With the introduction of autonomous vehicle transportation networks into road systems across the world, there is a necessity for proper software infrastructure to facilitate safe, inclusive, comfortable and efficient use of these autonomous fleets. Scott’s Tots is interested in engineering such a system.

* To provide users with a convenient experience, they will utilize their mobile or web app to request and monitor rides as well as pay their fair, and facilitate roadside assistance if needed
* To provide safety to the customer, the system will be equipped with a warning system that will alert the rider of an imminent collision, allowing the user to take control in a situation the system cannot handle, transferring legal liability to the user. In the case of a collision, the system shall automatically put the user through to emergency services
* To enhance efficiency and inclusivity, the system shall abled users with disabled users to ensure safety of the party
* The administrator will have access to all the actions of the fleet through live measurements of the fleet, individual vehicles, and end users
* To provide additional revenue, digital and physical advertising will be used inside the app and vehicle, using inferenced from optional telemetry gathered from route choice and social media