Đại học Quốc gia TPHCM

Trường Đại học Khoa học tự nhiên

Khoa Công nghệ thông tin



**PROJECT REPORT**

Course: CTT303-Introduction to Artificial Intelligence

Topic : Search

Group:

* 1753099 – Nguyễn Duy Tân
* 1753113 – Nguyễn Trọng Triết
* 1753128 – Lê Quốc Việt
* 1753139 – Trương Trần Hải Yến

2019

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1. Member

|  |  |
| --- | --- |
| MSSV | Full Name |
| 1753099 | Nguyễn Duy Tân |
| 1753113 | Nguyễn Trọng Triết |
| 1753128 | Lê Quốc Việt |
| 1753139 | Trương Trần Hải Yến |

1. Plan

|  |  |  |
| --- | --- | --- |
| Date | Task | Student |
| 10/06/2019 | Group meeting to analyze project | All |
| 12/06/2019 | Group meeting to analyze search algorithm | All |
| 16/06/2019 | Start UI, Next level UI | Yến, Tân |
| 17/06/2019 | Read, write File | Yến |
| 17/06/2019 | Search Algorithm | Việt, Triết |
| 20/06/2019 | Draw map in file .txt | Tân, Triết |
| 20/06/2019 | Pacman Move | Yến |
| 22/06/2019 | Level 1 | Yến, Triết |
| 22/06/2019 | Level 2 | Yến, Triết |
| 24/06/2019 | Len of path discovery, time comparison | Việt |
| 24/06/2019 | Score | Việt |
| 25/06/2019 | Group meeting to analyze level 3,4 | All |

1. Environment

- Python 3

- Pycharm

- Python Turtle

1. Search Algorithm

- We use BFS algorithm

### Hỏi Triết

### Seacr for level 1, 2, 3, 4

1. Comparison

* Time to finish

## chụp hình output.txt

* The length of the discovered paths## chụp hình hỏi Việt ☺

1. The degree of completion level

|  |  |
| --- | --- |
| Task | Finish |
| Level 1 | 100% |
| Level 2 | 100% |
| Level 3 |  |
| Level 4 |  |
| 5 maps for each level | 100% |
| Score | 100% |
| Comparison | 100% |

1. References

* <https://www.youtube.com/watch?v=-0q_miviUDs&t=319s>
* <https://docs.python.org/2/library/turtle.html>
* <https://docs.python.org/2/library/time.html>