

# Gaming Hub

## WE3 Project

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## Brief Overview

An interactive and user-friendly Gaming Hub to play cool & fun retro online games! The Gaming Hub provides you with a collection of classic retro games, including puzzle games, trivia games, maths games, colour games and much more... ENJOY!

(<https://we-gaming-hub.netlify.app>)

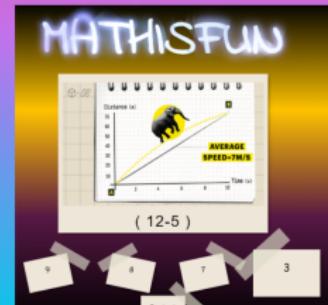
(<https://gitlab.com/bhambrilavisha/gaming-hub/>)

# Gaming Hub

## Gaming Hub

Hey, want to refresh yourselves?

What are you waiting for? Let's jump to any of the games

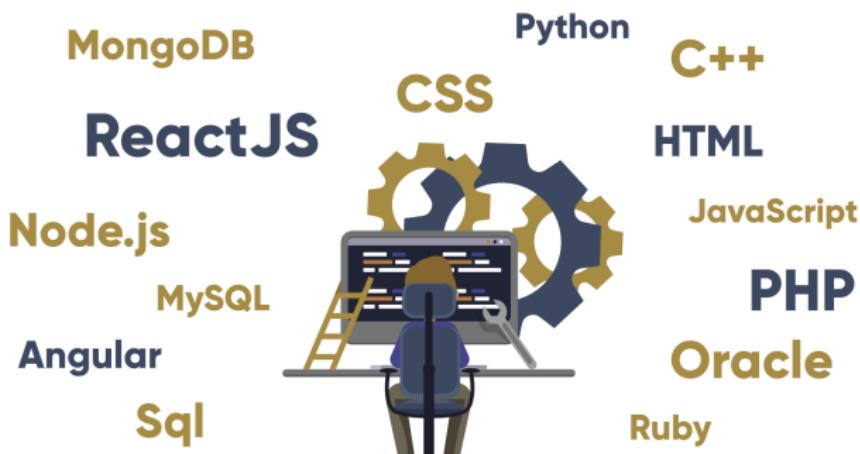


## Why did we choose this project?

- We wanted to explore and learn various tech-stacks that are included in the project.
- We can improve our creativity and coding skills by building different types of games.
- A great source to develop early learning skills for younger children.
- Helps children to think fast strategically & improves their problem-solving skills.

# Tech Stack

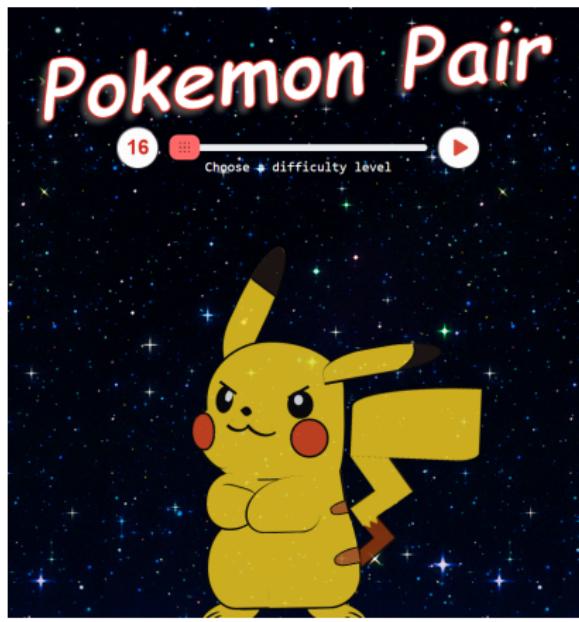
- HTML5
- CSS3
- Bootstrap
- Vanilla JavaScript
- React.js



## Pokemon Pair

A simple, straightforward memory game, Pokemon Pair is designed to test the player's memory by matching cards properly with less moves and in faster time.

