

Package FunctionA_CreateMaze

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Related Packages	
Package	Description
FunctionA_CreateMaze.constant	

Classes	
Class	Description
Cell	The Cell class represents the building elements of the maze.
CSVOutput	The CSVOutput class is to output a CSV file representing the maze.
MazeGenerator	The MazeGenerator class is to generate a maze with multiple paths, one ENTRY and one EXIT on the opposite edge randomly The algorithm for generating the maze is Depth-First-Search Algorithm (DFS) DFS starts with the randomly created ENTRY on edge (initial current Cell) while all the remaining Cells are BLOCKS Then it expands the PATHs on maze by randomly selecting one of the valid neighbouring Cells of the current Cell which is also the next current cells Also, it finds the EXIT during the expansion process which is the first neighbouring cell of the current cell on the opposite edge of ENTRY
MazeGUI	The MazeGUI class represents a graphical user interface for displaying a maze and return button to Testing Menu.
MazeLoader	The MazeLoader class output the int array version of the maze which is loaded from the CSV file created by CSVOutput class