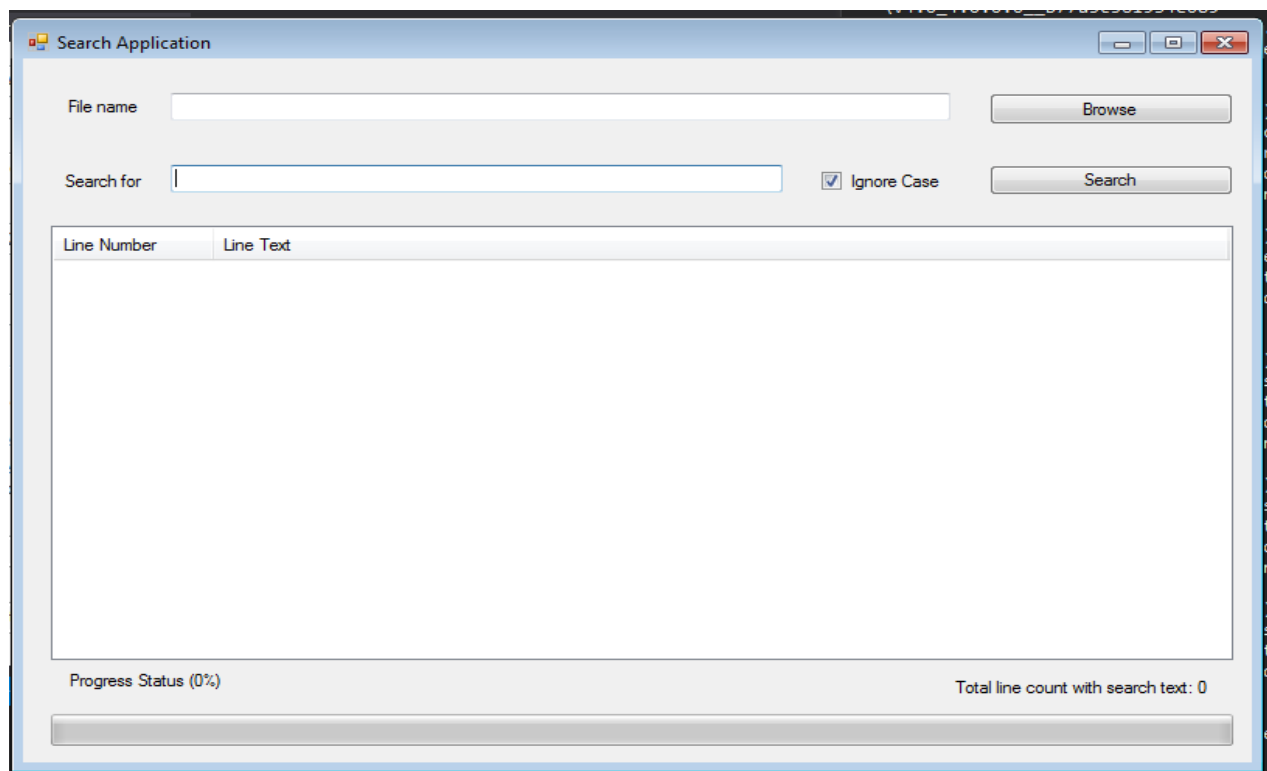# Multithreaded Text Search

Application that searches a text file for given string

Program uses backgroundworker thread to search the selected