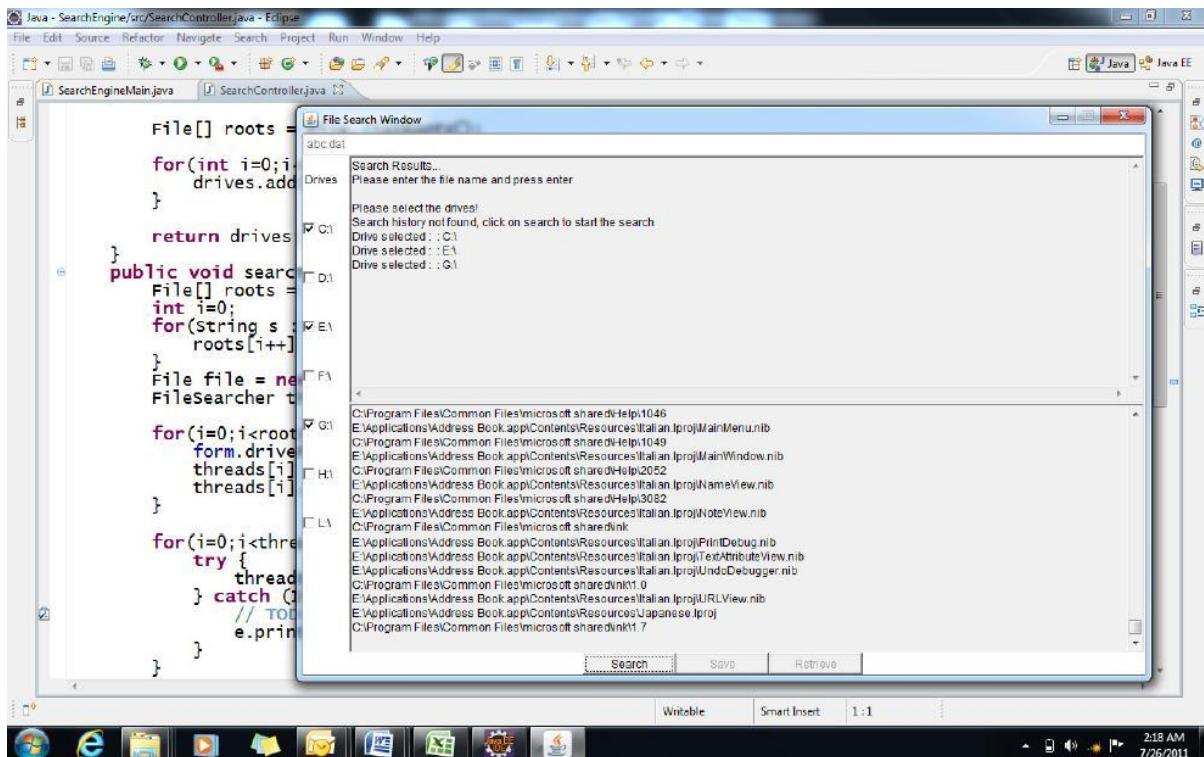


Case Study: Search Engine Application Project Requirements



We need to build a Desktop Search Application similar to Windows File Search.

This application unlike, the classical Windows Search Application will be multithreaded and hence very fast when compared to the classical search application available in Windows.

Requirements:

1. Detect the ROOTS / DRIVES in the system
2. Allow the user to select the DRIVES in which the file needs to be searched
3. Take the file that has to be searched as an input from the user
4. Perform the search by spawning one thread for each root / drive
5. Store the search results in a log
6. When a new search is initiated, check the history (or the log file) for availability of the previous search history
7. If the search history is available, display the search results after validating the existence of each file in the search history
8. If the search history is not found, prompt the user to initiate a new search

Technology Stack:

1. Java SE 8.0
2. OO Concepts
3. Abstract Classes & Interface
4. Packages
5. Exception Handling
6. IO Stream
7. Java Util Collection

Coding guidelines (To be strictly followed and enforced)