# Casters and Coders

#### **Team Members**

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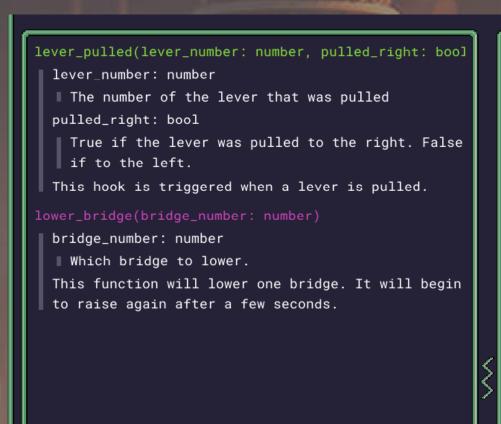
### Introduction

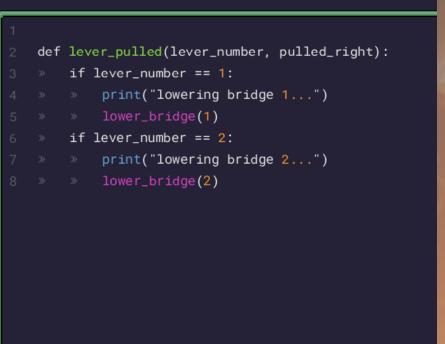
We aimed to create a high-fantasy puzzle game to make coding more accessible for beginners without prior knowledge, acknowledging its initial daunting nature

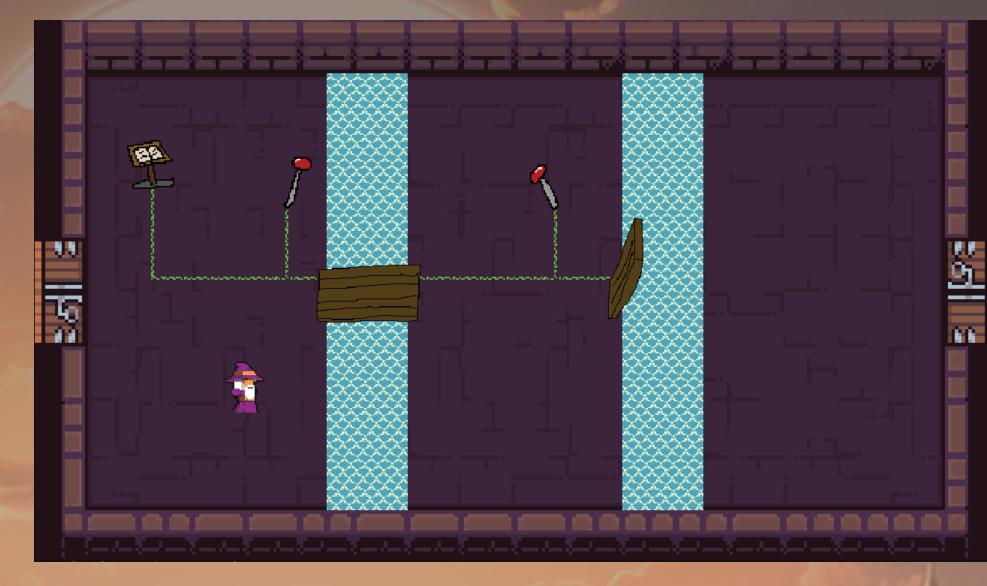
Design Requirements



Coding as main gameplay mechanic Teaches basic programming concepts Fun to play!







#### **Functional**

- Player shall write scripts to interact with the game
- Player shall advance through the game by solving puzzles
- The game will be playable on OSX, Windows, and Linux-based operating systems
- Scripts will interact with puzzles through a predetermined api

## — Technical Details

- Godot as the game engine
- 0.0
- Game logic implemented using GDScript
- Python will be the desired scripting language taught in the game
- Godot's built in unit test (Godot Unit Test) tool for majority of unit testing
- Agile methodology / Bi-weekly Sprints / Sprint Boards & User Stories

#### Non-Functional

- The game shall be fun to play
- The game shall achieve at least 60 frames per second when running on the minimum specifications
- There shall be optional puzzles that are more difficult than normal ones

## — Intended Users/Uses

- Students who are interested in learning programming
- Teachers who want to use a supplemental tool for introducing coding concepts
- Educational institutions looking for more innovative ways to teach programming

Design Approach

