

CSE 115A – Introduction to Software

Engineering Release Summary

The Release Summary document contains the following elements:

Heading: Cartrekk, 3/9/2025

Key user stories and acceptance criteria: Give a list of key user stories with their acceptance criteria that can serve as a guide for an acceptance test.

- As a driving enthusiast, I want to log all my drives accurately so I can refer back to them / get drive summaries. For this user story to meet the acceptance criteria, a user must be able to start and end a route, and their route statistics should be saved at the end. Things like distance traveled, time, and the picture they took during the drive. To achieve this, location tracking must be accurate and we must save the metrics accurately as well.
- As a user I want to interact with the routes other people have gone on through likes, comments, friends, etc. For the acceptance criteria for this User Story, we need to implement likes, comments, friends without any major bugs. Users should only be able to like a comment once, and comments should be viewable by everyone.
- Setup a system for determining what rarity and item a user gets when they open a loot box. For this user story, we need to ensure that our loot box system is fair and consistent. It needs to be robust without any bugs to ensure that our users have a fair chance for each loot box.
- As a driver, I want to take photos of the drives that I am on and store them on the route. For this user story we need to make sure that photos are saved to our s3 database properly and they are not lost on the way.

Known Problems:

- Internet loss leads to data loss
 - For example, if I have bad service and take a picture, it might not be able to show up on my feed
- No sign up through just email, only through gmail
- There is no pause button
- If you spam previous button on the tutorial, it will crash the app
- Can't delete comments
- Can't delete photos
- Can't delete friends or unfriend

- Number of comments does not show up on profile view
- Bug: if we toggle between public and private posts we get a different icon for the comments
- Not very clear how many points are needed to unlock a lootbox/car

Product Backlog:

- As a User, I want to be able to display my current equipped car on the map. We started to implement this user story but chose to focus on other tasks first leaving us little time to finish it.
- Expand our unit test suite for view models (e.g., ExploreViewModel) to ensure product quality. While initial tests exist, additional tests are needed to verify that all updates to the view models are detected and that they continue to process and present data as intended.
- A large bug fix that we can try to fix is the issue with some data not being saved when you don't have internet or data. In some edge cases, photos/route info is not uploaded to the databases properly.
- There's a lot of small things that we still should add like the ability to delete comments/images. We also need to fix some small things that crash the app.
- We didn't implement going to another user's profile