



DriveShare Hi-Fidelity Prototype & Heuristic Evaluation Report

1. Iteration Based on Medium-Fidelity Feedback

Our high-fidelity prototype integrates extensive improvements based on the medium-fidelity testing report. Feedback emphasized clarity, safety, flexibility, and differentiated flows for homeowners and student renters. Below is a summary of major refinements, each tied to specific feedback.

Cleaner, More Polished Visual Design (From Testers Feedback)

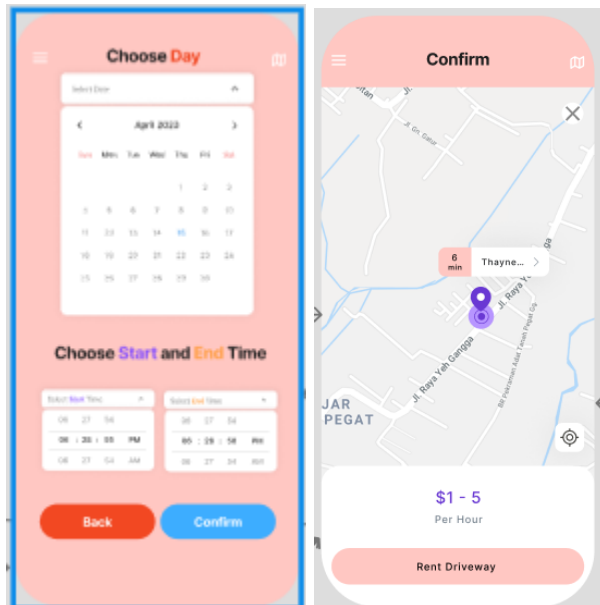
Medium-fi feedback highlighted:

- Inconsistent colors for renters/drivers
- unclear hierarchy

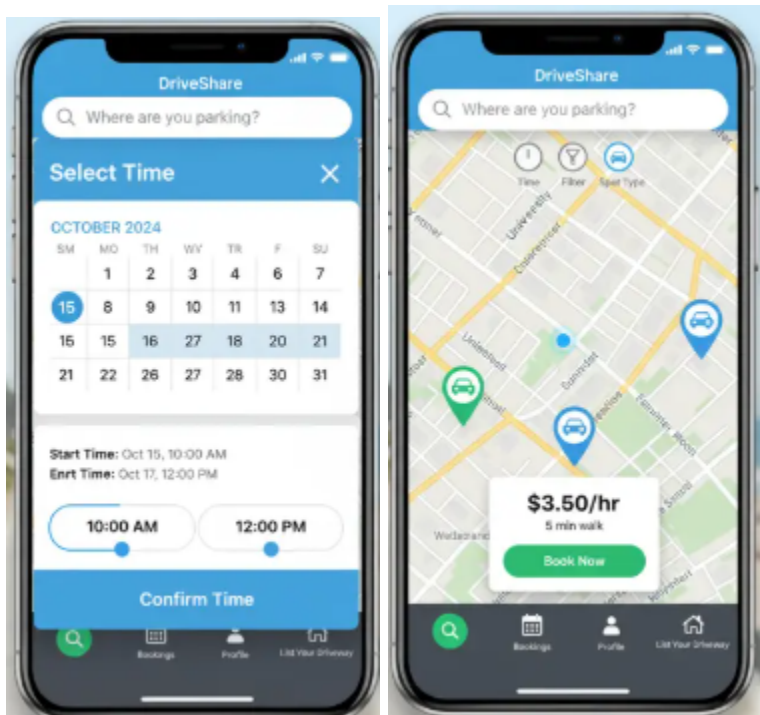
Hi-Fidelity Improvements:

- Implemented a unified design system (type scale, spacing tokens, color system).
- Added clearer visual hierarchy for titles, prices, and safety icons.

Before (Medium-Fidelity):



After (High-Fidelity):



Dedicated Screens for Student Renters vs Homeowners

Medium-fi prototype only fully supported renters. Homeowners had a partially functional listing flow, it was incomplete in comparison to our standards.

