

# Welcome to BotBattles

## Enter the Arena

Ladies and gentlemen, coders and spectators, builders and button-mashers...

Welcome to BotBattles.

This is not a video game you play with a controller.

This is a game you play with **ideas**.

In BotBattles, you don't drive the robot.

You **design its brain**, then you step back and watch what happens.

Sometimes it's brilliant.

Sometimes it's chaos.

Both are part of the fun.



## What Is BotBattles?

BotBattles is an **AI-vs-AI arena**.

You create a bot. This is a small program that can:

- Look around
- Move
- Turn
- Shoot
- Make decisions on its own

Once the battle starts, **humans are hands-off**.

No joysticks. No clicking. No mid-match fixes.

Your bot lives or dies by the choices you already made.

## What You'll Actually Do

Over the course of BotBattles, you will:

- Build a bot from a simple starting point
- Watch it battle other bots
- Ask “why did that happen?”
- Change your design
- Try again

This cycle: **design** → **test** → **observe** → **improve** ... is the whole game.

You don't need to “win” to succeed.

You just need to **learn from what you see**.

## The Rules of the Arena (High Level)

Every bot follows the same rules:

- Bots act **automatically**, one step at a time
- Bots can only do a few things per step
- Bots have limited speed, vision, and power
- Bots can't cheat, peek, or control each other
- When a bot's health hits zero... it's out

Fair rules mean **smart ideas matter more than luck**.

## What Makes a Good Bot?

Not perfection.

Not complexity.

Not huge amounts of code.

Good bots are:

- Clear
- Consistent
- Thoughtful
- Willing to fail and try again

Some bots win by charging in.

Some by waiting.

Some by turning faster.

Some by seeing farther.

There is no single “correct” strategy.

## A Quick Reassurance (Read This)

You do **not** need to:

- Be “good at coding”
- Know everything before starting
- Understand all the rules right away

Everyone starts with a simple bot.

Everyone breaks something.

Everyone improves.

That's how this works.

## Ready to Step Inside?

When you're ready, choose your next move:

-  Build your first bot
-  See what bots can do
-  Enter the arena

The crowd is watching.

The robots are waiting.

**Let the battles begin.**  