Automobile Insurance Database GUI by: Daniel Gomes

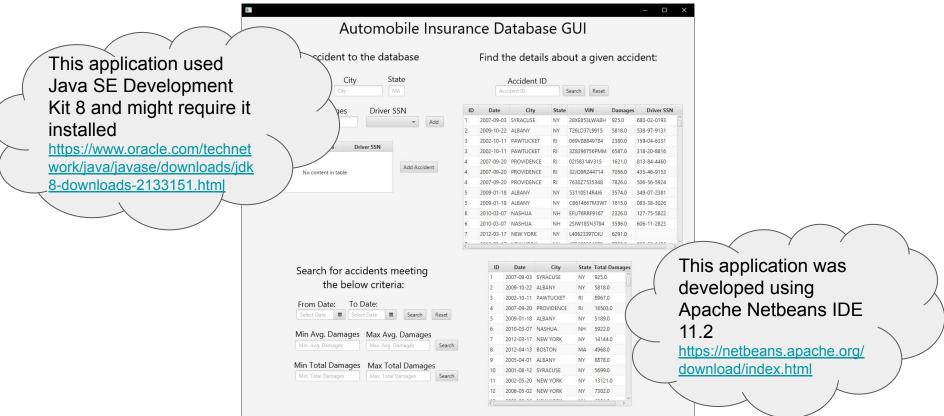


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How to run it

- This project was created using the latest version of <u>JDK 8 (1.8.0_231)</u> and <u>Apache Netbeans IDE 11.2</u>
- If this project doesn't run with other JDKs, i'd recommend installing JDK 8

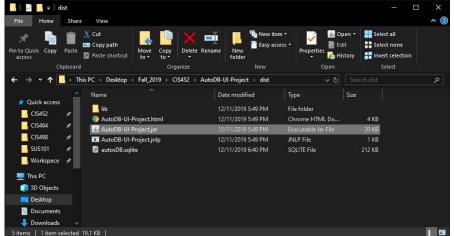
```
Command Prompt
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Danny>java -version
java version "1.8.0 231"
Java(TM) SE Runtime Environment (build 1.8.0 231-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.231-b11, mixed mode)
C:\Users\Danny>javac -version
javac 1.8.0_231
C:\Users\Danny>
```

How to run it continued

- After extracting the folder...
- There are two ways you can run the application (besides running it with Apache Netbeans IDE 11.2):

Go to and double click:

AutoDB-UI-Project/dist/AutoDB-UI-Project.jar

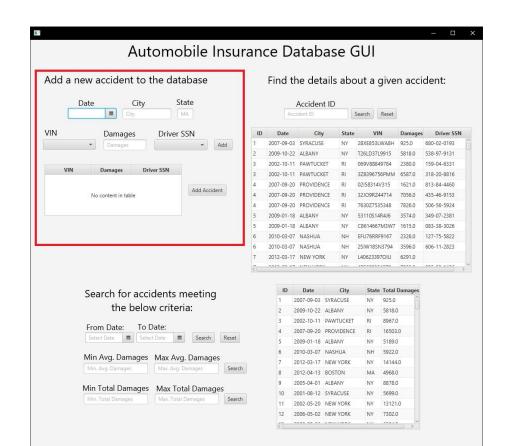


Run it through the command line. You will be able to see all SQL queries I performed.



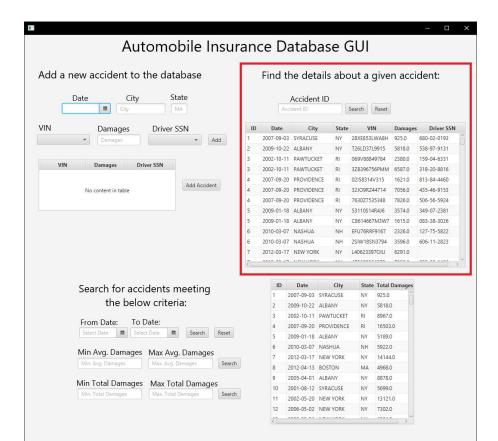
Adding a new accident

- Select a date in the date field
- Enter city and state in respected fields
- VIN dropdown, damages textfield, and driver ssn dropdown
- Hit add to add the vehicle/person/damages to the specific accident (multi entry)
- Hit add accident to add accident and vehicles involved into db



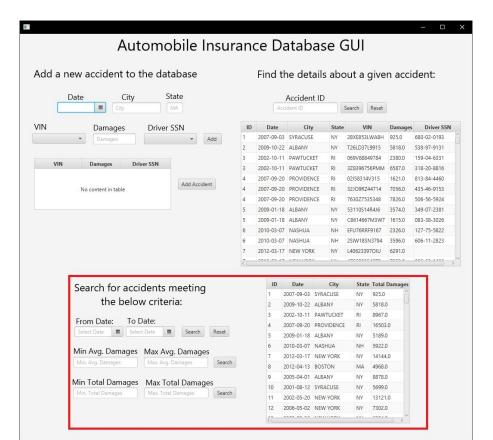
Searching by accident id

- Type in an aid in the accident id textfield
- Hit Search button
- Hit Reset reset/re-populate table



Searching for accidents using date and damages

- To search for a range of dates
 - Enter starting date in from date field
 - Enter ending date in to date field
 - Hit search
 - Hit Reset to reset/re-populate table
- To search for range of avg damages of an accident
 - Follow similar structure to above
- To search for total damages of an accident
 - Follow similar structure to above



My Code Structure

Packages:

- o com.danny.main contains MainApp.java, responsible for launching AccidentsView.fxml
- com.danny.controller contains AccidentsController.java and AccidentsView.fxml.
 AccidentsController.java contains the code for the functionality of AccidentsView.fxml
- com.danny.model contains AccidentsDetails.java and AccidentsCriteria.java. This contains
 the model classes for the two different types of data i will be accessing. Also contains
 AccidentsDetailsDAO.java and AccidentsCriteriaDAO.java where all SQL queries are located
- com.danny.util contains DBUtil.java which is responsible for providing basic connection to the AutoDB.