## COMP9321 Cars Analytics API endpoints:

* **Get /cars/{budget}/{brand}** (Eg: Budget: 6500, Brand: bmw)

Give suggestions of cars that the user can buy, based on the brand he wants and the price he wishes to spend.

* **Get /loans**  (Eg: Principal: 15000, Term: 36, Interest: 7)

A loan calculator for user to calculate the amount he has to pay monthly in order to fulfill the payment of the car he wants to purchase.

* **Get /price**
* **Get /reliability no params**

Get request, returns chart of brand reliability analysis.

* **Get /reliability\_avgrepair**
* **Get /session** params: token e.g. token=”extremely long” returns=”username”

Get session returns the end point providing information in which one of the user has the ownership of the session/token

* **Post /session** params:username, password e.g. username=morty, password=albanna, returns: “auth-token”: “extremely long token”

Post creates a user session, the token is required for authentication and stay signed in for the access of the other api endpoints for 100minutes

* **Get /user** params: username e.g. username=user

Get http request, sends a text param as username, looks up the user records and returns corresponding user’s information to the client

* **Post /user** params: username, password e.g. username=morty, password=albanna, returns: user created

If create successful, Post http creates a user record on request with username and password

* **Put /user** params: username e.g. username= user, returns: User Grant Admin Access

Raises the permission of the user to become an Admin, to access other endpoints, modifies resource hence put.

* **Delete /user**  params: username e.g. username= user, returns: user deleted

Deletes a user record (username and password) from the database, erases it from admin and user if exist on admin

* **Get /user/{user\_id}** params: user\_id e.g. user\_id=2, returns: [2,”user2”]

Input a user\_id to the end point, retrieves a username for the corresponding user\_id’s activities