Hi-Fidelity Improvements:

Created two complete user paths:

- **Renter Flow:** Search → Map → Filters → Driveway Details → Booking → Confirmation
- Homeowner Flow:** List Driveway → Upload Photos → Safety Tags → Availability → Pricing → Dashboard

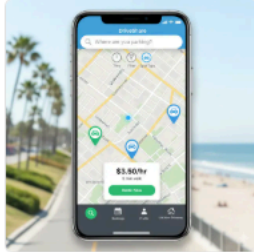
Added a segmented onboarding process tailored to each user type.

🔗 For Drivers

Find, book, and navigate to driveways near your destination.

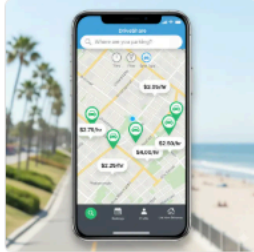
📍 Map Interface

See nearby driveways with price bubbles; pan and zoom the area.



📍 Spot Selection

Browse nearby driveways on the map, compare prices, and tap to book instantly.



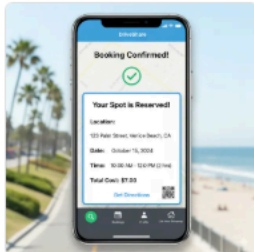
🕒 Time Selection

Pick start/end times or quick presets for your reservation.



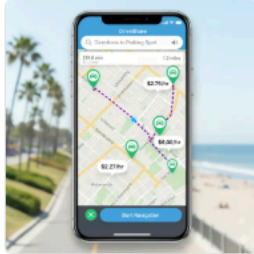
✅ Booking Confirmed

Clear summary with location, date, time, total cost, and 'Get Directions'.



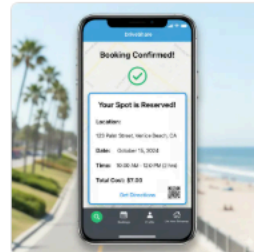
🗺️ Directions to Spot

Turn-by-turn route to your reserved driveway.



💳 Cashless Payment

Pay securely in-app; receipts saved to your bookings.

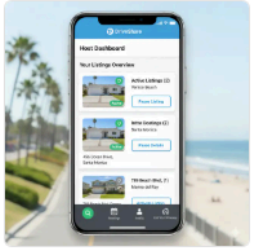


🏠 For Homeowners

List your driveway, set schedules, and track earnings.

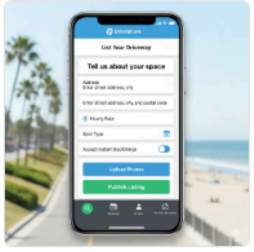
📊 Host Dashboard

Manage active listings and pause/reactivate anytime.



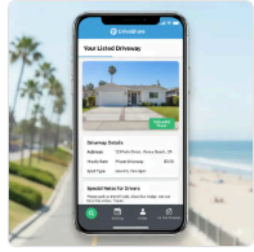
🏠 List Your Driveway

Add address, rate, spot type, upload photos, and publish.



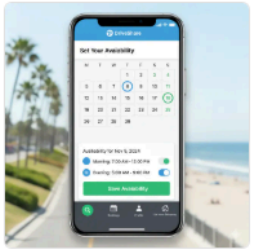
📍 Driveway Info

Detailed page with photo, rules, and special notes for drivers.



📅 Availability Schedule

Choose days and time windows; add morning/evening blocks.



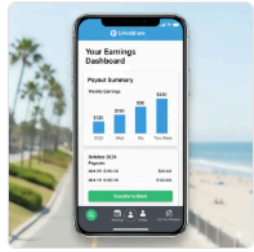
🛡️ Safety & Control

Verified listing, require driver photo ID, lighting checks, and support.



