fetcher.live

Aziz Angels

- Group #5
- Team Members:
  - Hamza Aziz (HAA037)
  - Holden Gutwin (HCG369)
  - Liam Hilkewich (LLH430)
  - Tanmay Pathak (TAP861)
- Product Name: Fetcher

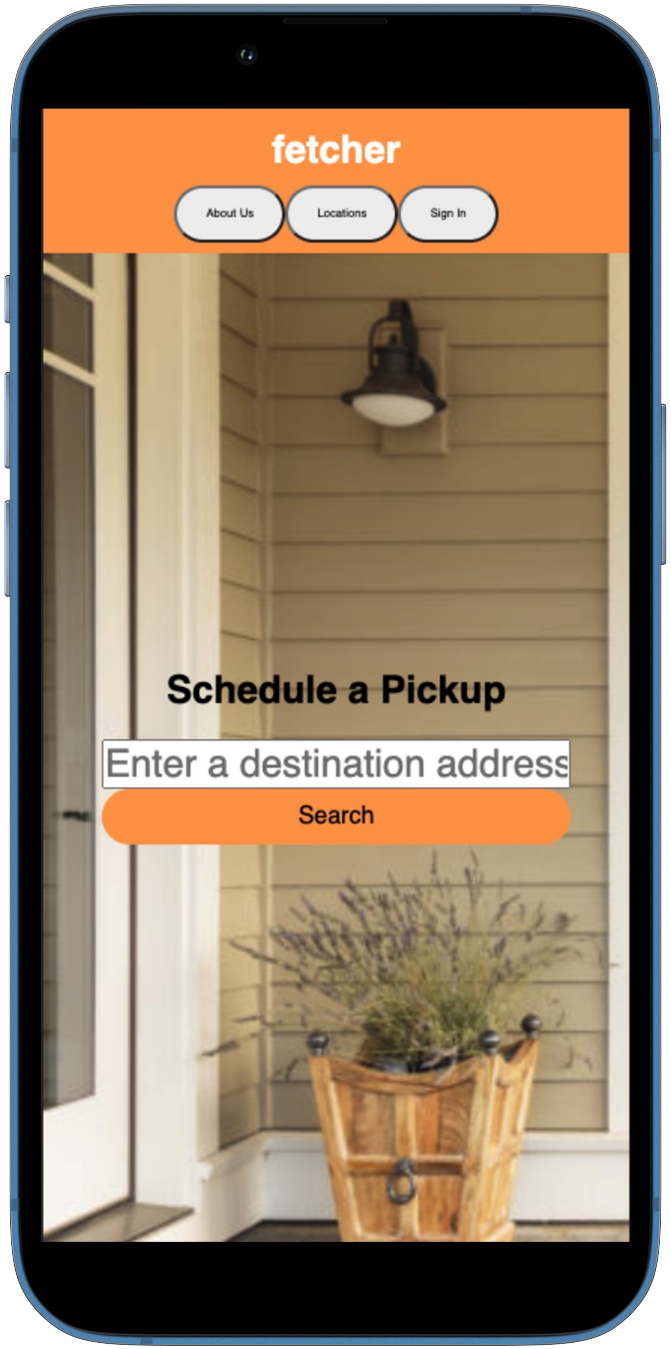
Agenda

- Product Vision, Features & Architecture
  - By Tanmay
- Personas/Roles & Epics
  - By Holden
- User Stories
  - By Hamza
- Quality Assurance Plan & Next Steps
  - By Liam

