

# GameMaker

A Commercial IDE for Game Development



GameMaker™

# You Might Have Hear of...

Undertale



Deltarune



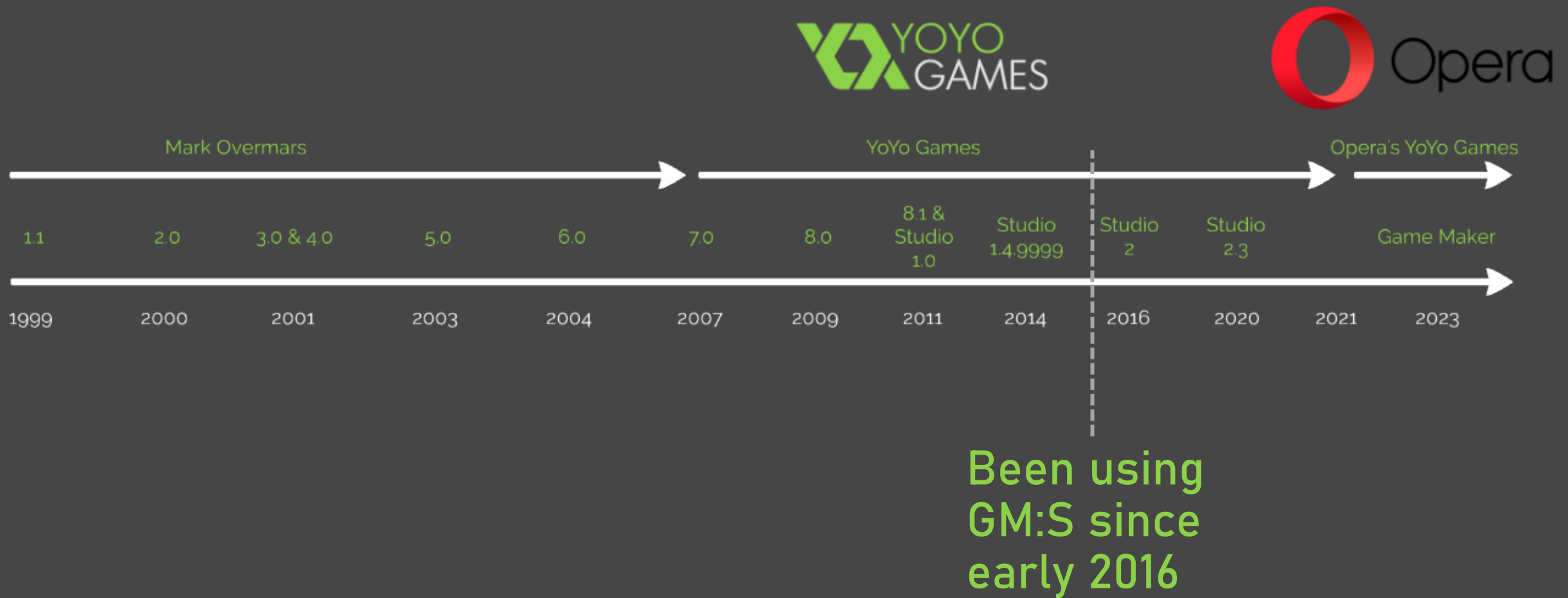
Hotline  
Miami



Hyper  
Light  
Drifter



# Background



# Feature Set

- Strong 2D capabilities
- Good backwards compatibility
  - Huge repository of tutorials dating back ages
- Very lax coding standards & No code capabilities
  - Prototyping made very easy
- Robust ecosystem of premade extensions and templates
- Very engaged community
- Free to start with for anyone
- Many supported platforms

# Lax Coding

```
if (condition == true  
&& !other)  
{  
    do_something();  
    //Code  
}
```

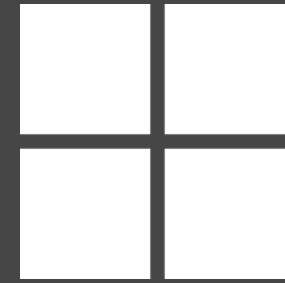


```
if bedingung = true  
and other = 0  
begin  
    do_something()  
    //Code  
end
```

- Both is permitted
- Confusing naming style in the world of OOP:  
Class -> Object; Object -> Instance
- Even Scratch style Drag and Drop is possible

# Supported Platforms

- Windows, Mac (M1 & Intel), Linux
- Android, FireOS, IOS, IpadOS, tvOS
- Web & Opera GX
- Xbox One & Xbox Series Family
- PlayStation 4 & 5
- Nintendo Switch
- Microsoft UWP – Phone, MS Store, Xbox – Deprecated
- PlayStation 3 & Vita – Homebrew
- Even more homebrew platforms...



# Target Audience

- Beginners regardless of age and background
- Hobby (Indie) developers
- Artists making a game around their art
  - Such as how Toby Fox made Undertale with his own music

# Drawbacks

- Weak 3D capabilities
- Winding out of licensing commitments
  - Only subscriptions now, no more lifetime licenses
  - GameMaker: Studio ended -> Game Maker Studio 2 renamed -> GameMaker
  - My lifetime GM:S license has been revoked
- Multiplatform support breaks occasionally
- More advance users fight with the built in features
  - A lot happens implicitly
  - Reserved variables get auto applied
  - Breaks lots of OOP conventions
  - Doesn't enforce good style



# Should You Use it?

- Quite frankly, no.

- But I like it :)

# Live Coding

- Remaking my first simple game

