



# BRICK BREAKER GAME

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# MOTIVATION BEHIND PROJECT



## **TIRED OF BORING PROGRAMS**

Examples include Library Management System, Attendance Management System, etc



## **ENTERTAINMENT VALUE**

Developing and playing your own game has immense entertainment potential.

# PROJECT OVERVIEW



GAME OVER!!!



Brick Breaker Game is a single-player, widely popular platform game, which has, after its initial release in 1999, become a world-wide classic





# PROJECT DESCRIPTION

**01**

**THE PLAYER MUST  
BREAK ALL THE  
TILES TO WIN THE  
GAME**

**02**

**THE PADDLE  
CAN MOVE  
ALONG  
HORIZONTAL TO  
BOUNCE THE  
BALL**

**03**

**PLAYER LOSES  
A LIFE IF THE  
BALL FALLS  
DOWN THE  
SCREEN**

**04**

**RUNNING OUT  
OF LIVES  
MEANS “GAME  
OVER!!!”**

# PROJECT AIMS AND OBJECTIVES



**TO DEVELOP A  
PLATFORM GAME,  
INTENDED FOR  
ENTERTAINMENT  
PURPOSES**



**TO EMPLOY OOP  
TECHNIQUES TO  
MAKE THE CODING  
PROCESS  
EFFICIENT**



**TO LEARN THE USE  
OF PYGAME  
LIBRARY, IN GAME  
DEVELOPMENT**



# PROJECT METHODOLOGY



## Using *Pygame Library*

- Screen fill, blit, flip methods useful for game development
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## Modules for Game Elements

- Different classes to describe game elements like Bricks, Paddle, Ball, Health Bar.
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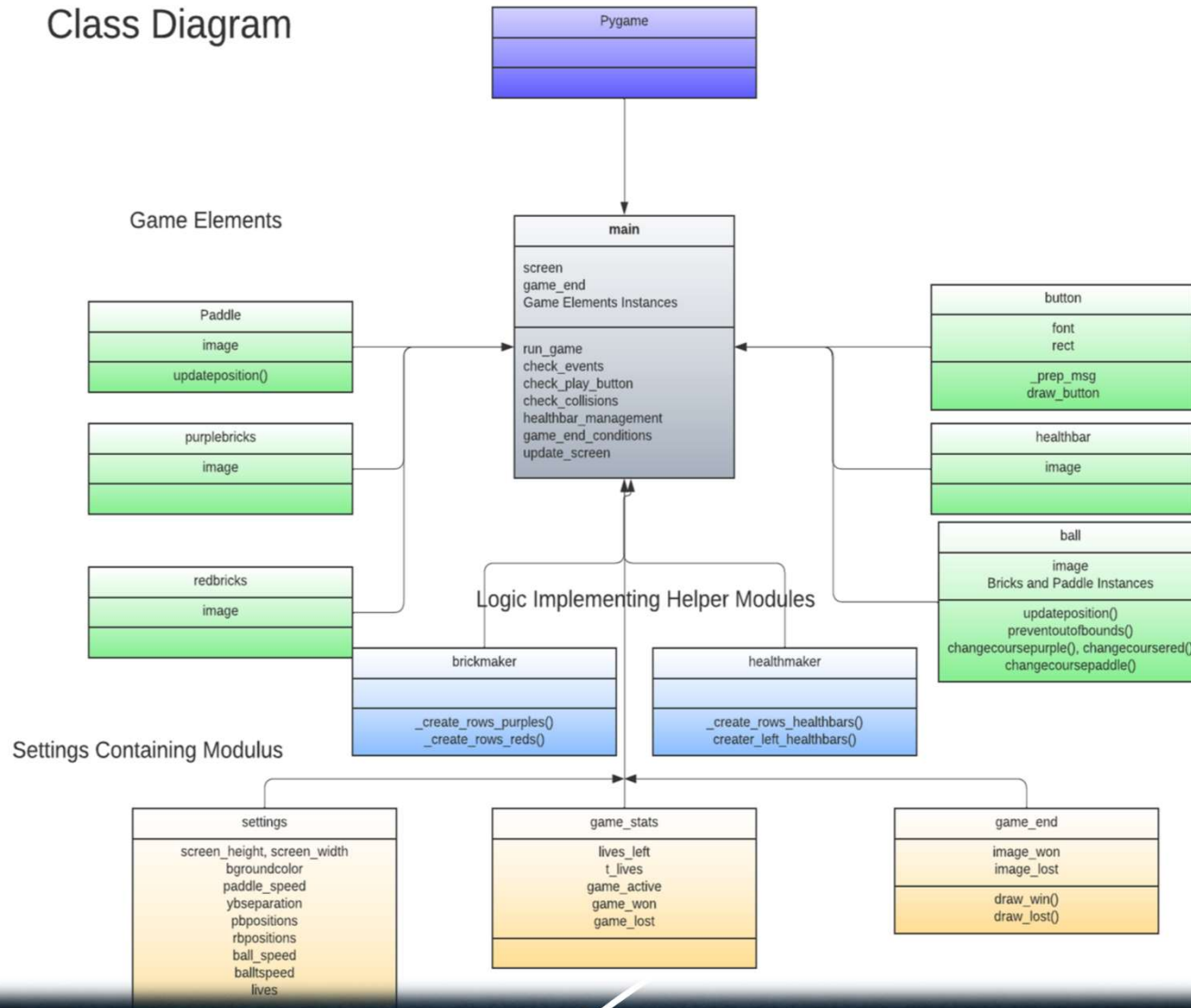
## Inheriting `pygame.sprite` Base Class

- Useful for grouping similar objects like rows of bricks.
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## Helper Modules, containing logics like

- Reflections Of Ball, Health Bar Control, Brick Rows Management
- 

## Class Diagram



# PROJECT DEMONSTRATION

(drumroll please,,,,)



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Play



# FUTURE IMPROVEMENTS



**MORE LEVELS  
OF  
PLAYTHROUGH**

**INTRICATE  
LEVEL DESIGNS**



**SCORING  
SYSTEM**

**POWER UPS**





**THANK YOU!**