

CIS-452 Project Assignment

User Manual

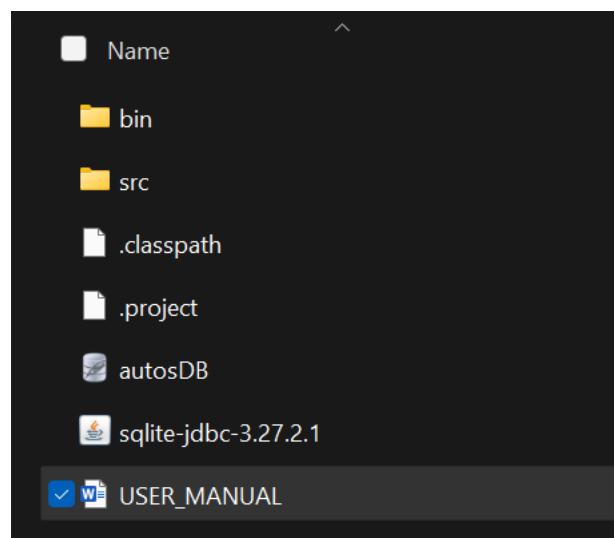
Introduction:

DBS_project is a Java project. It provides a user interface to perform functions on the Automobile Insurance database. The following actions are available to users:

- User can add a new accident to the database:
 - The user can enter the date and location of the accident, to be stored in the *Accidents* table.
 - For each automobile involved in the accident, the user can enter the information to be stored in the *Involvements* table.
- User can find the details about a given accident:
 - The user can enter an accident id number.
 - The application will display the date and location of the accident.
 - For each automobile involved in the accident, the application will display the vin number, damages, and driver ssn (if applicable).
- User can search for accidents meeting the user's criteria:
 - The user can specify any or all of the following:
 - a range of dates
 - a range of average damages to the automobiles involved
 - a range of total damages to the automobiles involved
 - The application will display the accident id, date, and location for each accident meeting the user's search criteria.

Files available:

Below is a screenshot of the files available in DBS_project.

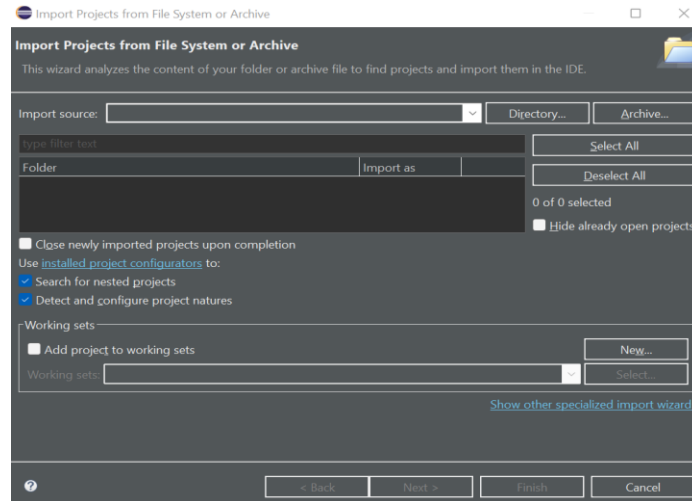


Inside the “src” folder, we can find the **DBproject.java** file which is the Java Source File to be executed.

How to run the program:

DBS_project was implemented in the Eclipse IDE. However, the project can be imported into other IDEs such as VS Code, Net Beans etc. as well.

1. Run eclipse.
2. Click on “File” on the upper tools menu. Select “Open Projects from File System...” from the drop-down menu. The below new window will open up.



3. Click on “Directory...” and choose DBS_project folder from where it is located in your local system. Then click on “Finish” to import the project.
4. Search for “DBS_project” in Eclipse’s Package Explorer in the window on the left. Expand the project. Then expand the “src” folder and also the “(default package)” package present in it.
5. You will find the DBproject.java file inside the “(default package)” package. Run the Java Source File to start the program.
6. The program will startup in the terminal and look like the following:

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Main Menu
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1      (Insert)   Insert a new accident in the database
2      (Find)    Find details of a particular accident
3      (Search)   Search for accident details using filters
0      (Quit)     Quit program
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Enter your option number to execute the required action:
```

7. The user can then follow the prompts provided by the program.