2.1

Tasks:

Verify firstname(s)/lastname/password/email submitted at once functionality (including tests)

Verify email which has been occupied or not functionality (including tests)

Display an error message if an owner tries to register with an existing email functionality

Store firstname(s)/lastname/password/email into database functionality (create a new user account) functionality (including tests)

Display a confirmation if a new user account has been created functionality.

2.2

Because from the conceptual diagram, the relationship between owner and vehicle is 1..\* to 1..\*. However, after discussing with tutor, it is considered that if this multi-to-multi relation is used, the assignment will become more complicated. Because one more relationship table will be used for mapping relationship between owner and vehicle. Thus, an assumption is made as below.

Assumption:

In this case, one owner can have multiple vehicles, but one vehicle only can belong to one owner. Vehicle (1..\*) -------(1) Owner

Tasks:

Verify vehicle’s type/plate number/make/model/fuel all submission at once functionality (including tests)

Verify plate number which has been occupied or not functionality (including tests)

Display an error message if an owner tries to register with an existing plate number functionality

Store owner id, vehicle’s type, plate number, make, model, fuel type into database (register a vehicle) functionality (including tests)

Display a confirmation if a new vehicle has been registered functionality.

Update vehicle’s information in database functionality. (including tests)

Display a confirmation if a registration has been updated.

Remove vehicle’s registration, withdrawing from database functionality. (including tests)

Display a confirmation if registration has been removed.

Acceptance Criteria:

An owner must submit vehicle’s type/plate number/make/model/fuel all at once when submitting or updating.

An owner can update any vehicle info.

When the update is done, a confirmation message is displayed on the screen.

An owner can remove any vehicle registration.

When a vehicle registration is deleted, a confirmation message is displayed on the screen.

The submitted details must be stored into database.

The plate number is used as the vehicle id on the system.

When the registration of the owner is done, a confirmation message is displayed on the screen.

After the registration of a plate number, no other registration is allowed with the same email address.

If an owner tries to register with an existing plate number, an error message saying that plate number is already in use must be displayed on the screen.