

# Release Plan - CarTrek - V0

## v0.0 - Jan 17 2025

### High Level Goals (MVP)

- Start a drive, end a drive, and record metrics (distance traveled, time taken, etc)
- Ability to save each drive in a logger, attach images (of the route), text description
- Have a social component: friends, liking posts, seeing other users.
- Gamification of driving, users earn stickers by driving a minimum amount of miles (i.e. 20)
- Garage aspect where the users collect avatars/stickers of cars depending on rarity. Customize the garage with stickers? User will select from 5 initial stickers
- Loot Box system to allow users to get stickers with different rarities

### User Stories:

- Sprint 1
  - {Must Have} User Story: As a commuter I want to be able to log my drives both ,commute and leisure, so that I can share them with others and keep them for my reference (*Firebase and AWS S3 setup*) [Story Points: 5]
  - {Must Have} User Story: As a driver, I want a clean UI to interact with so I can have a good experience (*Familiarize with Swift Front End*) [Story Points: 5]
- Sprint 2
  - {Must Have} User Story: As a driver, I want to be able to login to the app so I can use the app and have unique data. (*Firebase Auth*) [Story Points: 2]
  - {Must Have} User Story: As a user I need accurate route tracking information (*Swift ios api 's*) [Story Points: 5]
  - {Should Have} User Story: As a user I want to interact with the routes other people have gone on through likes, comments, follows, etc. (*Swift + Database*) [Story Points: 3]
- Sprint 3
  - {Must Have} User Story: As a gamer, I want to open loot boxes and earn sticker cosmetics rewarded for hitting driving goals. (*Swift randint odds UI*) [Story Points: 2]
  - {Could Have} User Story: As a driver, I want to be able to see and interact with other people who are using the app in real time (*map showing all users/skins*) [Story Points: 5\*]
  - {Must Have} User Story: As a driver, I want to take photos of the drives that I am on and store them on the route. (*Swift + AWS S3*) [Story Points: 5]
- Sprint 4
  - {Must Have} User Story: As a player, I want to collect stickers so I am happy. (*Preliminary Art*) [Story Points: 2]
  - {Should Have} User Story: As a collector, I want to collect my own car in the game (*Sticker/Avatar*) [Story Points: 5]
  - {Should Have} User Story: As a driving enthusiast I want to interact with other driving enthusiasts and schedule ride alongs. [Story Points: 3]

### Product Backlog:

- Turn the stickers/avatars of cars into 3-d models

- Allow the user to collect accessories and
- Create a customizable garage where you can display cars and other customization options
- Share your favorite routes, users can rank them. Based on likes, location
- Public user profiles, where you can view someone else's public routes, garages, follow them, etc.
- In the log, allow you to see other people that have passed you
- Log detailed drive data to get reduced insurance rates
  - Log accelerometer data on phone to log driving habits
  - Would need anti-spoof
- Monetization: buy loot boxes, customization, sell data, premium plan, advanced metrics