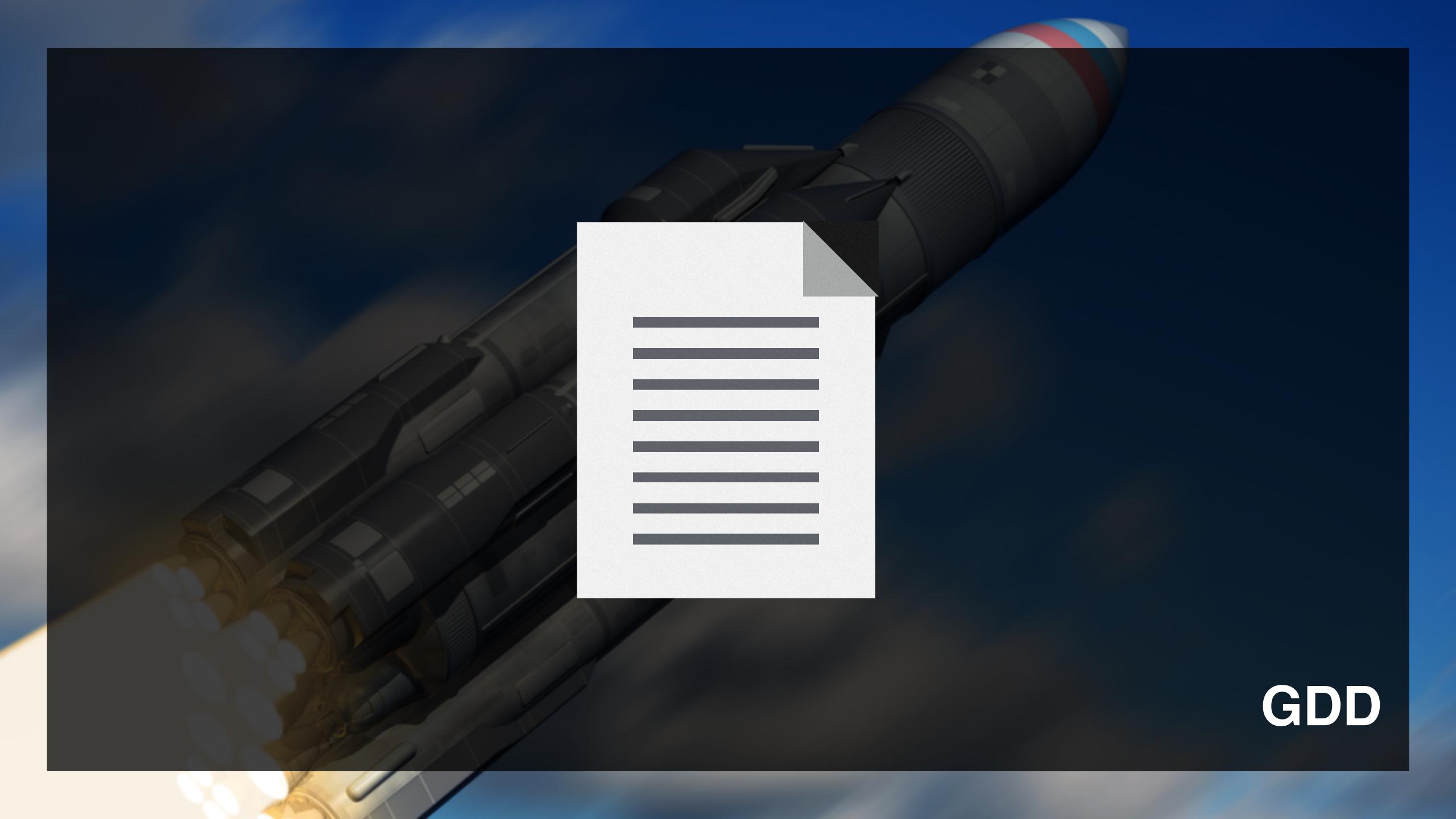
