CSV Searcher – Project Proposal

Group 15  
COMP455 ON1 – Extreme Computing  
Due: December 5, 2024

Group Members  
Alisha  
Harmanpreet  
Jacob Schonewille, 300135438  
Sumeet

# Introduction

The CSV Searcher is designed to import a .csv file into a table, and allow the user to preview and search it’s contents.

A search bar can filter the table’s contents, hiding the table’s rows that don’t match a provided keyword OR header:keyword pair. Header keywords are disseminated via toooltip.

Column headers with ‘↓’ / ‘↑’ buttons enable sorting functionality,

An in-program guide is available via to inform the user on program use.

# Tools

* Python 3.x
* PyQt6 GUI library
* .csv dataset from <https://www.kaggle.com/datasets>

# Functional Requirement Assignment

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| **Task** | **Assigned Dev** |
| [Import a .csv file into a QTableWidget](https://youtu.be/pXdTedPk7VA?si=7LYmA6xz9Foj1ucT&t=647) |  |
| Separate first line of the .csv file into a header row |  |
| Imported .csv headers are for use as search keyword pair |  |
| Observe .csv file within an exploration window |  |
| High/low sort entries by column |  |
| Preview .csv header formatted as column keyword via tooltip |  |
| Search filters out entries via search bar |  |
| “About Us” / “Usage Guide” dialog box |  |