Product Vision & Description

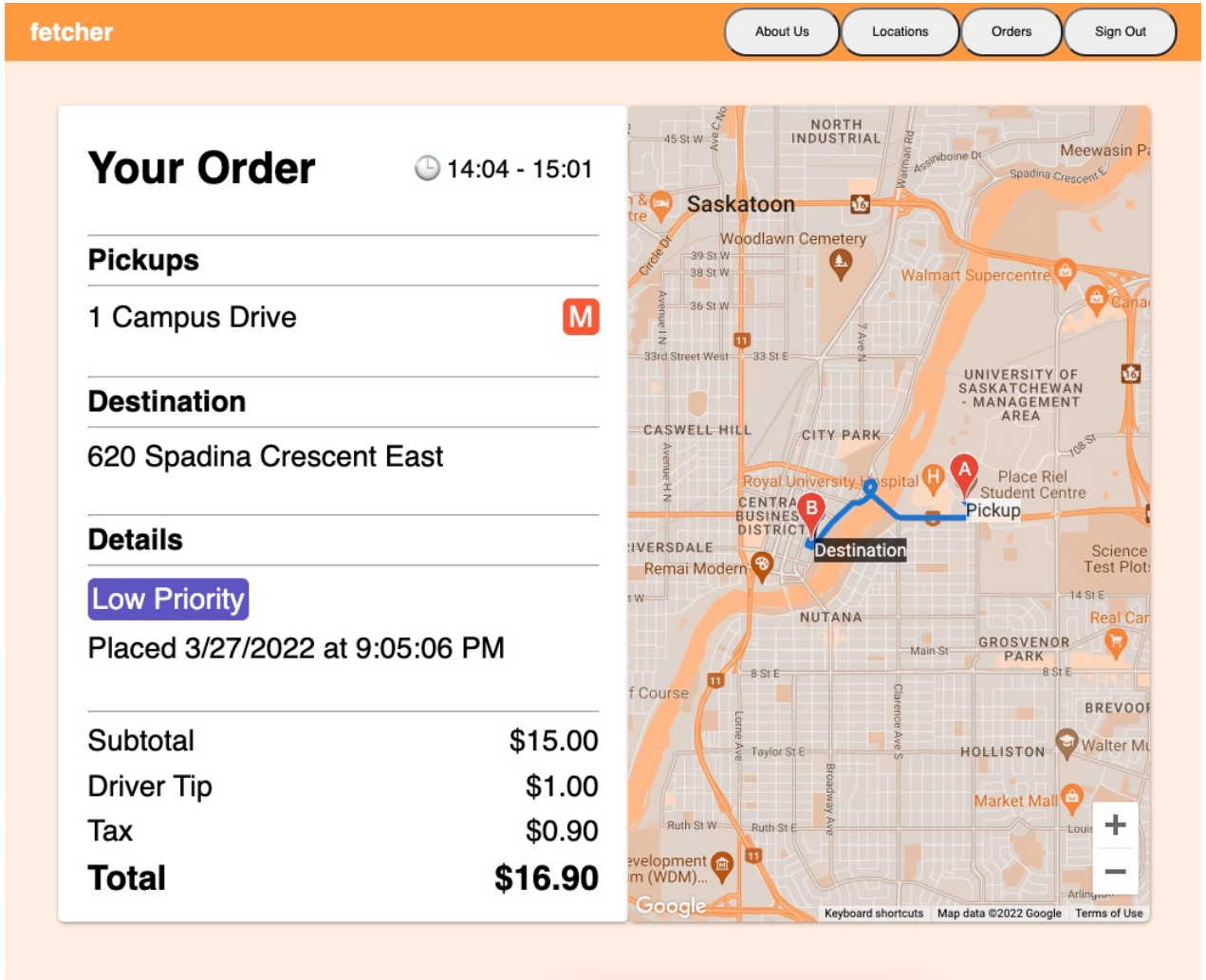
- Web application to move packages from point A to B
  - For business & personal use
  - Handles every step of the process

- Vision
  - Web-based
  - Mobile friendly
  - Beautiful UI/UX
  - Easy to deploy & maintain



Features

- Full PWA support
- Google Maps integration
- Code splitting with SSR
- Login functionality
- Email notifications
- APIs to integrate other delivery providers



Architecture

Client & Driver Side: Next.JS

Styling: Styled-components

Database: MongoDB Atlas

Server Infrastructure: Vercel

Login: Next-Auth with Google & Discord

Maps: Google Maps

Personas/Roles and Epics

- Billy – Personal Manager
  - Wants to save time by getting packages delivered rather than picking them up
- Hammy – Tech-Savvy Millionaire
  - Wants to ensure safety of his home deliveries while he is travelling abroad
- Jasmine – Immunocompromised Artisan
  - Wants to deliver her homemade sweaters to friends and family
- Zohaib – Local Marketplace Maverick
  - Wants to sell his products on local marketplaces contact-free
- Kevin – Paranoid Patron
  - Is convinced aliens are real and out to get him – leaving the house is not an option!

User Stories

Billy

- Ship a package to a client's house in an hour or less
- Manage package deliveries from a mobile device

Jasmine

- Ship a package contact-free
- View delivery options and prices

Kevin

- Give the driver delivery instructions
- Specify the individual pickup locations

Zohaib

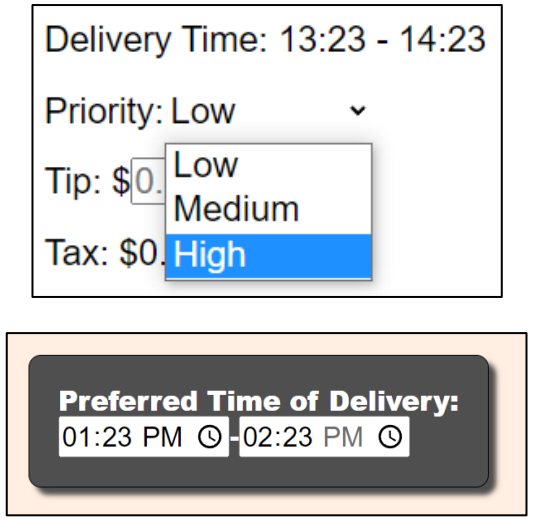
- Schedule multiple deliveries of multiple items
- Receive confirmation when a order is completed