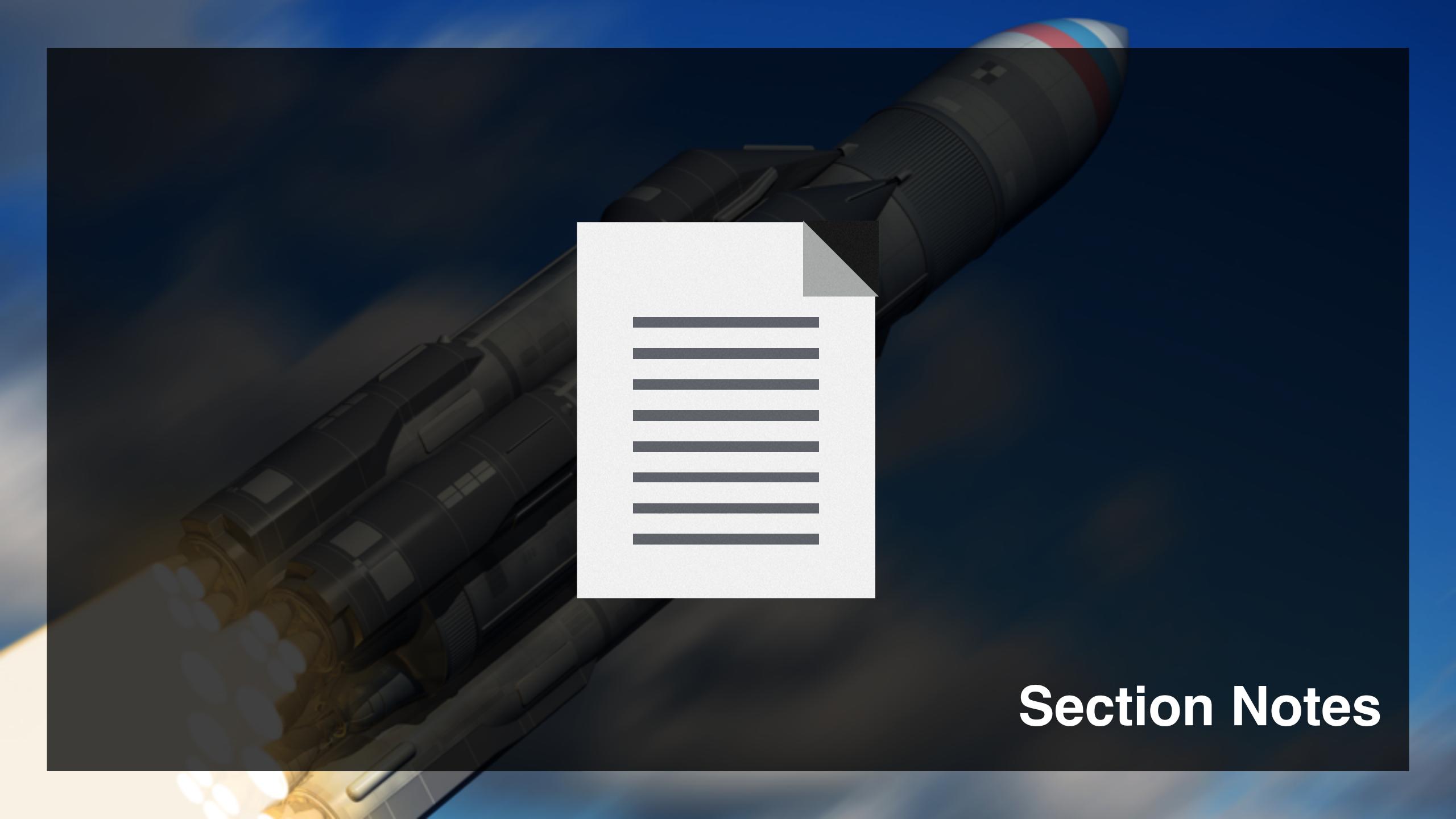


