Final Project
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אוניברסיטת
אריאל
בשומרון

Requirements Specification

ID	Description	Type (functional/unfunctional)	Sub-type	Priority (1-5)	Notes	User Privileges
1	Create an algorithm that wisely chooses routes and passengers and assigns them to vehicles.	unfunctional	IDK	5	We might create an algorithm of our own, or choose an existing one with adjustments to fit our needs.	
2	Create a simulation system to run our algorithm	unfunctional	IDK	5	The simulation will run the algorithm on a dataset and report on criteria we will deem important (customer satisfaction, average difference between ride time and direct travel time etc.)	
3	Ride time will be at least as good as public transportation, while aspiring to be best possible	functional	Operational	5	This is very critical, as otherwise there will be no incentive to use the service.	

4	We will compare the average difference between taking a public bus and using our service	unfunctional	IDK	5	Important as this is one of the main points of comparisons for the project.	
5	Time windows for departure of rides will be defined	functional	Operational	3	Passengers can define time windows for when they are willing to get to their destination \ when they will be picked-up. We believe this might be helpful to the algorithm for finding optimal routes. Whether this will help or not remains to be seen, so we will decide later if this must be implemented.	
6	Connecting rides will not be permitted	functional	Operational	4	That is, at least for the current scale of the project, as we plan to test it within cities, i.e., for short rides. Also, might be too bothersome for the users.	