INLS 560
Programming for Information Professionals

Assignment 7
Database Browser Application
Due Thursday, December 15
25 points
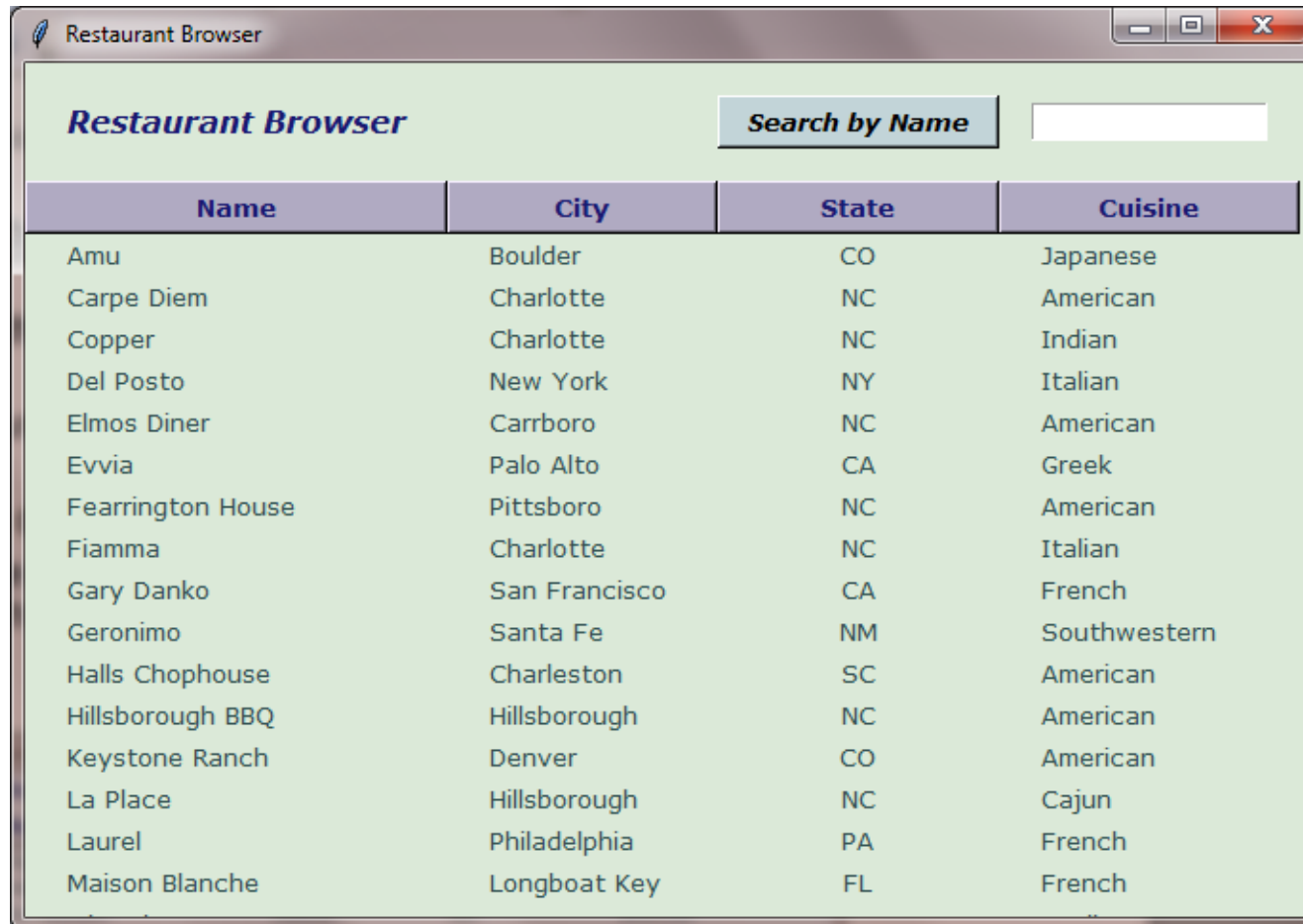Name your program: *YourLastName_DatabaseBrowser.py*

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SCHOOL OF INFORMATION
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Database Browser Application

- Allows you to sort and search the data in the Restaurant database table
- When you first run the application, all Restaurant data is displayed in Name order
- You can <u>sort</u> the data by clicking on one of the Name, City, State, or Cuisine buttons
- After clicking one of these buttons, you can <u>search</u> on the corresponding column by entering a search value, and clicking the 'Search by ...' button

