



# Bricks vs Defender

**A Multiplayer Gaming Experience**  
**Combination of Brick Breaker & Ping Pong with some intuitive additional features**  
**Based on Last Man Standing gaming concept.**

**Latest Version: Ver1.0 - MVP-1**

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Last Updated: Nov 13, 2018

Links:

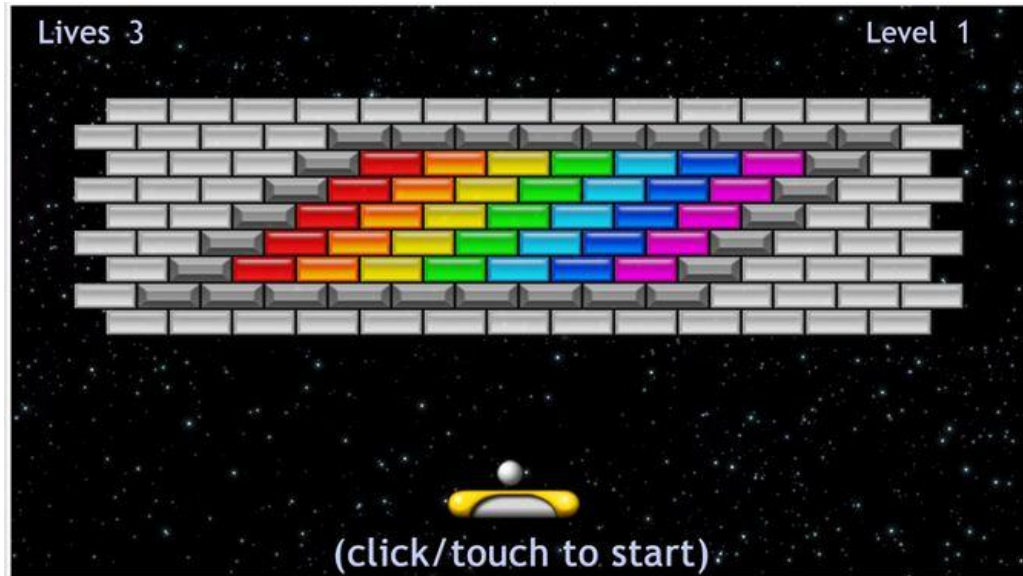
- Project Repo: [Link](#)
- Design Proposal: [Link](#)
- Demo: [Link](#)

# Game Design

**Objective:** Combination of classic Brick Breaker & Pinball Machine Game

**Design Document:** [Link](#)

Brick Breaker Game



Pinball Machine Game





# Game Design - Instructions & Features

Refer -> **Design Document:** [Link](#)



## Features

- Multiplayer support (upto 2 player in a single screen)

## Instructions (refer wireframe slide)

- A player wins when more bricks being created using the Quaffle (ball) for opposite defending player such that the defending player will not be able to clear the bricks anymore.

