## My Project Plan (Level 1 Heading)

*Note*: This document is written merely as an illustrative example, and does not provide any working guide to an project.

## Proposal (Level 3 Heading)

I am planning to make a computer vision software that detects objects in images. In order to build it, I will use opency, deep learning libraries, such as <u>Tensorflow</u> or <u>PyTorch</u>, and other open source softwares.

For example, the objects in the following images were detected using mmdection:



## Dependencies (Level 3 Heading)

- python
- opencv python
- tensorflow
- openmmlab
- package manager

## Installation

In a bash terminal, run the following commands (DO NOT actually run these commands in your computer):

- \$ sudo apt update
- \$ conda create -n cv\_detection
- \$ conda activate cv\_detection
- \$ python --version
- \$ python example.py