions: - void Update() - void Draw() - bool CheckCollision(Vector2 pacmanPos) Class: HighscoreManager Attributes: - int highscore - std::string name Functions: - void Load()	- void Draw()
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Attributes: - int highscore - std::string name Functions: - void Load()	
int highscorestd::string nameFunctions:void Load()	Class: HighscoreManager
- std::string name Functions: - void Load()	Attributes:
Functions: - void Load()	- int highscore
- void Load()	- std::string name
- void Load()	
	Functions:
- void Save()	- void Load()
	- void Save()
- void UpdateScore(int score, std::string name)	- void UpdateScore(int score, std::string name)
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