Hammy

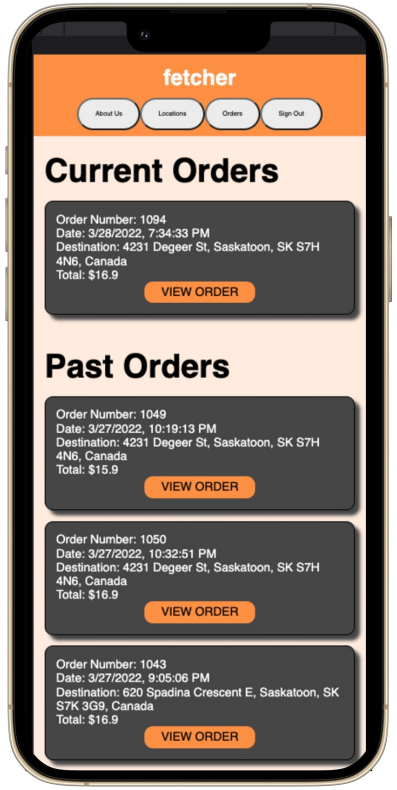
- Add additional pickup instructions
- Set the time of pickup and delivery
- View a list of all past deliveries

User Stories – Billy

- Ship package in an hour or less

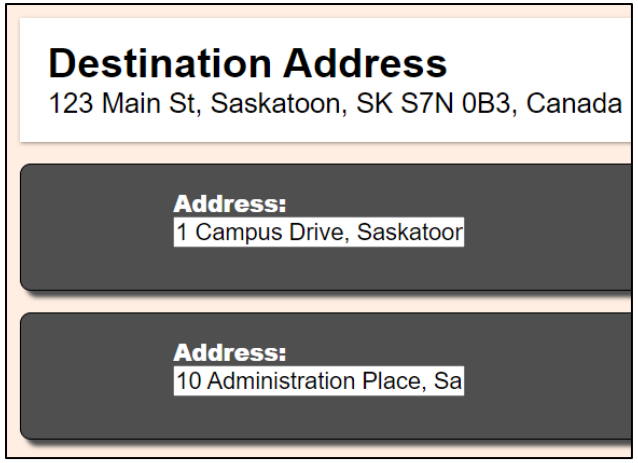


- Use on a mobile device

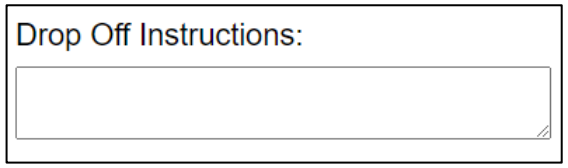


User Stories – Kevin

- Specify individual pickup locations

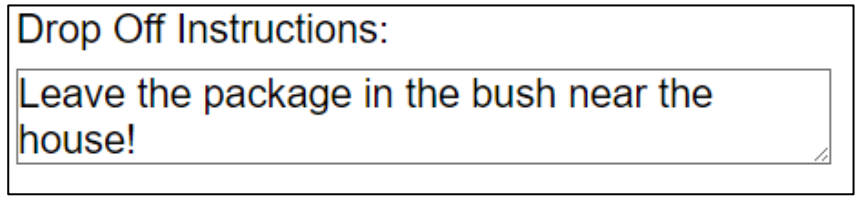


- Add extra delivery instructions

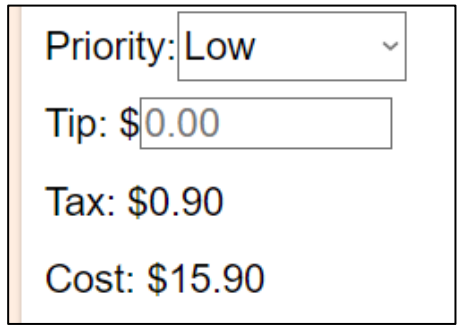


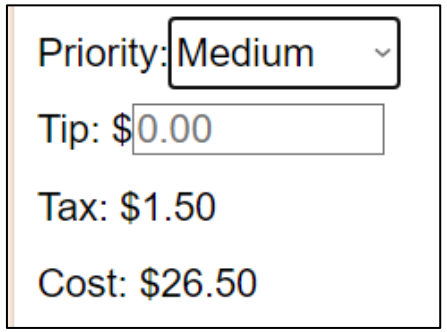
User Stories – Jasmine

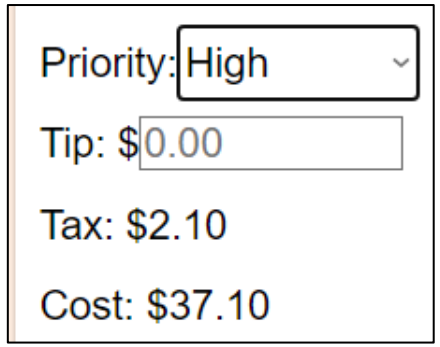
- Ship a package contact-free



- View delivery options and prices

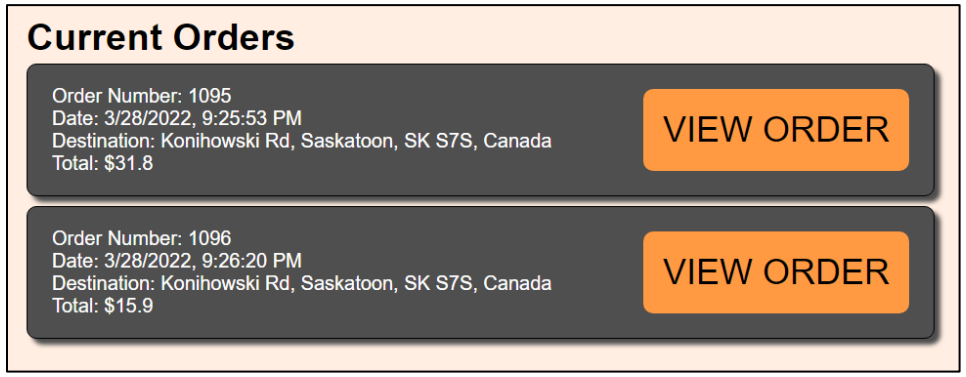




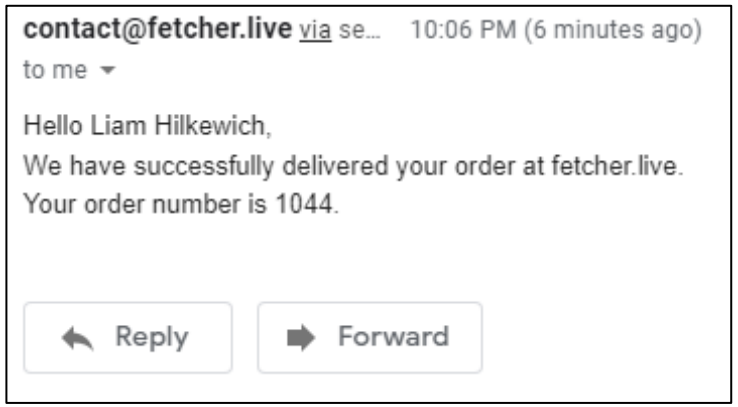


