

Product Backlog				
Priority	Item	Details	Task Link	Initial Points Estimate
1	WDU-68 Refactoring of WDU-43 code	We need to implement a verticle for the internal mechanism synchronization, instead of using a single thread.	https://trello.com/c/rerD2twy	n.d.
2	WDU-56 System Design Review		https://trello.com/c/1YHI9ISA	n.d.
3	WDU-65 Vehicle simulation position check	the car needs to understand if it is arrived at the destination (in a specified range of the destination position or the position of the user) and update its state in case. it needs to communicate to the service the changes (the implementation of the communications is in an apposite task)	https://trello.com/c/Y35aQN9I	n.d.
4	WDU-40 Vehicle Start 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.	https://trello.com/c/ZvBpQ3Z6	n.d.
5	WDU-59 Vehicle Stop UI Implementation	This task involves the boundary as the configuration view for the vehicle. Implement all the configuration settings provided in the UI StopVehicles mockups.	https://trello.com/c/9Jp6tLYi	n.d.
6	WDU-63 Vehicle Service communication response AI Implementation	Implement the capability of the vehicle to answer correctly to all the communications. in case of drive request from vehicle service the vehicle will answer the number of kilometers that it can run based on its battery, speed and battery usage per kilometer, not yes or no	https://trello.com/c/HIIWKS5D	n.d.
7	WDU-10 Show vehicle travel time to destination	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.	https://trello.com/c/TgvMZjos	n.d.

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	WDU-36 Booking Store Implementation 8	<p>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.</p> <p>Remember that we chose Jackson as json mapper for model to json and json to model.</p>	https://trello.com/c/O9uhaMUu	n.d.
	WDU-33 Booking Service Detailed Design 9	<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> <p>Classes diagrams & Petri nets if needed.</p>	https://trello.com/c/yxH6wE5s	n.d.
	WDU-34 Booking Service Implementation 10	<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> <p>This will include the test.</p>	https://trello.com/c/l8glgBM8	n.d.
	WDU-38 Vehicle Booking Implementation 11	<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:</p> <p>the user accepts: booking service sets the booking between user and vehicle</p> <p>the user doesn't accept: no booking is set</p>	https://trello.com/c/oOn1nNXj	n.d.
	WDU-54 Show vehicle travel time to destination 12	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.	https://trello.com/c/z1MoPsP5	n.d.
	WDU-37 Vehicle Booking Detailed Design 13		https://trello.com/c/XdtNtGc4	

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14	WDU-9 Make sure that with only one vehicle a user can arrive to the destination	Give the possibility to the user to book only one vehicle at a time.	https://trello.com/c/ize2Wkww	
15	WDU-8 Vehicles substitution if the one of the user is broken	As a user, if the vehicle i'm in is broken, i want to arrive to my destination with another substitution vehicle.	https://trello.com/c/sflWjB7O	
16	WDU-11 Vehicle anti-theft management	The vehicle has to be able to notify a thief attempt to the system.	https://trello.com/c/Jbv9CV66	
17	WDU-7 Show vehicles data (analytics) from back-office	As a back-office user i want to see vehicles and position data analytics.	https://trello.com/c/hWCSjh3J	
18	WDU-50 User Store Implementation	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.	https://trello.com/c/kjY0F5ci	