

Epic name	User story name	User story	Source
Traffic simulator	EPIC: SIM	As a UMD employee, I want to see a real-time simulation of the current traffic situation of Wonderland, so that I can take more informed decisions	Interview
	SIM-1	As a UMD employee, I want an up-to-date map of the streets of Wonderland (including different road types and obstacles), so that I have an accurate background for the traffic simulator	
	SIM-2	As a UMD employee, I want to see the current traffic on the map (gathered from the sensors in Wonderland), so that I the current situation including busy areas and congestions	
	SIM-3	As a UMD employee, I want to be able to see a heat map of the traffic, so that I can quickly see how the crowdedness is spread in Wonderland at the moment	
Environment measures	EPIC: ENV	As a UMD employee, I want to see environmental measures (taken at points in the city), real-time on the map, so that I know how the current traffic situation is affecting the environment	Interview

	ENV-1	As a UMD employee, I want to see the overall real-time co2 emissions , so that I know how harmful the traffic situation is to the environment	
	ENV-2	As a UMD employee, I want to see the real-time level of noise per measure point in the map, so that I can see if the noise levels do not exceed the legal limits	
	ENV-3 a	As a UMD employee, I want to see the real-time overall level of air pollution , so that I know how harmful the traffic situation is to the environment	
	ENV-3 b	As a UMD employee, I want to see the real-time levels of air pollution per measure point in the map, so that I can see it when a certain area is getting too polluted	
Historical data	EPIC: HIST	As a UMD employee, I want all historical data to be saved , so that I am be able to create meaningful insights about this data at a later moment	Interview
	HIST-1	I want to save the simulator data (map, traffic and heatmap) of every moment coupled to that specific time, so that I can look into them at a later moment	
	HIST-2	I want to save the environmental measures of every moment coupled to that specific time, so that I can look into them at a later moment	
Data comparison	EPIC: COMP	As a UMD employee, I want to be able to compare historical traffic data, so that I can use the data to create meaningful analyses	Interview
	COMP-1	I want to be able to select a specific period of time to see the "data" from	
	COMP-2a	I want to be able to see compare the data from 2 different times next to each other, so that I can compare the 2 situations with each other	

	COMP -2b	I want to use historic data to compare multiple situations to compare the results of 2 different solutions that we have built	
	COMP -3	I want to be able to perform repeatable analysis for situations that are similar, so that the workflow is accelerated	
Predicting	EPIC - PRED	As a UMD employee, I want to be able to make predictions about future traffic situations based on similar situations in the past, so that I can take more informed decisions	Interview
	PRED -1	As a UMD employee, I want to know when an area is expected to be too crowded, so that I can work on a solution to avoid the problem	
	PRED -2	As a UMD employee, I want to make predictions about the consequences of changing the urban planning of Wonderland, so that I can rely on data when making a decision	
Credibility / accuracy	EPIC: CRED	As a UMD employee, I want to see the credibility of the prediction simulator, so that I know how much I can rely on the data of the system	Interview
	CRED -1	As a UMD employee, I want to compare the predicted environmental levels of the simulator to the actual levels measured by the sensors	
Ease of use	EPIC: EoU	As a UMD employee, I want the systems to be easy to use, so that I can quickly understand all the functions in the system	Interview
New data sources	EPIC: DATA	As a UMD employee, I want to be able to independently add more data sources later, so that I can keep up to date with the most complete data	Interview
	DATA-1	As a UMD employee, when the measurements of more sensors become available, I want to be add them to the map, so that my simulator is as accurate as possible	

	DATA-2	As a UMD employee, when new sources of data become available, I want to use them, so that my simulator is as accurate as possible	
Availability	EPIC: AVB	As a UMD employee, I want the system to always be available, so that I can access it whenever I need	Interview
	AVB-1	As a UMD employee, I want to be able to access the system 24/7, so that I can work flexible shifts	
	AVB-2	As a UMD employee, I want the system to start up within 2 minutes, so that I can go to action fast when it is required	
Platform	EPIC: PLATFORM	As a UMD employee, I want a platform that can be operated independently by people in the department, so that I don't have to ask an expert	System description/interview
Remote	EPIC: REM	As a UMD employee, I want the software to be able to reach from remote computers, so that my employees can work from home	Interview
Snapshots	EPIC: SNAP	As a UMD employee, I want to be able to take snapshots of specific days, or parts of the day, so that I can execute simulations against those scenarios.	System description