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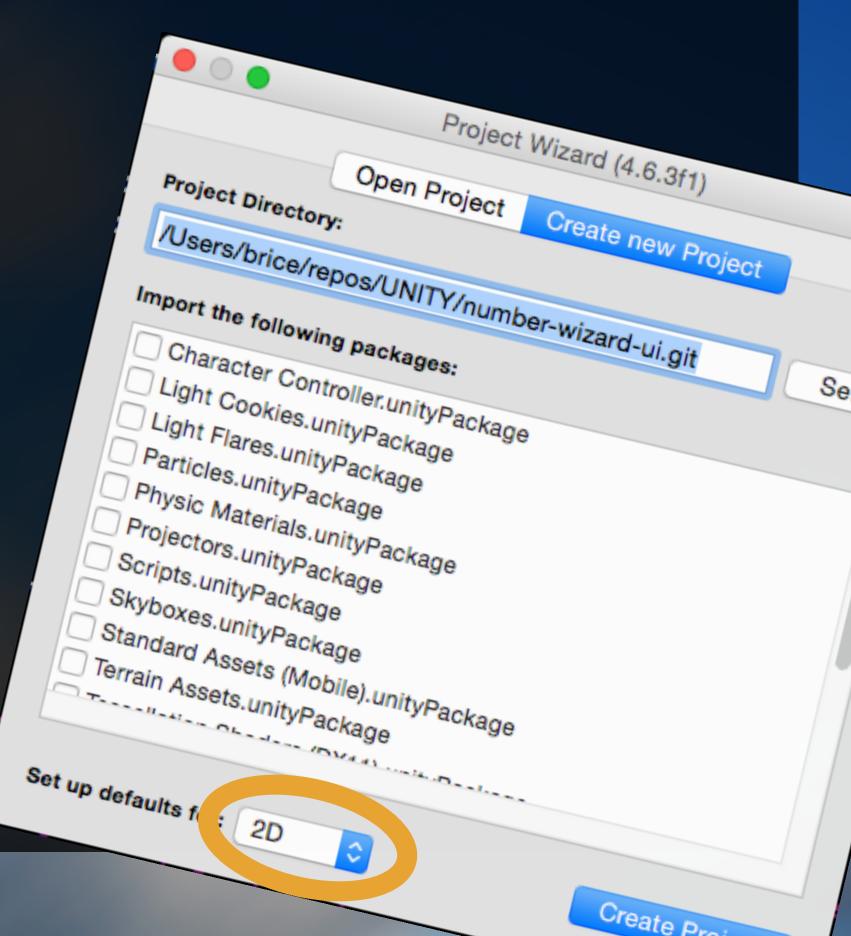






