

Demonstrate Project: Doodle Amazing

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Setup

Technology needed:

1. Windows or Mac
 - a. Mac is **highly** preferred
2. IOS device
 - a. App: Unity Remote 5

Starting the Game:

1. With Unity installed, you can play through Unity by selecting our Doodle Maze Project folder. When Starting Unity, navigate and select the provided folder "DoodleMazeProject" and open this project with Unity.
2. In the Assets folder and then sub folder Scenes, if the Main Menu scene has not been selected, double click Main Menu.
3. Connect your ios device to your computer and have Unity Remote 5 open.
4. To begin playing the game you may then select the play button at the top mid section of the Unity screen. The main menu should pop up on your phone and you will be able to select through the options.
5. If the game does not display on your phone, we recommend stopping the game in Unity, disconnect the phone from the computer, refresh Unity Remote 5, connect phone again, and press play game in Unity

- **Notes about using Windows:**

- You will be not be able to save a maze as the build using Firebase is IOS only
- You will still be able to take a picture and play the maze
- You will find this error in the console:

-  **Firestore iOS builds are not supported on Windows. Please build on a OSX machine instead.**

- You still be able to play and use the game beside what has been mentioned above

Playing the Game

Important Note:

If there are any errors in being able to take a photo and generate a maze, we have created 3 default mazes that you will be able to experiment with in the "Play Default Maze" option. These mazes are not pre generated, the png photos are stored in our app and the maze generation script takes these photos to generate the maze. We have included these default mazes in case there are any problems with taking the photo as the app is very light and color sensitive.

Make New Doodle Maze:

- First Select Make New Doodle Maze
- Create your doodle on a plain white piece of paper, use a black marker to create the walls of the maze, blue marker to create the ball, green marker to create the goal
- It is recommended to use a lighter blue and green, stay away from any dark blue or green
- When taking a photo with "Make New Doodle Maze", it is important to be in a well lit(white light) room, no shadows in the photo
- Once you have taken the photo, select yes to use the photo
- Maze generation will begin, this process will take anywhere between 5 - 10 seconds
- You are now able to play through the maze
 - Tilt your phone to move the ball towards the goal
 - Once the ball touches the goal, Victory!