Ride Sharing
SENG301 - 2017

Task 2 - Release 1 backlog

1. **As a <u>driver</u>, I want to <u>register a car</u> so that it can be used for sharing a ride.**
   <u>Acceptance criteria:</u>
   - A driver can add as many cars as s/he wants to their account, defining data such as: type, model, colour, license plate, year and the number of physical seats.

2. **As <u>driver</u>, I want to <u>create</u> <u>stop</u> <u>points</u> so I can specify where I will pick up or drop off passengers.**
   <u>Acceptance criteria:</u>
   - Stop points can be defined by their street address;
   - The same address cannot be added more than once.

3. **As <u>driver</u>, I want to <u>add</u> <u>a</u> <u>route</u> so I don't have to re-enter the stop points I will pass for every trip (see Story 4).**
   <u>Acceptance criteria:</u>
   - A route is a list of stop points that the drivers is willing to pick up or drop off a passenger.

4. **As <u>driver</u>, I want to <u>add</u> <u>trips</u> so that I can set up all the information for the rides that I will share later on (see Story 5).**
   <u>Acceptance criteria:</u>
   - A driver will:
     - Select a route, and set the times that they will pass each stop point;
     - Specify the direction they will travel (to / from Uni);
     - Indicate whether this is a recurrent trip, and if so,
       - Define the days on which the trip will happen;
       - Define the expiry date after which trips will no longer be rescheduled.
     - Indicate which of the driver's cars will be used.
   - The user will then be notified that the trip was created and all the trip data will be displayed.

5. **As a <u>driver,</u> I want to <u>share a ride</u> so that it can be displayed to potential passengers.**

   <u>**Acceptance criteria:**</u>

   - While sharing a ride, the driver will define the initial number of seats that will be made available to passengers for this particular ride;
   - The number of available seats on the car must be less than or equal than the number of physical seats (defined in Story 1);
   - When a passenger books a ride, the number of available seats will be decreased accordingly;
   - As default, all the physical seats are created as not available for the ride;
   - While a ride has available seats, the ride data (stop-times, price, driver, etc.) should be available. When no more seats are available, the ride should no longer be displayed when a passenger searches for rides (see Story 7).

6. **As a <u>user</u>, I want to <u>search for existing stop points</u> so that I can define or find rides.**

   <u>**Acceptance criteria:**</u>

   - A user can see a list of all the stop points ordered by the location (number, street, suburb);
   - A user can search for an existing stop point in a suburb or on a street. The result will be ordered by location.

7. **As a <u>passenger</u>, I want to <u>see the available rides</u> at a specific stop point so that I can choose one.**

   <u>**Acceptance criteria:**</u>

   - When a user selects a stop point, the available rides (stop-times) will be displayed ordered by day and time;
   - The user can filter rides based on the direction they are travelling (to/from Uni);
   - The user can select an option and book a ride **or** see its details (Story 8).

8. **As <u>passenger</u>, I want to <u>see the details</u> of a specific ride so that I can choose the best ride for me.**

   <u>**Acceptance criteria:**</u>

   - The user will see the related trip details such as: driver's info (name, photo, grade, etc.), car data (model, color, year, performance, seats available, etc.), route length and number of stops.
   - The user can book the ride detailed **or** go back to the list of rides (Story 7 result).

9. **As <u>passenger</u>, I want to <u>book a ride</u> so that I can get to where I am going.**

   <u>**Acceptance criteria:**</u>

   - Either while browsing the Story 7 result or looking at a ride details (Story 8) a passenger can invoke the functionality to book a ride.
   - The consequences of this action will be:
     - One of available seats in the driver's car will be flagged as booked for the current passenger;
     - When there are no more available seats in the driver's car, it should no longer be displayed as result of Story 7.

   NOTE:

   - In this first version of the RSS, the driver will not have the possibility to deny a booked ride, but it might be a future feature.