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| 2810ICT |
| NSW Traffic Penalty App |
| User Manual |

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# General Information

Welcome to the NSW Traffic Penalty App, this application is used to search and visualize NSW Traffic Penalty Database

## Introduction

This app contains data on all traffic penalties in NSW between the years of 2011 to 2017. This app also helps to visual traffic penalty data through grids and bar graphs.

# Database

Below you can find information on what data is stored in the NSW Traffic Penalty Database.

## Available Data

The data that is available for review is. Offence Year, Offence Month, Offence Code, Offence Description, Legislation, Section or Clause of Legislation, Penalty Amount, Camera Detected, Type of Camera, Location Code, Location Details, School Zone Indicator, Speed Range, Speeding Offences Indicator, Red Light Camera Indicator, Speed Camera Indicator, Mobile Phone Use Indicator, Seatbelt Indicator, Parking Indicator, Criminal Infringement Indicator, Food Safety Indicator, Non-Motor Vehicle Indicator, Number of Penalty Notices, Total Value of Penalty Notices.

## Data Structures

Data is visualised in two different formats. Firstly, you are able to review all data in a grid format similar to excel. You are also able to visual data in a graph showing unique data trends.

# How To Use App

Here you can find the basic features of the app and how to use them accordingly.

## Run App

Load and Run penaltyapp.py

## Front Screen

Once the app has been run you will be able to see the main page. From here you can visualise all data from the database.

## Button Basics

At the bottom of the app, you will find 6 buttons that perform unique actions as they are labeled. Button “2016 Penalties” will produce all penalties from the year 2016 and populate the grid. Button “Offence Code Distribution Chart” Will produce a chart that shows a distribution of the Offence Code data. Button “Camera/Radar” will produce all Camera and Radar offences. Button “Mobile Offence Chart” will produce a chart that counts the number of mobile offences per offence code. Button “Offence Code Value Chart” will produce a chart that shows the total value of each offence code.

## Returning To Main Page

When interacting with graphs you are able to return to the original view by clicking the cross in the top right-hand corner of the graphs frame.

## Exiting Application

If you wish to exit the application, you can do so by clicking the “Cancel” Button which will close the application.

Thank You!