

A sketch of the report you should write on your AI coursework

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Version 1

1 Introduction

The introduction needs to be super brief. Here you describe what type of agent you built. You should also mention what inspired you to create this type of agent.

2 Description

In the description you need to explain your own methodology as well as the strategy (or strategies) the agent you've built uses in order to win.

2.1 Strategy

Some of you might have agents that use multiple strategies. You can describe each of these strategies separately or define a meta-strategy.

It is good to describe the behaviour of your agent given certain situations. You can also use an example with the following structure: "If Pacman finds himself in situation X, it will use this strategy because of *reasons why*".

2.2 Methodology

In this section you briefly describe how and why you chose to build the agent that you have built. For example: "I saw that Pacman lost most of the time when it used strategy X".

3 Results

In this section you need to report your results and analyse them in a logical manner.

3.1 Getting the results

Here you explain how you tested your agent's performance using a series of tests. The greater the range of tests, the greater the number of results, thus the greater your mark for this part. It is crucial to describe what your tests consist of. Such as Test 1 is Pacman playing the game on layout X with Y ghosts. Test 1 looks for "something", and describe what "something" is. And so on for Test 2 etc.

3.2 Reporting and analysing the results

For Test 1, the results are the following: "here you report the results for test 1". Then you describe the results. For example: "We can see that when X is the case, then Y is the case, thus we can conclude that Z because *reasons why*." And so on for the other tests.

4 Some reminders:

- It is nice to use **graphs** and **tables** to report the results because they make your results clear. **DO NOT** use screenshots! They don't tend to make anything clear.
- Don't write at length in a vague manner. Don't use lots of words to say a small number of things. AKA Don't waffle!
- Submit the report as PDF!