

Product Backlog				
Priority	Item	Details	Task Link	Initial Points Estimate
1	WDU-53 Travis Setup Enhancement	Enhance travis setup by making it build without errors related to jdks, sdk, etc. Configure emails notifications. Configure build jar/apk to be uploaded automatically (if possible) to a Download section on github	https://trello.com/c/41cExRGE	8
2	WDU-54 [SPIKE] Is RabbitMQ Public Server Configuration Needed?	Decide if a rabbitmq public server configuration can be done without too much effort and if it can boost the team work by decoupling the rabbitmq configuration from the local machines. Can we configure rabbit for a test and a production environments?	https://trello.com/c/R9krJJUa	2
3	WDU-40 Vehicle Start & Stop UI Implementation	This task involves the boundary as the configuration view for the vehicle. Implement all the configuration settings provided in the UI StartVehicle mockups and also the StopVehicles mockups.	https://trello.com/c/ZvBpQ3Z6	8
4	WDU-51 Vehicle Simulation Implementation	Based on UI Configuration. Simulate the vehicle movement and position change. Simulate that the battery drains while moving and eventually simulate broken/abuse status (depends on configuration settings). Simulate also the recharging movements.	https://trello.com/c/NwyTLVzH	10
5	WDU-52 Vehicle Service Communication & AI Implementation	Implement all the communication needed with the vehicle service by the vehicle. Implement the behaviours of the vehicle for all the communications.	https://trello.com/c/7bkXqwrN	10
6	WDU-36 Booking Store Implementation	Based on detail design implement the booking store that will be responsible of retrieve, create and update booking data. This store will be placed into the BookingService. This task will be considered as DONE when all the related tests will be passed. Remember that we chose Jackson as json mapper for model to json and json to model.	https://trello.com/c/O9uhaMUu	10
7	WDU-33 Booking Service Detailed Design	As a user i want to be able to book a vehicle. This service will offer REST api to the mobile users and will communicate with the vehicle service to check that the vehicle to be booked is still available. Classes diagrams & Petri nets if needed.	https://trello.com/c/yxH6wE5s	5

		<p>As a user i want to be able to book a vehicle</p> <p>This service will offer REST api to the mobile users and will communicate with the vehicle service to check that the vehicle to be booked is still available.</p>		
8	WDU-34 Booking Service Implementation	<p>This will include the test.</p>	https://trello.com/c/l8glgBM8	10
9	WDU-38 Vehicle Booking Implementation	<p>The user receives the trip data and should be able to accept or decline the vehicle trip. different behaviour has to be triggered in both cases: the user accepts: booking service sets the booking between user and vehicle the user doesn't accept: no booking is set</p>	https://trello.com/c/oOn1nNXj	
10	WDU-54 Show vehicle travel time to destination	<p>The vehicle service, when receives a nearest vehicle request has to send to the user a response that contains also the vehicle data and its driving data.</p>	https://trello.com/c/z1MoPsP5	
11	WDU-10 Show vehicle travel time to destination	<p>The self-driving car, when receives a driving request, has to send back to the service also its speed, so the service will be able to compute the driving data to be sent to the user.</p>	https://trello.com/c/TgvMZjos	
12	WDU-37 Vehicle Booking Detailed Design		https://trello.com/c/XdtNtGc4	
13	WDU-9 Make sure that with only one vehicle a user can arrive to the destination	<p>Give the possibility to the user to book only one vehicle at a time.</p>	https://trello.com/c/ize2Wkww	
14	WDU-8 Vehicles substitution if the one of the user is broken	<p>As a user, if the vehicle i'm in is broken, i want to arrive to my destination with another substitution vehicle.</p>	https://trello.com/c/sfIWjB7O	
15	WDU-11 Vehicle anti-theft management	<p>The vehicle has to be able to notify a thief attempt to the system.</p>	https://trello.com/c/Jbv9CV66	
16	WDU-7 Show vehicles data (analytics) from back-office	<p>As a back-office user i want to see vehicles and position data analytics.</p>	https://trello.com/c/hWCSjh3J	
17	WDU-50 User Store Implementation	<p>Implements a store that will be responsible of getting users data. Remember that we chose Jackson as json mapper and remember that this store will be placed inside the authentication service.</p>	https://trello.com/c/kjY0F5ci	