Creating new Scenes and Levels

- We'll create a new Start, Win, Game and Lose
 - scene in a new 2D project
- Scenes and Levels are the same
- That's it :-)



Create three new scenes

• In the same way as we created the **Start** scene create the **Game**, **Lose**, and **Win** scenes





In this video

- How to add a text element to a scene
- How to scale and position text elements
- Using the UI mode to position elements

Add a subtitle

 In the same manner as we added a title, add a subtitle prompting the user to make a choice of number

Be Aware of old style GUI code

```
Physics

    Scripting

Audio
Animation
- UI

    UI Overview

         Canvas
         Basic Layout
         Visual Components
         Interaction Components
         Animation Integration
         Auto Layout
         Rich Text
      Legacy GUI Scripting Guide
            GUI Basics (Legacy)
            Controls (Legacy)
```

Customization (Legacy)

Layout Modes (Legacy)

Extending GUI (Legacy)

■ UI How Tos

Ul Reference

Navigation and Pathfinding

Architecture

How to contribute to Unity

Platform Specific

Making Controls with UnityGUI

UnityGUI controls make use of a special function called OnGUI(). The OnGUI() function gets called every frame as long as the containing script is enabled - just like the Update() function.

GUI controls themselves are very simple in structure. This structure is evident in the following example.

```
/* Example level loader */

// JavaScript
function OnGUI () {
    // Make a background box
    GUI.Box (Rect (10,10,100,90), "Loader Menu");

    // Make the first button. If it is pressed, Application.Loadlevel (1) will be executed
    if (GUI.Button (Rect (20,40,80,20), "Level 1")) {
        Application.LoadLevel (1);
    }

    // Make the second button.
    if (GUI.Button (Rect (20,70,80,20), "Level 2")) {
        Application.LoadLevel (2);
    }
}

//C#
using UnityEngine;
using System.Collections;
```



In this video

- How to change a text element to be a button
- How to make the button respond to mouse hover and click
- Adding a quick button

Add a Quit button

Add a quit button for yourself below the start

button





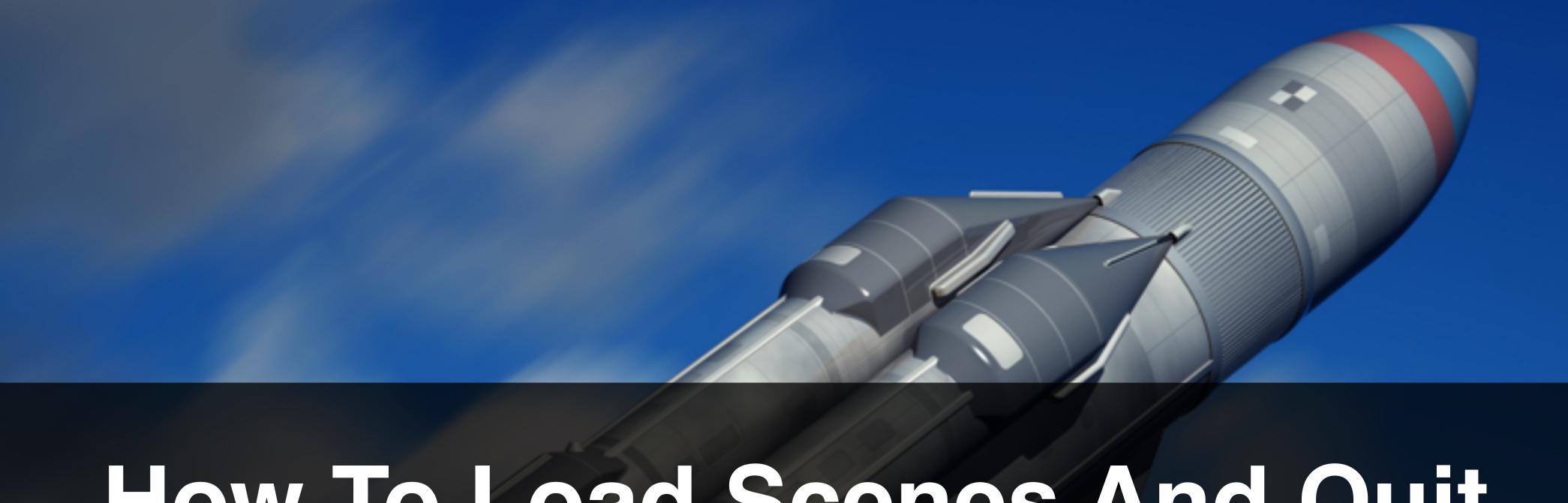
Calling scripts from buttons

- Create a new script to handle level managment
- Call the script from the buttons
- Check everything works by logging out to the console

Do the same for the Quit button

Wire up the quit button so that every click logs out

to the console



How To Load Scenes And Quit

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How To Load Scenes And Quit

- We'll use Application.LoadLevel() to load a new level
- We'll use Application.Quit() to quit the game
- We'll look at the limitations of Application.Quit()
 and when it won't work as expected

Create a Button to return to the start

- Using what you learned so far, create a button to return to the start scene from the game scene.
- You don't need to re-write a LevelManager script or re-create an object. It's ok to copy the existing one.

