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| [Company name] |
| [Document title] |
| [Document subtitle] |

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| Christopher Lloyd  [Date] |

# Requirements summary

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| **Requirement Type** | **Description** |
| Non-functional | Must be made of multiple python modules of our own design. |
| Non-functional | Modules and their functions should be tested independently. |
| Non-functional | The program should only use libraries from the Python 3.8 standard library |
| Functional | Must use a command-line interface to prompt the user for input parameters |
| Functional | Must use a command-line interface to display results |
| Functional | Must use a command-line interface to provide user instructions |
| Functional | Commands which produce many lines of output must prompt the user for a file name to write and save the output to |
| Functional | When your program prompts for user input it must always accept the options of “Quit” and “Restart” |
| Functional | The program must allow the user to retrieve the centre coordinate (latitude or longitude) of a postcode (only for EX postcodes) using a command |
| Functional | The program must allow the user to retrieve all reported street level crimes within a radius of 1 km, 2 or 5 km of the centre coordinate using a command |
| Functional | The program must allow the user to sort the resulting data of a command by distance from the postcode centre, by date (most recent first) and by crime category |
| Functional | The program must be able to produce a tabular report of street level crimes in CSV format |
| Non-functional | Any CSV files produced by the program must be suitable for use by a spreadsheet program |
| Functional | The program must be able to save a report with a user specified file name |

# Work breakdown

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| **Assigned Group member** | **Description of work item** |
|  | A python module which can write a two-dimensional array/list to a .csv file |
|  | A python module which can read the |