📈 Earnings Dashboard

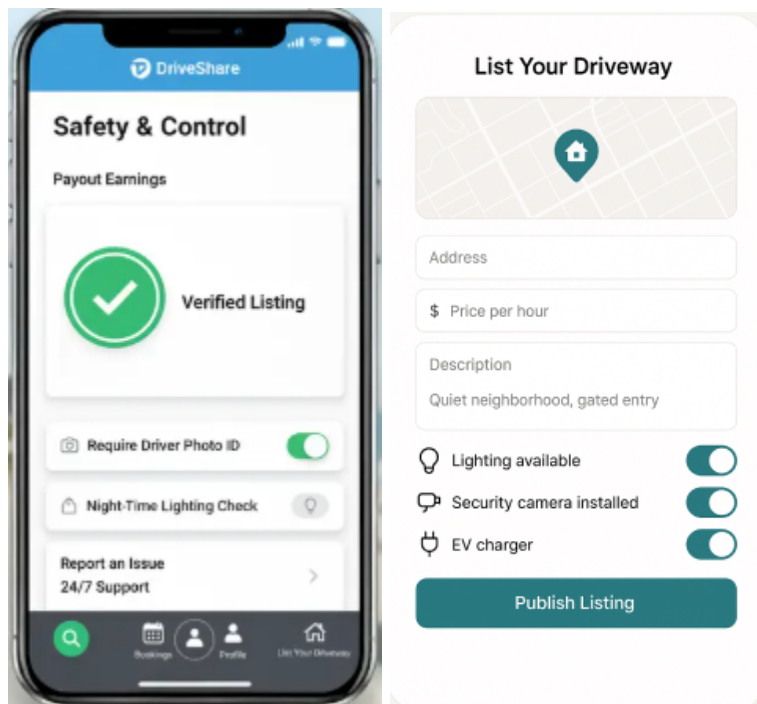
Weekly earnings chart and payout history; transfer to bank.



Increased Safety Features (From Student Testing)

Testers repeatedly emphasized *trust*, *verification*, and *safety cues*. Our improvements include:

- Verified Homeowner Badge
- Safety Features Section:
 - Security cameras
 - Bright lighting
 - Gated driveway
- Neighborhood safety score indicator
- Reviews with sentiment color-coding



2. Nielsen Heuristic Evaluation

We conducted a full heuristic evaluation using Nielsen's 10 Usability Heuristics. Below are the key findings.

H1 — Visibility of System Status

Issue: No clear indicator showing ongoing reservation or loading states.

Fix:

- Persistent “Active Reservation” banner added.
- Loading animations for data fetches.

H2 — Match Between System & Real World

Issue: Some icons unclear (e.g., filter icon looked like settings).

Fix:

- Updated icons to industry-standard sets (Material Symbols).
- Added short labels under icons.

H3 — User Control & Freedom

Issue: No easy way to cancel a booking flow mid-process.

Fix:

- Added “Back” and “Cancel Booking” buttons consistently across all screens.

H4 — Consistency & Standards

Issue: Student and homeowner flows felt like different apps.

Fix:

- Unified typography and button components.
- Shared design tokens across flows.

H5 — Error Prevention

Issue: Homeowners could post without safety tags or photos.

Fix:

- Required fields now include:
 - At least one photo
 - Safety description
 - Accurate availability
 - Price minimum

H6 — Recognition, Not Recall

Issue: Filters hidden inside menus were easy to forget.

Fix:

- Added persistent filter chips on map screen.

H7 — Flexibility & Efficiency of Use

Issue: Repeat users had no saved driveways or prediction.

Fix:

- Added favorites
- Added “Recently Booked Driveways” carousel

H8 — Aesthetic & Minimal Design

Issue: Medium-fi screens were crowded.

Fix:

- Simplified typography
- Reworked card layouts

H9 — Help Users Recognize, Diagnose, Recover From Errors

Issue: Poor microcopy on error states (e.g., “Invalid input”).

Fix:

- Added clear messages:
“This time is already booked—please choose a different slot.”

H10 — Help & Documentation

Issue: Homeowners had no guidance.

Fix:

- Added a “How Listing Works” onboarding walkthrough.