file for lines containing the given search string.
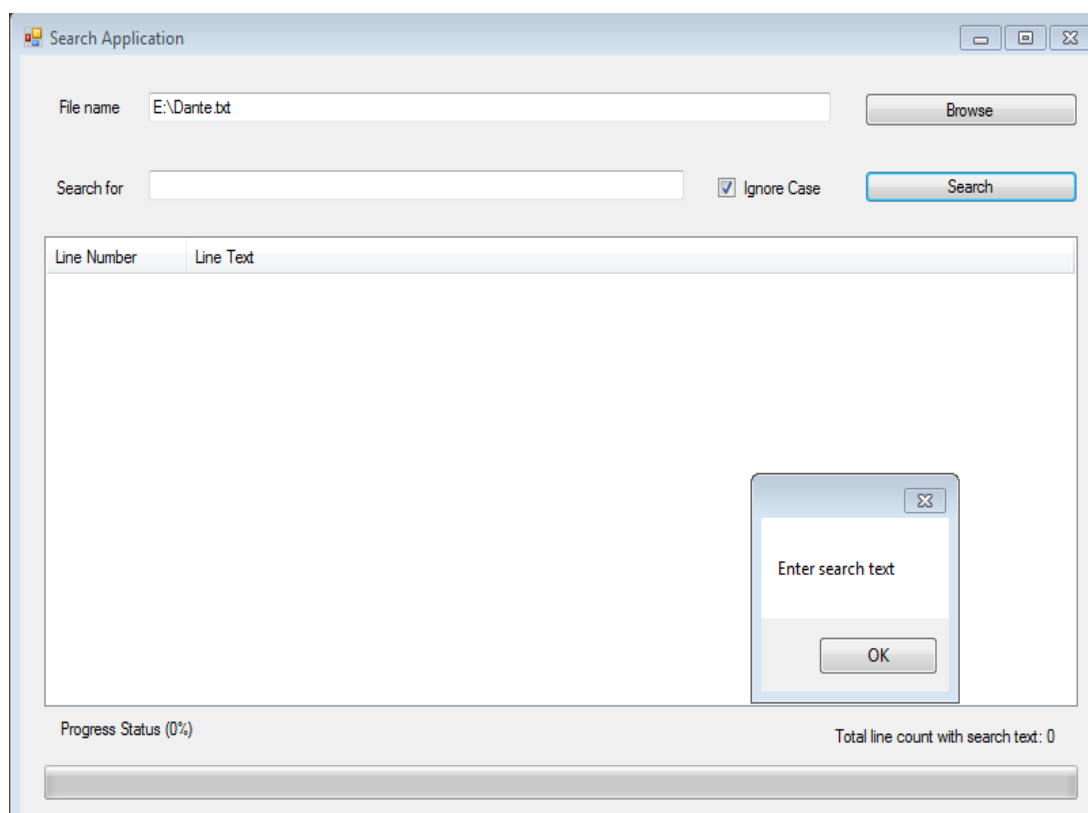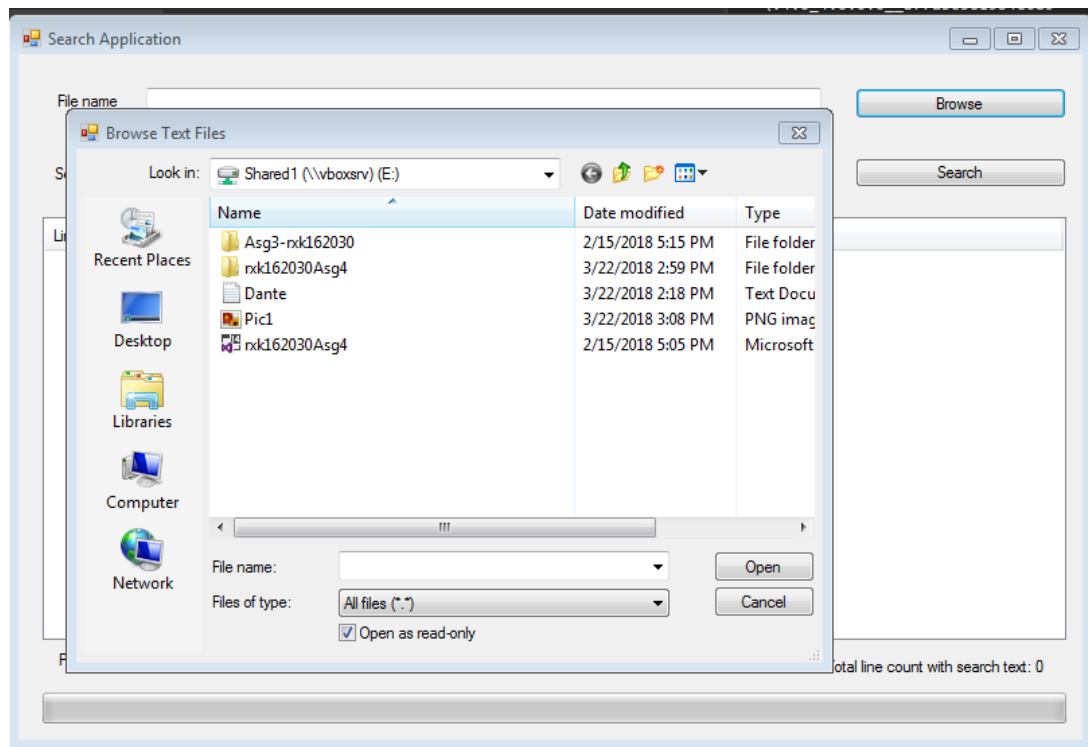
Features for usability based on UI guidelines:

1. Progress bar – to notify the user about the current status
2. Percentage of completion – user can check the completion percentage
3. The list view is updated as we search through the file.
4. Ignore Case text box – additional feature which can be used if user wants to match exact string.
5. Disable browse button when a search is running and search button is changed to cancel button.
6. Input validation is performed before initiating the search.
7. Tab order is set, to reduce the time taken by moving from keyboard to mouse.
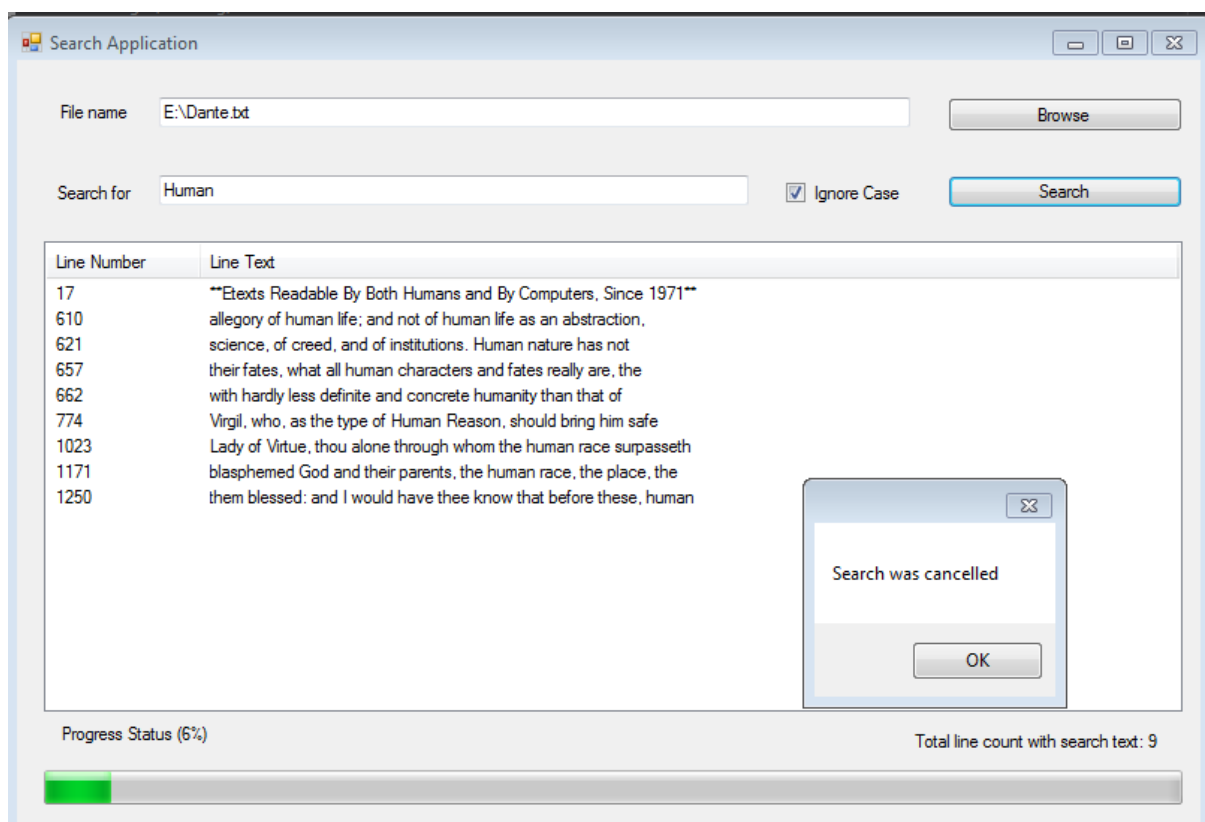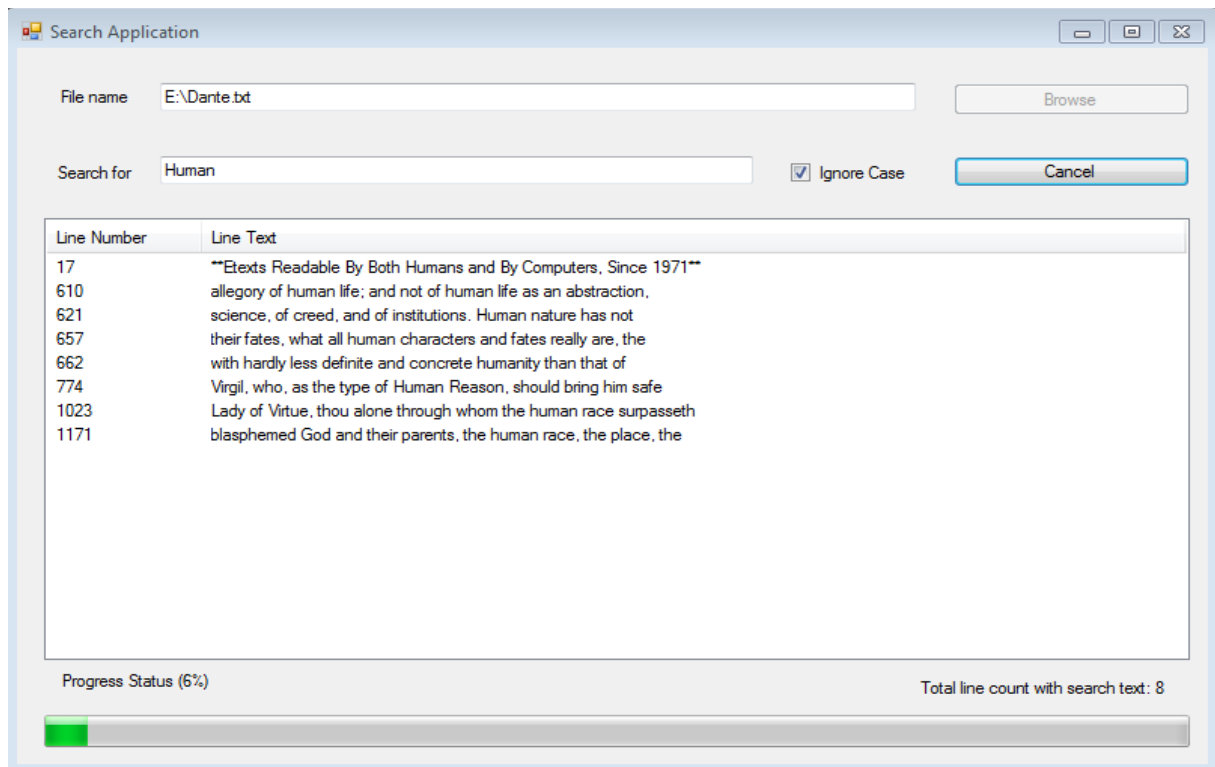
UI:

1. Click the browse button and select the file or enter the file. (Check the below image the browse button is enable)

2. Enter the word to search and then click Search button, then browse button is disabled and search button is changed to Cancel button which is used to

cancel the search. You can also deselect Ignore case check box to find the exact string.

3. The progress bar displays the current status of search and completion percentage. Once the search is 100% completed, total count is updated in the UI and the browse button is enabled.