Start Button

Level Manager Legend

Game Objects

Start Button

Button

Level Manager

> Level Manager

Legend

Game Objects

Component

Start Button

Button

OnClick()

Level Manager

> Level Manager

Legend

Game Objects

Component

Event Handler

Start Button

Button

OnClick()

Level Manager

> Level Manager

> > LoadLevel()

QuitRequest()

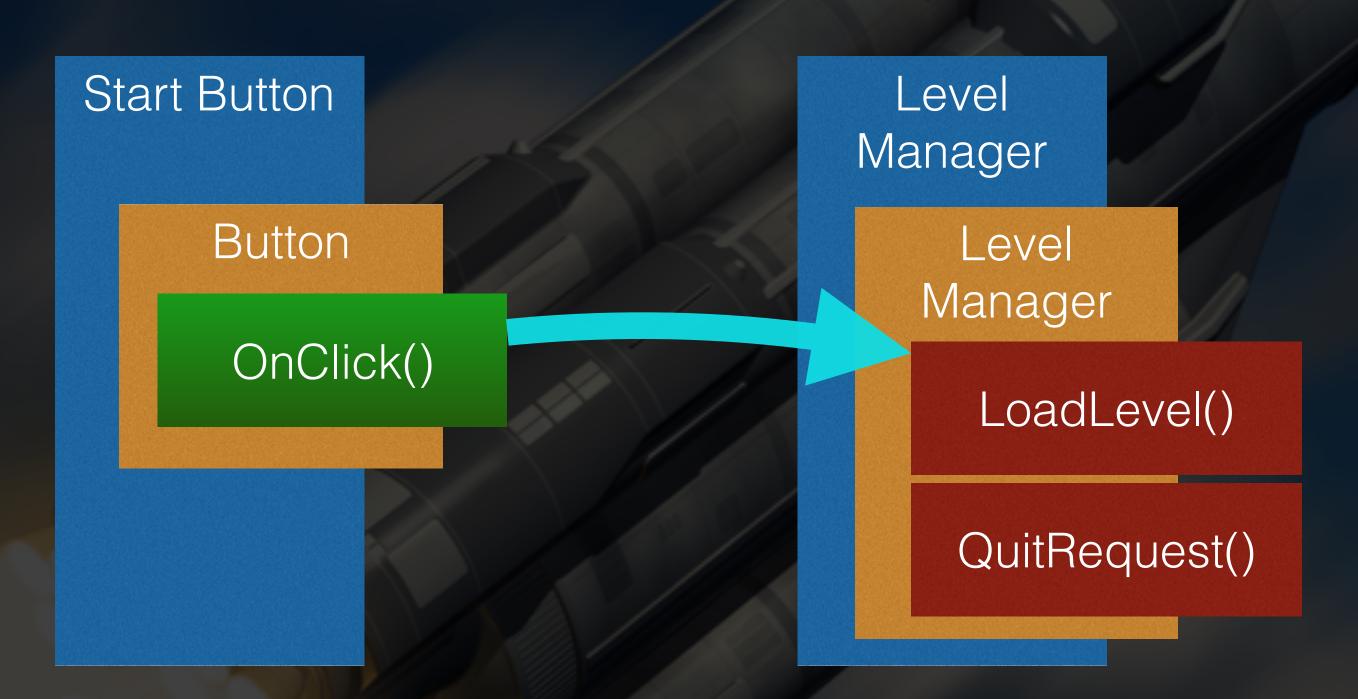
Legend

Game Objects

Component

Event Handler

Methods



Legend

Game Objects

Component