# Game Design - Explanation & Features

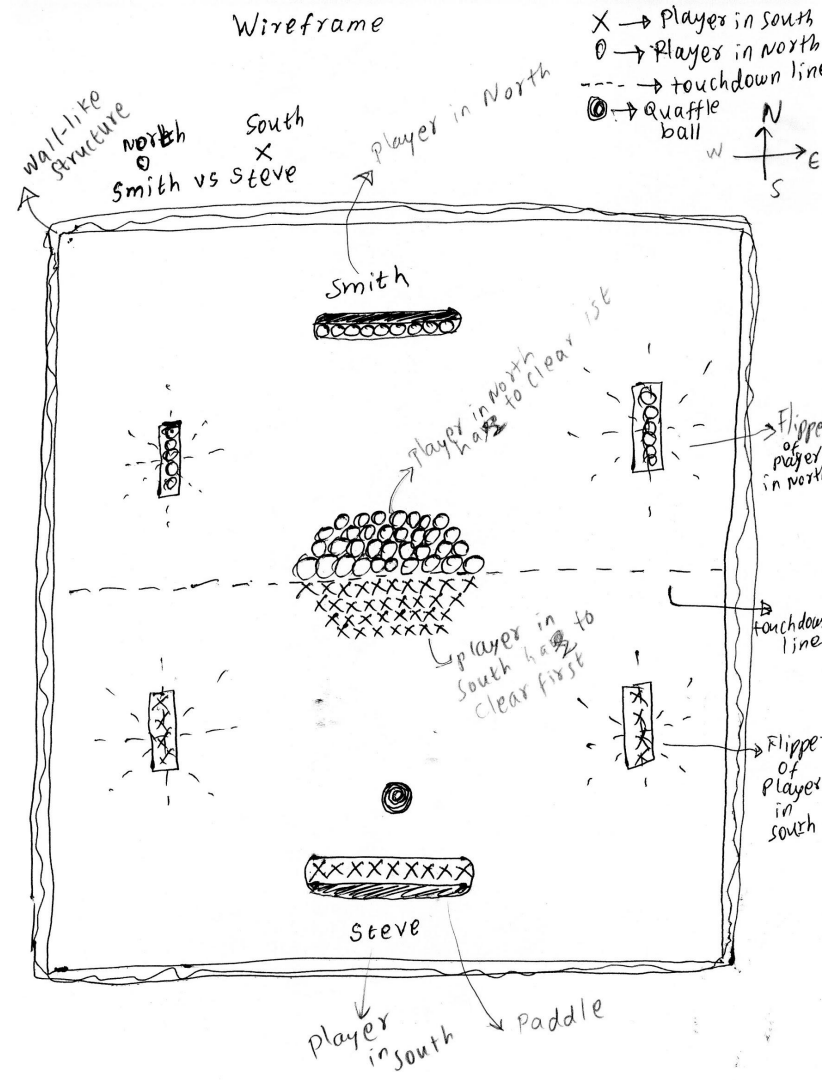
Refer -> **Design Document:** [Link](#)

## Features

- Multiplayer support (upto 2 player in a single screen)

## Explanation (refer wireframe on right side)

- **Win State:** A player wins when more bricks being created using the Quaffle (ball) for opposite defending player such that the defending player will not be able to clear the bricks anymore.
- **Example:** Steve (Player in South) vs Smith (Player in North)
  - Steve starts the game with Quaffle and tries to clear his bricks
  - Steve can use Flippers on his side to make the Quaffle in his side
  - Quaffle may end up in Smith's side over a period of time
  - If so, Smith clears his bricks using the Quaffle & his Flippers
  - State reached when there is no bricks to clear for a player, say Steve. That's a touchdown. Now, Steve creates more bricks for Smith to clear.
  - Player wins as per Win State aforementioned.



# Project - Planning

(**Aim:** To complete as much MVP versions as possible before semester ends) | (color coded the current **\*Project Completion Status**)

- **MVP v1:** Brick Breaker game + score manipulate
- **MVP v2:** Flippers add + sound effects
- **MVP v3:** Single screen with two player with paddle alone
  - players playing against each other using a paddle on their side in a single screen (may use 2 keyboards or single keyboard with different keys being assigned to the 2 player accordingly) with touchdown line as the wall and players playing in their side alone. (say player wins if the player clears all the bricks on his/her side)
- **MVP v4:** Single screen with two player with flipper - Flipper feature include
- **MVP v5:** two players against with touchdown line
  - Include touchdown line and give the functionality of creating cum assigning the bricks to opposite defending player if a player reaches touchdown line
- **MVP v6:** I have never programmed a game in my life in this proposal intense; so, first I will try to complete upto MVP v5 before this semester ends, then I will plan after that since I believe I will die and resurrect to complete the planned MVPs from 1 to 5 itself.

