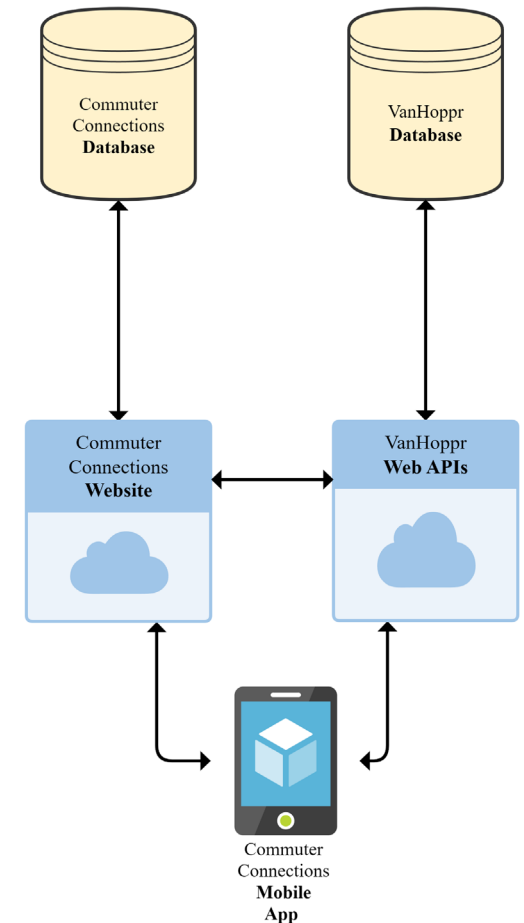# COMMUTERCASH DEPLOYMENT

Overview of phased launch plans for the CommuterCash mobile app

Dan Sheehan
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Commuter Connections Ridematching Committee
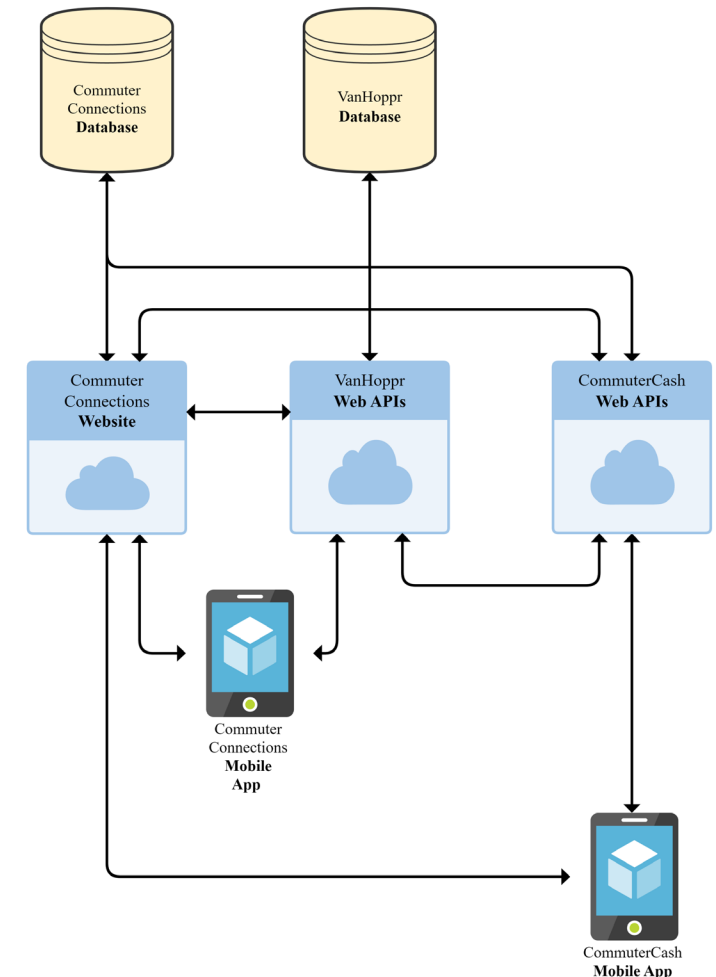December 17, 2024

Overview – Current Architecture

- Two sets of Web APIs to operate

- VanHoppr APIs have some functionality that communicate directly with the TDM website (when adding or updating drivers via the admin website)

- Login, core ridematching, trip logging, and GRH use APIs running from the main Commuter Connections website

- Vanpool match results, one-time ride costs, push alerts, vanpool driver features are powered by the VanHoppr APIs

Overview – Proposed Architecture

- Adding a third API set with increased functionality

- Intention is to not duplicate any functionality built to date but rather augment and extend database tables and functionality within existing TDM database

- New codebase will work in tandem and communicate heavily with existing TDM and VanHoppr APIs

- Code to be written in JAVA Spring Boot

Phase 1 – Core Functionality

Pre-Production (Phase 1) – COMPLETE

- ✓ Application research and prototyping.

- ✓ Prepare wireframes, mobile application designs

Production (Phase 1) – 80% COMPLETE as of 12/17/24

- ✓ Trip Planner

- ✓ Commute Log

- ✓ Gamification Dashboard

- ✓ Rewards / Point Redemption

- ❑ Forgot Password (PENDING, along with other account editing capabilities)

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Phase 1 – Core Functionality

Technical Notes

- Build new HTML/JS web framework mobile application utilizing code from both existing CCMobile and incenTrip mobile applications.

- New application to be cross-platform and not platform dependent so there will be a single codebase for both iOS and Android to minimize development time and updates.

- Develop new database schema and JAVA/Spring API to support the new mobile application on the backend

Phase 2 – goDMV & Administrator Functionality

End-user Functionality

❑ Trip History / Edit profile

❑ Employer Teams, Employer Challenges and Point Award workflows

❑ Custom Leaderboards

❑ Trip Recognition and Fraud Mitigation workflows

System Administrator Functionality

❑ CommuterCash Point Balance / Trip History

❑ CommuterCash Reward Redemption Export as CSV

❑ CommuterCash Reward Redemption – Direct PayPal Integration

Phase 2 – goDMV & Administrator Functionality

Milestones

- Soft launch the updated mobile application by January 15, 2025

- Hard launch by February 1, 2025.

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Phase 3 – Advanced Features

End-user Functionality

❑ Multimodal trip planning options (Drive to Rail, Drive to Park and Ride Stop)

❑ Corridor Challenges

❑ Flextime Rewards

❑ Programmable Bonuses

❑ Reach A Ride (customizable popup in dashboard)

Milestones

- Soft launch the updated mobile application by May 15, 2025

- Hard launch by June 1, 2025.

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