User Stories – Zohaib

- Schedule multiple deliveries of multiple items

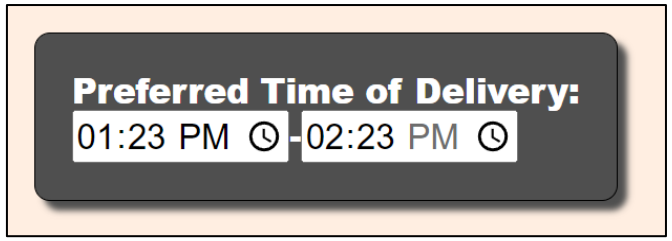


- Receive confirmation when an order is completed

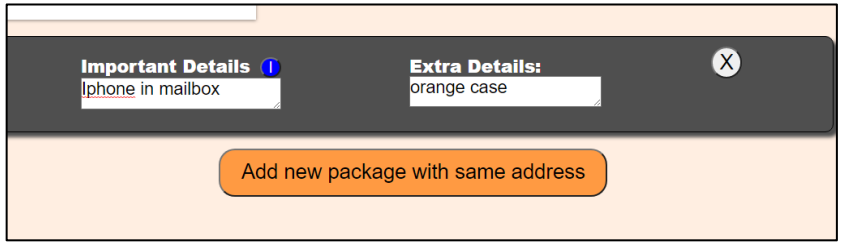


User Stories – Hammy

- Set the time of delivery



- Add additional pickup instructions



- View a list of all past deliveries

Quality Assurance Plan

- Merge requires 1 reviewer
- Automated code analysis in our CI/CD pipeline
- UI prototyping and task walkthroughs
- Google JavaScript style guide
- Unit, integration, and system testing
- Group programming sessions
- Daily virtual standups
- Weekly scrum meetings

Next Steps

- Implement payment with Stripe
- Modify the price calculations
- Improve the driver side UI
- Customize sign-in
- Add live-tracking

Questions

Thank you!