

Ethical Design Statement

ThreeWayz is designed on key ethical principles. The ethical design were made by the contribution of everyone on the team. TreeWayz is designed on the basis of staunch ethical principles that ensure trust, safety, fairness, and privacy for its users. The privacy-by-design approach and responsible data handling mean that users will remain in control of their information while reaping the benefits of a reliable and efficient ridesharing experience.

Privacy

This ethical design was perused by Dev Wasan and Dev Daniah, where users have complete control over their personal information. Valuable information is inquired about at the time of registration, including name, phone number, and e-mail; this valuable data is collected with prior consent. The information collected is utilized for matching riders and drives, payment processing, and general resear. ThreeWayz relies on Google Map for live map tracking, pickup, and drop-off locations. Only necessary location data is collected for data minimization. In particular, the data includes pickup and drop-off points. Location data from the trip is not stored permanently-only for the duration of the trip. GPS data transmitted between the app and servers is encrypted. Location sharing within the app is active only during real-time rides and can be stopped or disabled at any time.

Fairness

This ethical design was pushed by Dev Omar. The driver-rider matching logic is developed to be transparent and unbiased. TreeWayz guarantees that decisions on matching depend only upon relevant aspects like proximity, the availability of drivers, and information about rides. Personal attributes of one's age, race, gender, or background are never taken into consideration. This system is continuously monitored for unintended biases to eliminate them, thereby providing equal treatment to all customers. It will help in trusting and having equal opportunities for both the rider and driver communities.

Safety

This ethical design was pushed by for by Dev Rayyan and Dev Jarhed. TreeWayz user safety is a core tenet. Ride Track will let users either monitor real-time trips or share them with trusted contacts. In-app "Report Issue" options make it easy for riders and drivers alike to report their safety concerns, or anything perceived as unusual behaviour. The system analyzes ride patterns for anything out of the ordinary, such as detours or long stops, and automatically sends alerts where warranted. These features together create a safe space in which both the rider and the driver are cared for and protected through their journey.

One ethical trade off

This was the most challenging part of the ethical design. Similar to most location-based services, TreeWayz finds itself at an ethical trade-off: providing seamless convenience on one hand and protecting user privacy on the other. Location tracking allows for quick driver matching, accurate ETAs, and additional safety features but does involve sensitive data handling. TreeWayz maintains responsibility in this trade-off by minimizing the data

collected to just what is needed, limiting how long it is stored, and by giving complete transparency and control to the user. This approach was discussed by the entire team. Everyone was involved while making this decision. In this way the platform can offer more features and improved performance without sacrificing user privacy.