CPSC 335-04

Project 2: Cave Explorer

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Intro: This project uses a Breadth-First Search algorithm to find the pathway to a desired destination in a cave. The specific cave used for this project has a mouth at (16,0,0), has limitations (16,7,9) and a destination of (8,1,7).

Contents: 335-p2\_JVJ contains: Readme.txt, 335-JVJ-Standup.docx, BigO\_Analysis.docx, SampleInvocation.png, room.txt, cave.txt, style.css, index.html

External Requirements: none

Setup and Installation: Gmail blocked us from sending a JS file. Nevertheless, here are the necessary steps to setup our project.

-In 335-p2\_JVJ folder

-Open cave.txt and room.txt

-Go to 'File' -> 'Save as' on both files

-Rename files to cave.js and room.js respectively

-Save

-Delete both .txt files

Sample invocation: Included in project folder

Features: Demonstrates a Breadth-First Search

Bugs: Algorithm design can be improved using a Depth-First Search approach