(<https://pokemon-pair.netlify.app/>)



## Tic Tac Toe Game

Tic-tac-toe is a game in which two players take turns in drawing either an ' O' or an ' X' in one square of a grid consisting of nine squares. The winner is the first player to get three of the same symbols in a row. (<https://we-tictactoe.netlify.app/>)



# 2048

2048 is a single-player sliding block puzzle game. The game's objective is to slide numbered tiles on a grid to combine them to create a tile with the number 2048. No of lines of code are approximately 200 in javascript file.

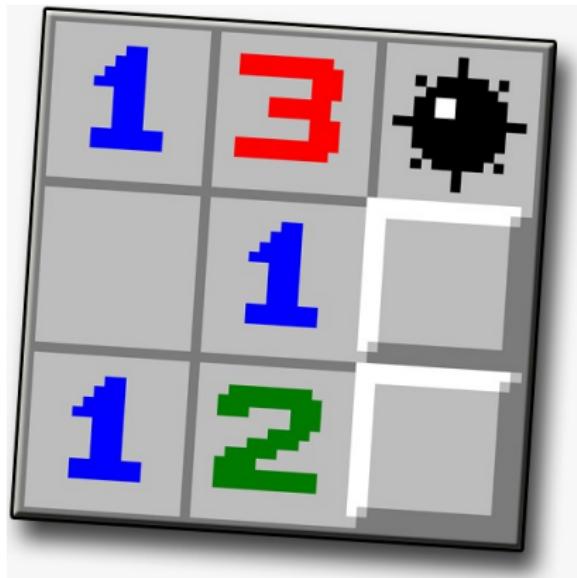
(<https://we-game-2048.netlify.app/>)



## Minesweeper

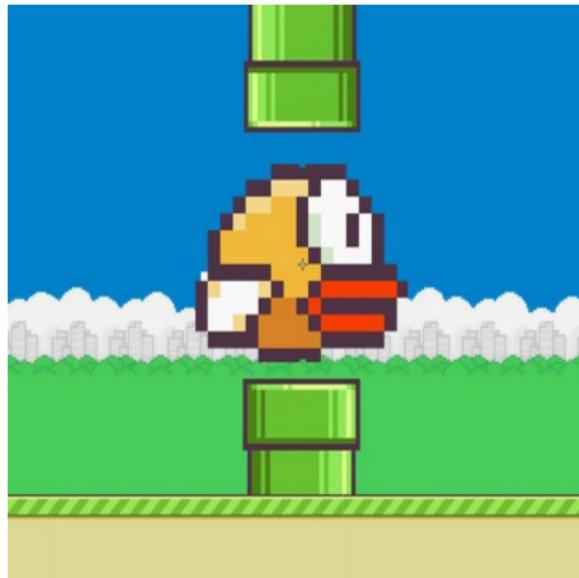
A single-player puzzle game, Minesweeper has the objective of clearing a rectangular board containing hidden "mines" (bombs) without detonating any of them.

(<https://game-minesweeper.netlify.app/>)



