**Master of AI**

Faculty of Engineering & IT

42172 AT2 Mini AI Application Example

UTS CRICOS 00099F

**Link to solution notebook:**

https:// … (add your URL link)

**Part:**

**Author**: (add your name and student ID)

**Date:** (add date submitted for Assessment Task 1)

**Semester:** (add semester)

**Year:** (add year)

**University of Technology Sydney**

*(****Table of Contents****: List all the major sections of the report with page numbers (commencing page for each section). You can use your word processor to do this automatically for you.)*

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## Summary or Executive Summary

*This section briefly summarises the purpose of the project, AI techniques used, major findings, conclusions, and recommendations. This part is for those who do not have the time to read the entire report and as a means of refreshing a reader's mind at some later time. It is probably the most important section of the report, because it is almost certain to be read. The summary can be up to one page.*

## Introduction

*The Introduction is an extremely important part of any report. It should not include too much detail, but it should give the reader a good idea of where the report is going (including a brief description of the contents of the report).*

*The Introduction should address the following issues:*

* ***what*** *was the problem and its context (including data sources),*
* ***why*** *was it a problem, and*
* ***Why*** *was the project necessary and* ***how*** *was the problem solved (briefly).*

## Report Body

### Methods/AI techniques used

*This part explains what the AI techniques are used to solve the problem and how they work in the problem’s context.*

### Implementation of AI techniques

*This part presents the data pre-processing if applicable, experiments conducted including the programming environment, libraries used, findings/results, and quality of the solutions/ results.*

### Comparisons of different AI techniques

*This part presents the pros and cons of the AI techniques used in the context of solving this problem in terms of evaluation measures.*

## Conclusions and Recommendations

*Your report will typically describe some findings which have been derived from observation, experiments, calculation, etc. From these findings, you should draw some conclusions. The insights that you can extract from your basic findings are a key part of your report. You may also be expected to make some recommendations based on your conclusions. The findings are the foundations on which the conclusions rest, while the conclusions, in turn, support the recommendation.*

## List of References

*When you use material from other reports or books, you must properly acknowledge it, by citing the report or book in a list of references, and referring to the list at the places in the text where the material is used. Please use The* [APA (American Psychological Association) referencing style](https://www.lib.uts.edu.au/referencing/apa) *in this report. Citations and References are important parts of writing in an academic environment.*

## Appendices

*Detailed material that is not essential to, but supports the information contained in the body of the report, should be placed in an appendix. Appropriate appendix materials include supporting data, detailed explanations of methodologies or procedures, derivation of formulas, conversion factors, and data collection formats, protocols, and checklists. Appendices are a powerful means of fully documenting and supporting the results of the study without cluttering the body of the report*.

## Individual reflection

*This part presents your reflection which can include thinking process of completing this task, decisions made, actions taken, barriers encountered, and resolution strategies used, achievement made, lessons learned in this assignment tasks including technical and personal parts, and what can be improved in future.*