Event Handler

Methods

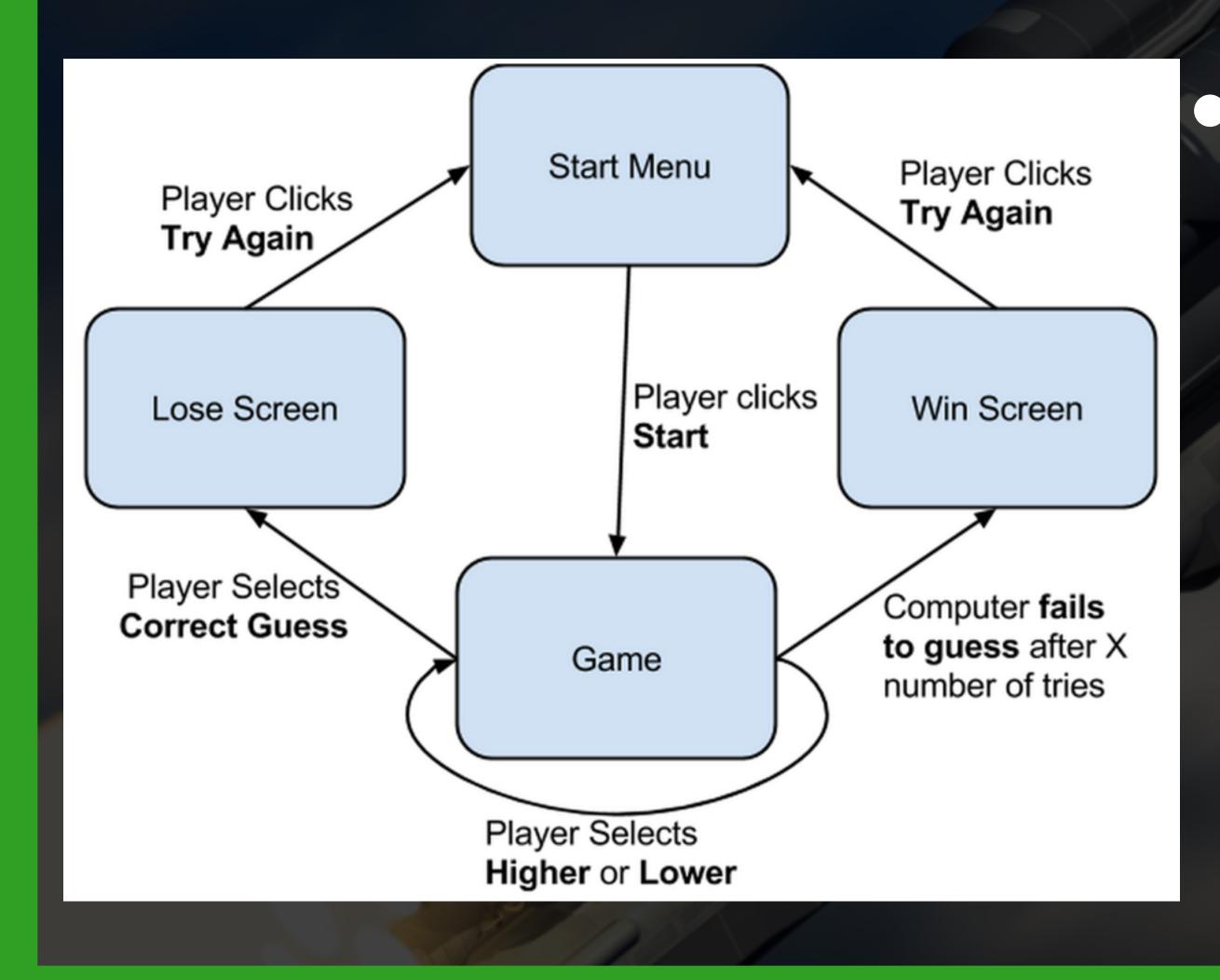


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What is a Game Design Document?

- A tool to communicate between members of your team (Artists, Developers, Designers)
- A place to record decisions made before and during development. What's in. What's out.
- Not a plan:)

Create the scene transitions according to the GDD



 Create buttons that transition between all scenes according to the GDD.