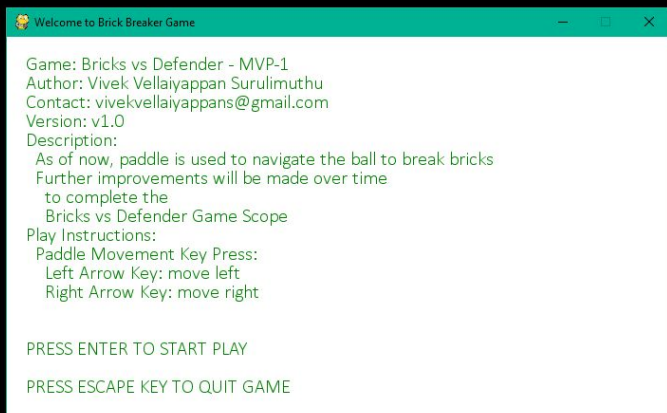
**\*Project Completion Status:** Pending In Progress Completed Deprecated

# Project - Demo - MVP-1 ver1.0

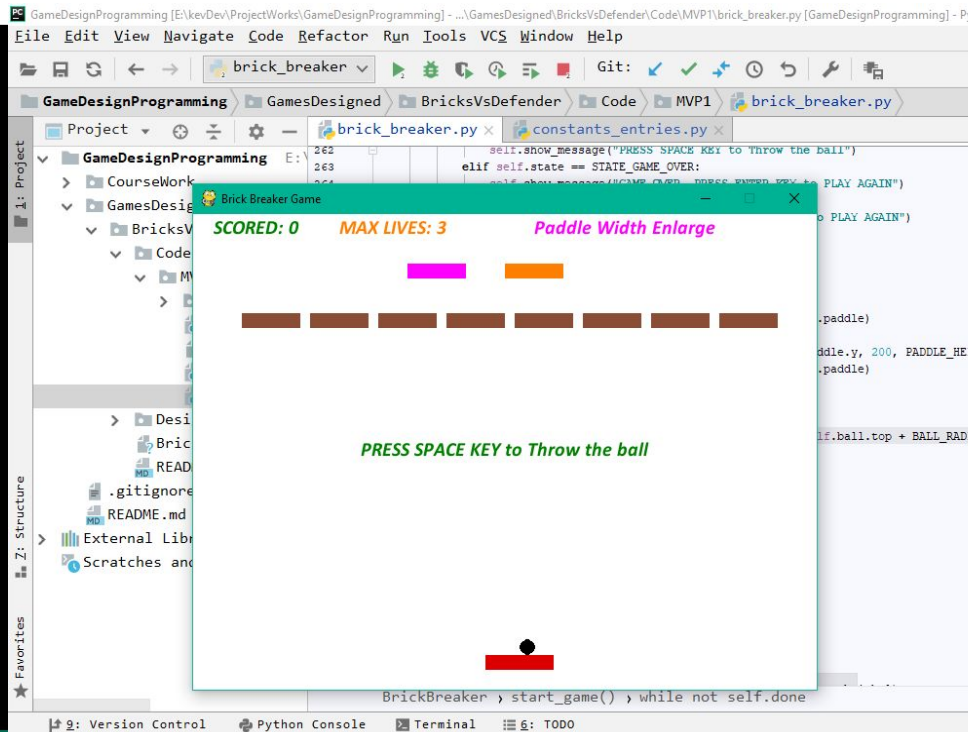
## Welcome Screen

```
C:\Windows\System32\cmd.exe - python brick_breaker.py
Microsoft Windows [Version 10.0.17134.345]
(c) 2018 Microsoft Corporation. All rights reserved.

E:\kevDev\ProjectWorks\GameDesignProgramming\GamesDesigned\BricksVsDefender\Code\MVP1>python brick_breaker.py
pygame 1.9.4
Hello from the pygame community. https://www.pygame.org/contribute.html
```