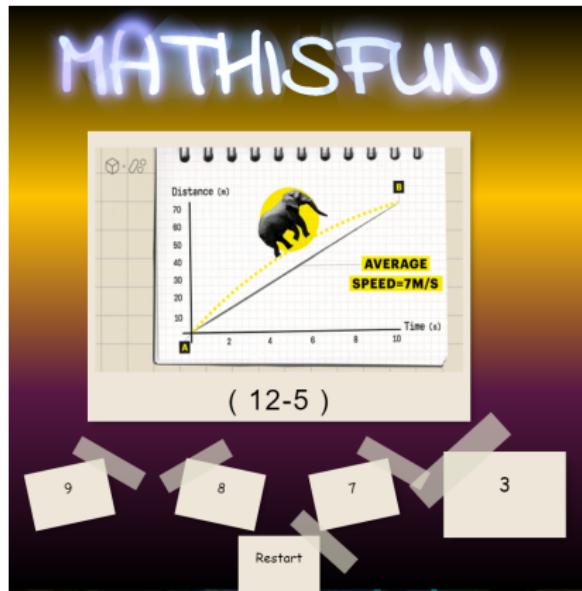
## Flappy Bird

Flappy Bird is a side-scroller game where the player controls a bird, attempting to fly between columns of green pipes without hitting them or crashing! Approximately 400 lines of code.  
[\(https://we-flappy-bird.netlify.app/\)](https://we-flappy-bird.netlify.app/)



# Math Is Fun

A trivia game, kids can enjoy playing MathIsFun along with honing their mathematics skills by answering simple algebra questions in a specified time frame. (<https://mathisfunn.netlify.app/>)



## Rock Paper Scissors

Rock Paper Scissors is a hand game, usually played between two people, in which each player simultaneously forms one of three shapes with an outstretched hand. The objective of Rock, Paper, Scissors is to defeat your opponent by selecting a weapon that defeats their choice.

(<https://we-rock-paper-scissorss-game.netlify.app/>)



## Color Game

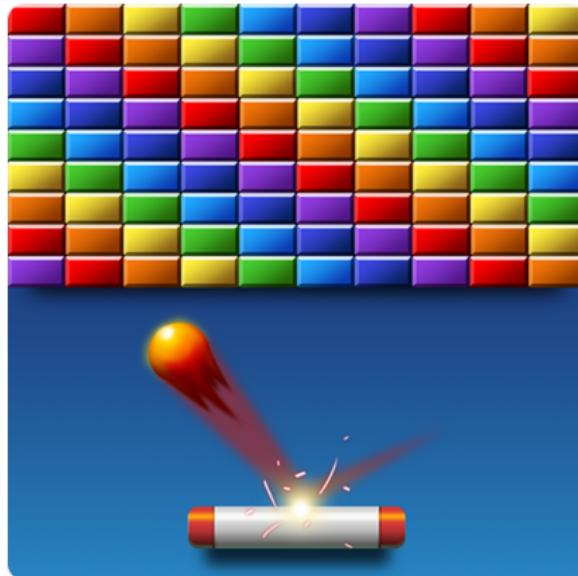
RGB Color Game is where you can test your color sense and guessing skills by attempting to choose the option which matches correctly with its given RGB value.

(<https://color-test-game.netlify.app/>)



## Balls And Tiles

A basic implementation of the Atari Breakout game. In this game, the player moves a paddle on the screen and bounces a ball or balls. The objective is to destroy bricks in the top of the window.  
[\(https://we-ball-tiles.netlify.app/\)](https://we-ball-tiles.netlify.app/)



## Difficulties and Challenges

- We didn't have a group leader which led to delayed decisions, inappropriate division of tasks, reduced productivity, etc.
- Faced problems while deciding the project & its tech-stack
- Needed to investigate on how to integrate all the features on the website
- Got errors & bugs while implementing various features
- Lack of proper communication made it litter challenging
- How to make it more interactive and user-friendly?

# Our learnings

- Team work and collaboration
- Explore various technologies & the concepts like making responsive websites, adding animation effects using JavaScript
- Improved logical thinking while developing various games
- Use of Git & GitHub
- Writing clean & readable codes
- Making presentations in latex using overleaf

## Future Works

- Multiplayer Games - We are working on to add a feature such that multiple players can play with each other simultaneously.
- Login/Sign up feature - This will help users to keep track of the games played by them and their current standings.
- Adding more interactive and high level games on the website.



A red neon sign with the words "THANK YOU" in a bold, sans-serif font. The letters are illuminated from within, casting a bright glow. The sign is mounted on a black metal frame with visible mounting hardware. The background is a dark, textured surface.

THANK  
YOU