Sorting Restaurant Data by Column

- Click the button for the column to sort

- Change the text on the 'Search by...' button to use the column name that was selected for sorting

Searching Restaurant Data by Column

- First, click the button for the column to search on, e.g., Cuisine
  - All restaurant data is displayed in Cuisine order
  - The 'Search by...' button text is changed to 'Search by Cuisine'

- Enter a search value in the entry field, and click the 'Search by Cuisine' button to display Restaurant data with a Cuisine value containing the search value
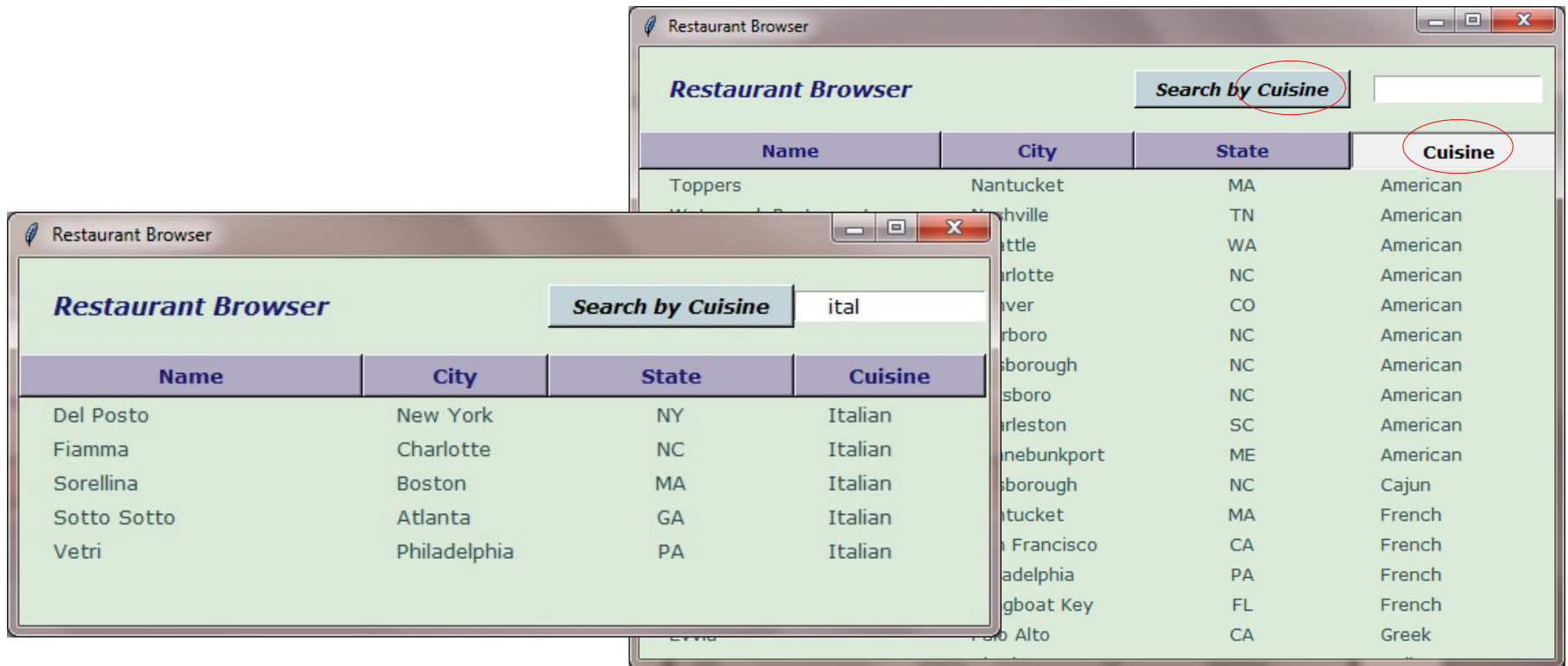
- If no search results are found, then display a message, 'No results found'
- If the 'Search by...' button is clicked with no search value specified, then display all data

Database Browser Application

Application files are located in A7 directory

- Restaurant database: **restaurants.db**
- Initial draft: **A7_Restaurant_Database_Browser_draft.py**
  - Uses a grid layout to simplify displaying table data
  - Includes comments that provide direction on the functional requirements

Additional requirements

- You must provide appropriate exception handling
- Improve the appearance of the default window by customizing foreground/background colors, fonts, and spacing
- Your program must have no PyCharm warnings