

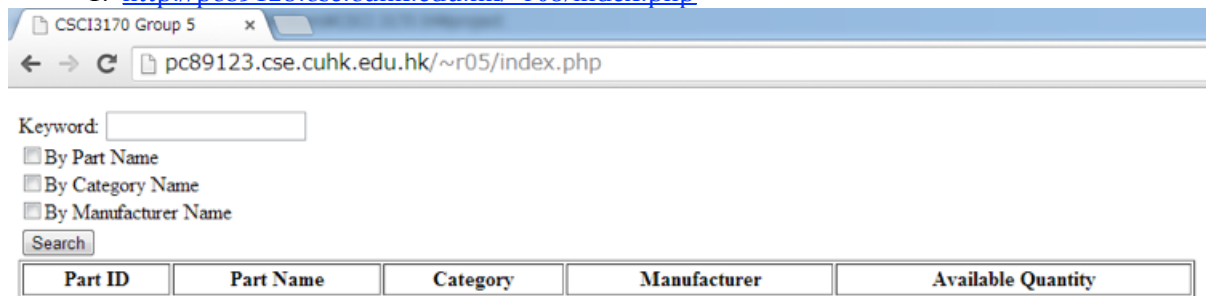
Guide on using the JAVA application

1. This JAVA program should be compiled and run under JDK and JRE version 6 or above
2. **Compile method**
 1. In sparc machine, please first type
`set path=($path /usr/local/java2/jdk1.6.0_11/ bin)`
 2. Change directory to java/
 3. `$ javac proj.java`
3. **Execute the program**
 1. `$ java -classpath ojdbc6.jar:. proj`
4. **Data manipulation**
 1. Create all tables
 2. Delete all tables
 3. Load data into into tables
 1. please follow the appropriate order to import the data into tables.
 4. Show information in tables
 1. information will be displayed in both in summary and detail way.
5. **General data operations**
 1. Search and list parts
 1. search is case sensitive.
 2. search based on partial key.
 2. Enter a new transaction.
 3. Show the transction history of a salesperosn or parts.
 4. Sort and list the computer category in ascending order of total sales value.
 5. Sort and list salesperson person in ascending order of total sales value.
6. **Other**
 1. Please note that each time the program is exit normally, all the table will remain (mainly for the later implementation of web interface). If you want data to be erased, you may drop all the table before exut the program.
 2. If you exit program without dropping tables, next time you execute the java program, you may drop tables first to avoid some possible errors.

Guide on web interace for search

1. Access the PHP page via link

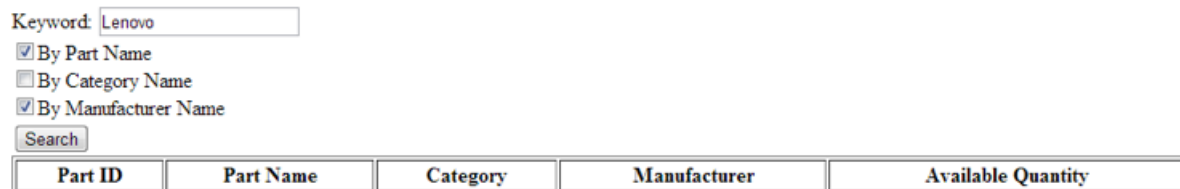
1. <http://pc89123.cse.cuhk.edu.hk/~r05/index.php>



The screenshot shows a web browser window with the address bar displaying `pc89123.cse.cuhk.edu.hk/~r05/index.php`. Below the browser, there is a search form with a "Keyword:" label and an empty text input field. Underneath the input field are three checkboxes: "By Part Name", "By Category Name", and "By Manufacturer Name", all of which are currently unchecked. A "Search" button is located below the checkboxes. At the bottom of the form is a table with five columns: "Part ID", "Part Name", "Category", "Manufacturer", and "Available Quantity". The table is currently empty.

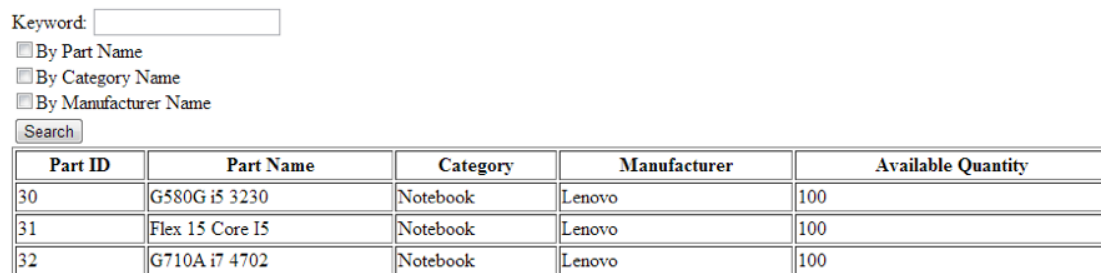
2. . To search for parts in database with availability

1. Enter a keyword, and Select at least one search criteria from "By Part Name", "By Category Name" and "By Manufacturer Name".
2. When more than one search criteria are selected, parts matching any one of search criteria will be displayed.



The screenshot shows the same web interface as before, but with the "Keyword:" field now containing the text "Lenovo". The checkboxes for "By Part Name" and "By Manufacturer Name" are now checked, while "By Category Name" remains unchecked. The "Search" button is still present. The table below is empty.

3. Press "Search" button and the details of available parts will be displayed



The screenshot shows the web interface after the search button has been pressed. The "Keyword:" field is still "Lenovo". The checkboxes for "By Part Name" and "By Manufacturer Name" are still checked. The "Search" button is still present. The table below now displays three rows of search results:

Part ID	Part Name	Category	Manufacturer	Available Quantity
30	G580G i5 3230	Notebook	Lenovo	100
31	Flex 15 Core I5	Notebook	Lenovo	100
32	G710A i7 4702	Notebook	Lenovo	100