

Computer Games Development CW208

Technical Design Document

Year IV

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Contents

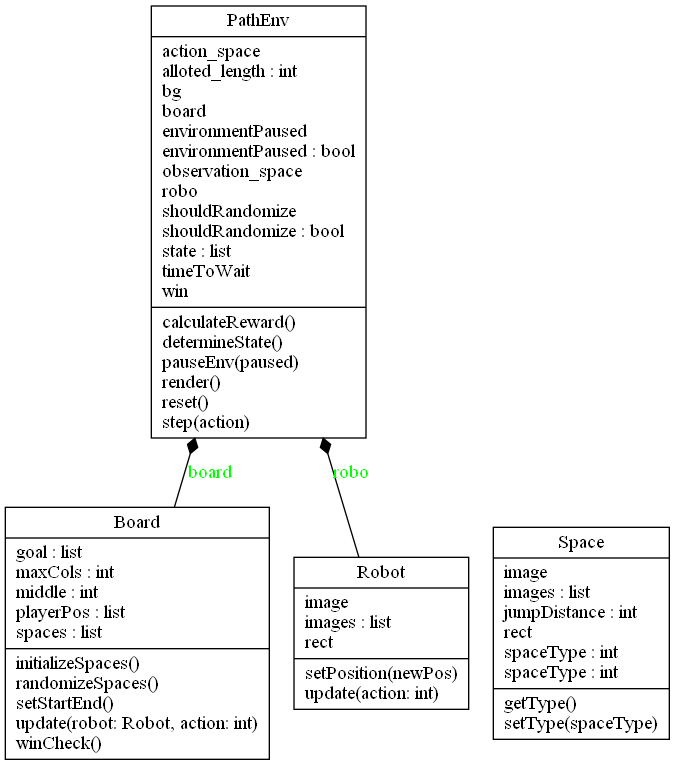
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# **Technical Design**

For my custom environment, the Board will be a 2d array of Spaces. This 2d array will be stored within the board class, alongside the Player’s position on the Board, and the Goal.  
The Board will create the 2D array, filling it with Spaces until a specified max column length that is passed in to the constructor.

Each Space will be a simple class that holds an image dictating what type it is visually. The type they are is dictated by what amount they push the Player on the board, and can be changed manually to dictate the start/goal spaces.

The Player’s Robot will be represented independently from the board, but will still adhere to the Board’s position. The Robot will tell the Board which way it wants to move, and will update its visual to face the correct direction. The Board will figure out where the Robot should be placed, and place the Robot in that space.  
If the Robot is over the Goal, the environment ends.

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