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Team ID	PNT2022TMID01063
Project Name	Project – Signs with smart connectivity for better road safety

Template:

User journey

by the Design Team of Absolut Interactive NL

People 2-9
 Time 30 min
 Difficulty Beginner

Creating a user journey is a quick way to help you and your team gain a deeper understanding of who you're designing for, like the stakeholder in your project. The information you add here should be representative of the observations and research you've done about your users.

1 Phases <small>High-level steps your user needs to accomplish from start to finish</small>	The users must have conscious about the traffic signs	To reduce the accidents it is important to manage vehicles properly	Use GPS sensors would be compulsory used in vehicles.	Use Weather API to detect weather condition
2 Steps <small>Detailed actions your user has to perform</small>	Knowledge of traffic rules, signs and regulations Develop right attitude about driving Driver should have driving license	Warning lights that indicates the vehicle status whether it needs a services Mandatory to check the working condition of engine, control levels, brake system Mandatory to have a tool kit in a vehicle	Use GPRS to identify and track the vehicles Using LCD display, traffic condition, temperature are displayed Use sensor to detect the obstacle or object distance	The NFC tags are used for communicating to the devices Continuously monitoring the working conditions of sensors Use speed controller device
3 Feelings <small>What your user might be thinking and feeling at the moment</small>	<div> To avoid road accidents and passengers safety measures. Speed limits are indicated and display </div> <div> Speed is the main cause for accident Rules violation leads to charges payment </div>	<div> Sensor techniques provide more flexible services To provide better road signs </div> <div> Accidents leads to injuries, medical cost, vehicles damage Traffic congestion or breakdown leads to delay to reach the destination </div>	<div> Technology provides traffic management in a smarter way Cost is sufficient and profitable </div> <div> Weather condition plays a part of role in accidents Major cause can be seen in mechanical parts damage and their economic values also </div>	<div> Provide accident free strategies Avoid risk of damages </div> <div> Risk of internet connectivity loss to track full route destination Toll charges are high </div>
4 Pain points <small>Problems your user runs into</small>	Roads are in bad conditions Due to more traffic, it leads to increase in carbon emission	Blockage of roads due to construction works leads to heavy traffic Due to personal pressure, there is a negligence of road sign	Natural calamities affects driving Rash driving of few drivers leads to accidents	Traffic due to peak occurs Unexpected crossing of animals makes drivers lose their control
5 Opportunities <small>Potential improvements or enhancements to the experience</small>	Speed limits are indicated based on traffic conditions With help of GPRS, locations tracking made easier	Sensor Helps to find obstacle or vehicle distance Using weather API weather conditions are detected	Make street and infrastructure improvements Reduce fatal conditions	NFC is a low cost way to connect to android Installation of these sensors,NFC are more secure