## Game Start Home Screen



# Project - Demo - MVP-1 ver1.0

Power Up - Max Lives

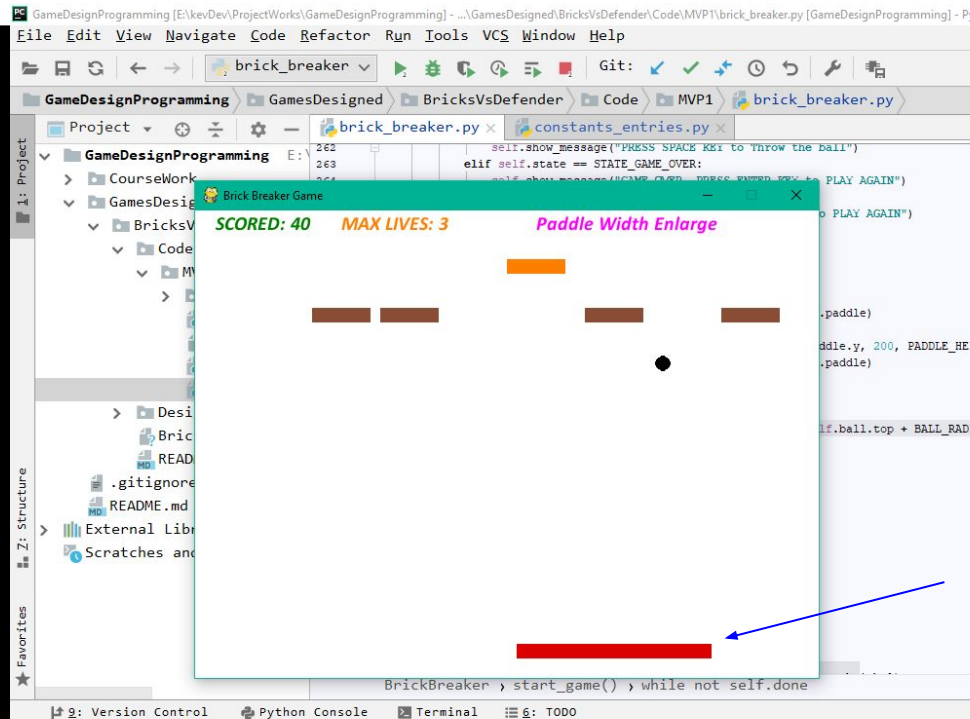
```
C:\Windows\System32\cmd.exe - python brick_breaker.py
Microsoft Windows [Version 10.0.17134.345]
(c) 2018 Microsoft Corporation. All rights reserved.

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E:\kevDev\ProjectWorks\GameDesignProgramming\GamesDesigned\BricksVsDefender\Code\MVP1>python brick_breaker.py
pygame 1.9.4
Hello from the py
```



Power Up - Paddle Width Enlarged



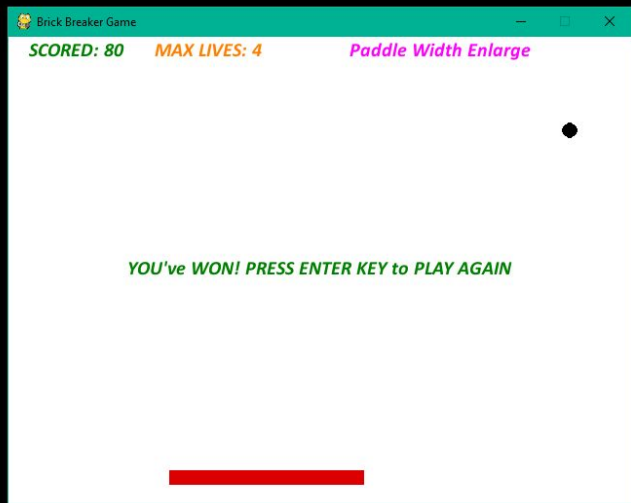


# Project - Demo - MVP-1 ver1.0

Game Won

```
C:\Windows\System32\cmd.exe - python brick_breaker.py
Microsoft Windows [Version 10.0.17134.345]
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pygame 1.9.4
Hello from the pygame community. https://www.pygame.org/contribute.html
```



Game Over

```
C:\Windows\System32\cmd.exe - python brick_breaker.py
Microsoft Windows [Version 10.0.17134.345]
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Hello from the pygame community. https://www.pygame.org/contribute.html
```



**Thank You!**  
**Have a good one!**

