



## User Stories

- As a user I want to provide a plate so that I can know a vehicle's insurance status.
- As a user I want to give a timeframe so that I can know which vehicles license is going to expire in this timeframe.
- As a user I want to choose between console or file output so that I get the result in the format that suits me.
- As a user I want select the list of all plates so that I can see it in alphabetical order.
- As a user I want to provide a fine so that I can know the total fine cost in case an owner has one or more uninsured vehicles.

# Classes

**Main:** contains main method

**Menu:** contains start methods in order for the user to choose the functionality.

**DBConnection:** contains the method which is responsible for the connection between the program and the database.

**F1:** contains the method F1SQL which reads the plate that the user inputs, checks it and after searching in the database, returns the expiration status of the vehicle (insured or uninsured).

**F2:** contains the method which reads the number of days that the user inputs to check which cars (plates) in the database will have expired insurance status by that date in the future.

**F3:** contains a method that sorts the plates in alphabetical order.

**F4:** contains a method that reads the fine that the user inputs, finds the number of uninsured cars that this user has and after calculating the sum of the fines, returns the result.