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Populate the Game Scene

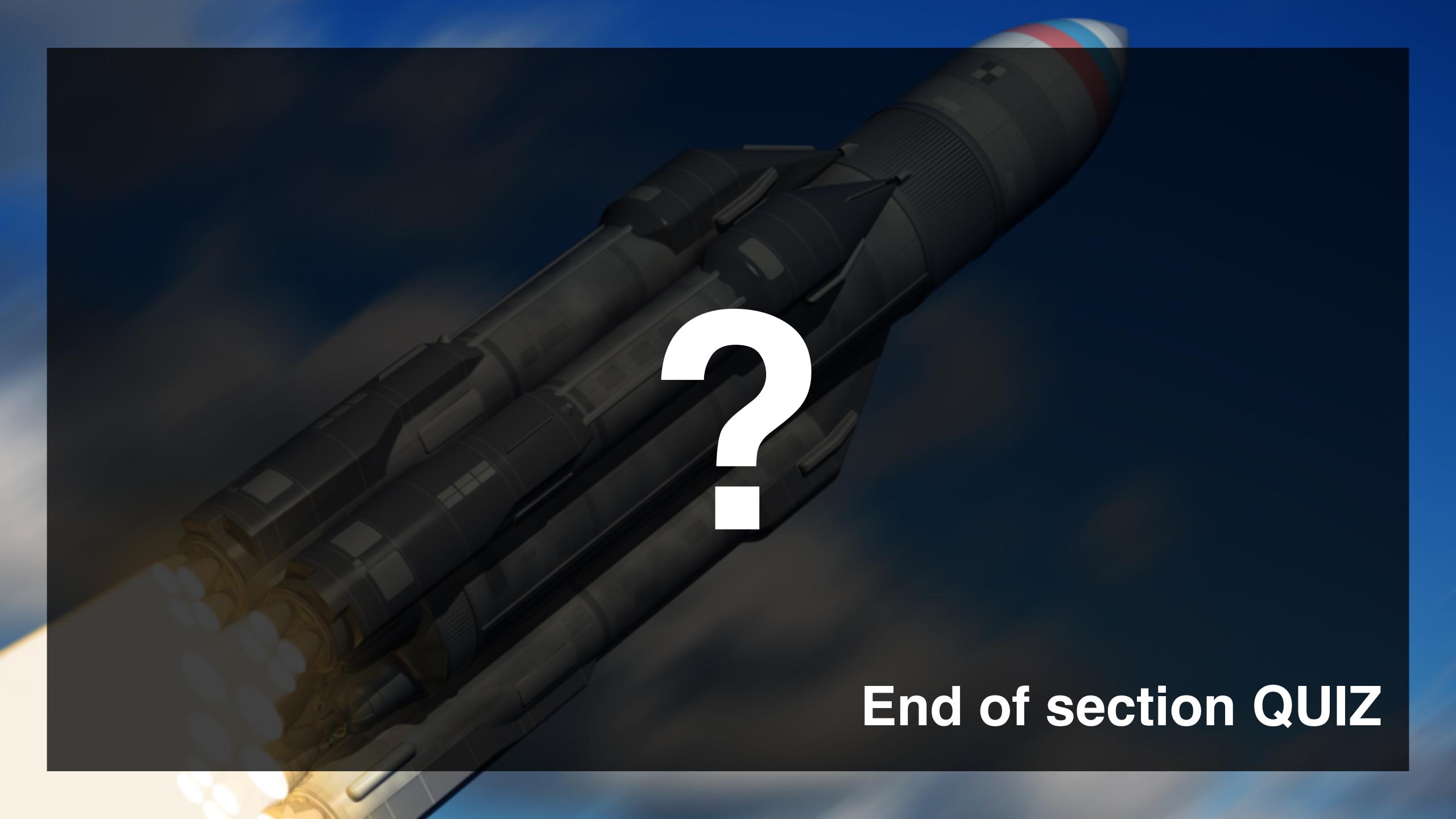
- With text appropriate for your game
- Link up the guess higher and guess lower buttons to the Number Wizard game object
- Link up the correct button to the Level Manager's LoadLevel()



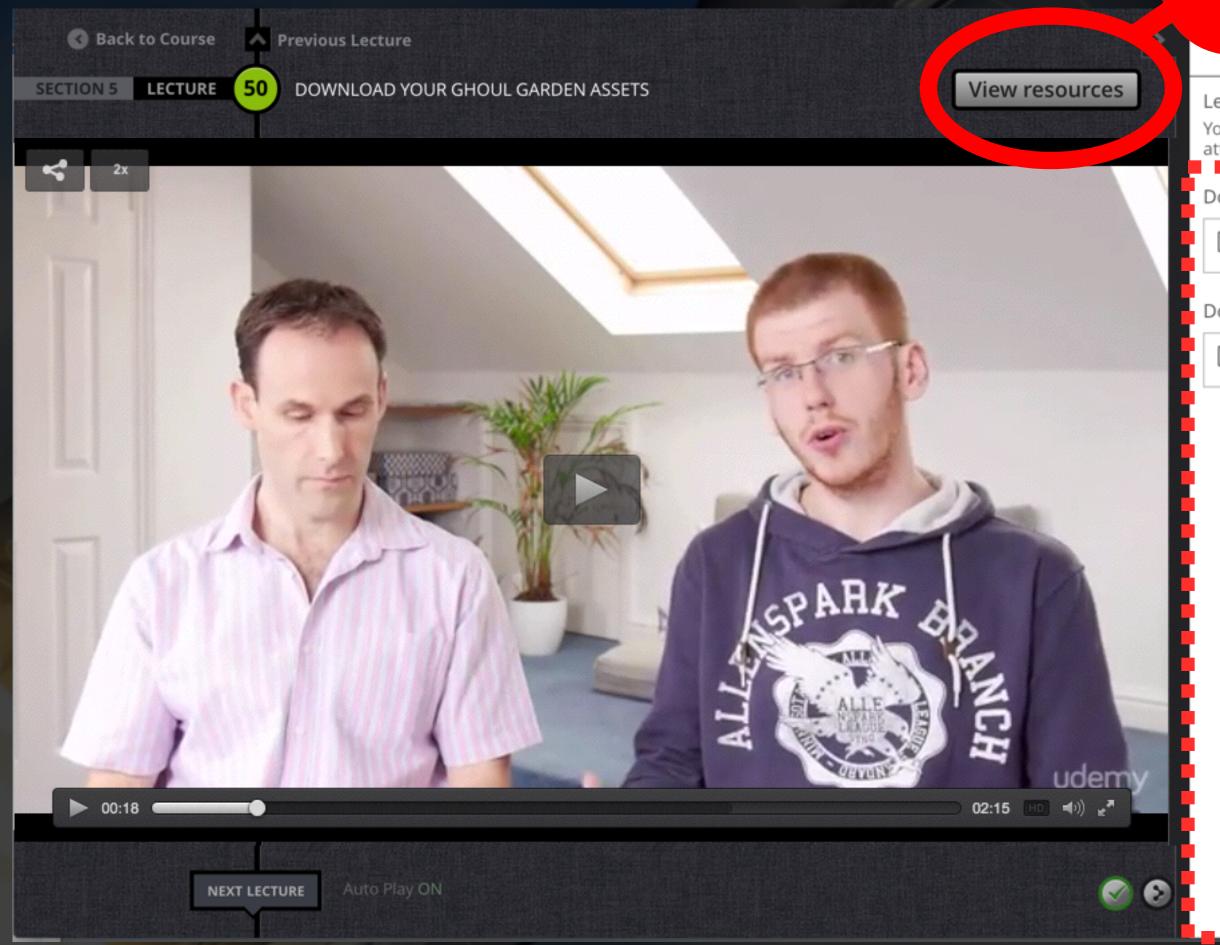
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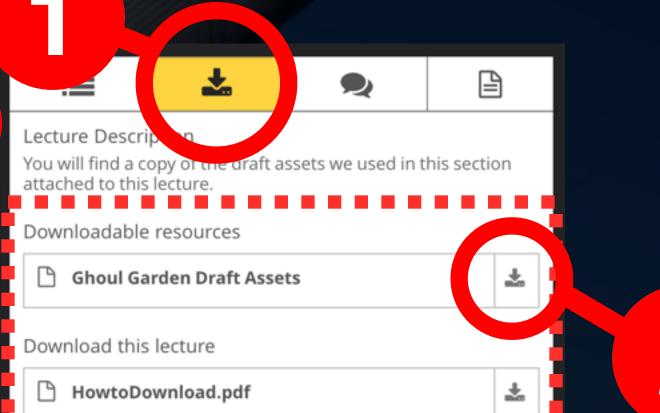
Guess the numbers randomly

- Use Random.Range() to guess a random number instead of always choosing the halfway point in the NumberWizard script
- Optionally, ensure that the game starts on a anew guess instead of the initial 500



Download your files





Downloads Here