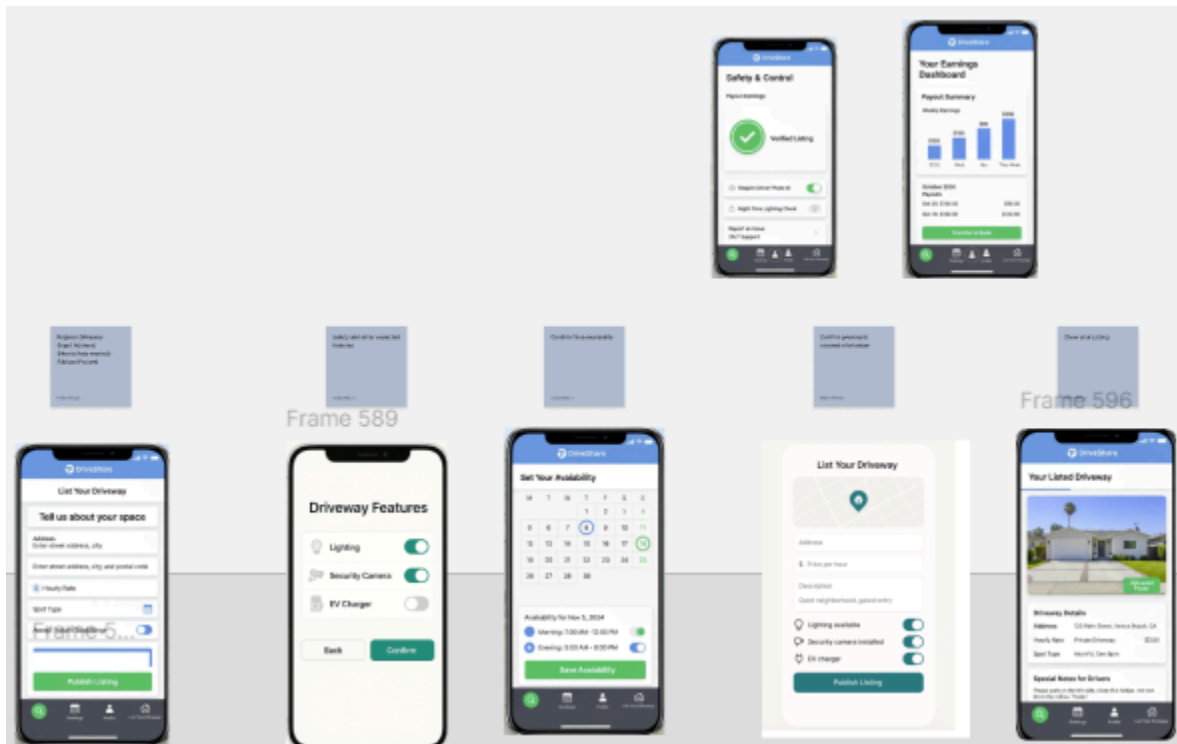
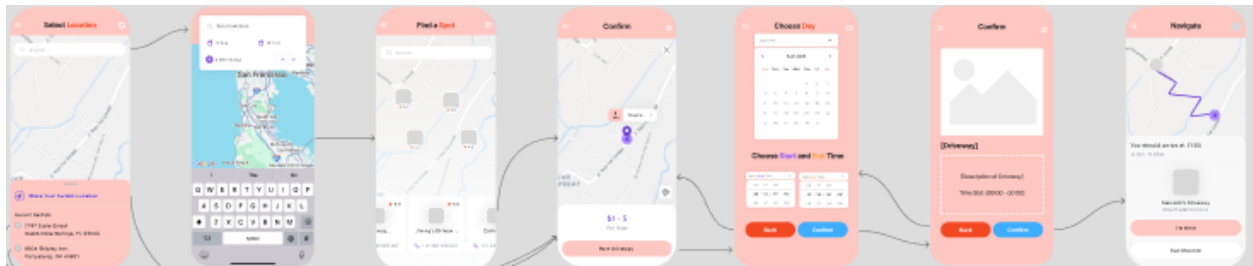
3. Addressing Identified Issues

Every heuristic violation above was addressed in the high-fidelity prototype.

Summary of improvements:

- Added interactive confirmation and cancellation flows
- Improved safety & trust UI
- Reduced clutter and improved navigation clarity
- Added onboarding tutorials
- Added persistent system state indicators
- Improved flow consistency and visual language

The **Before** Prototype on Figma:



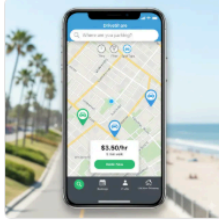
The After:

For Drivers

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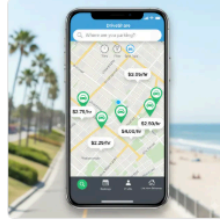
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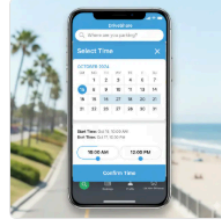
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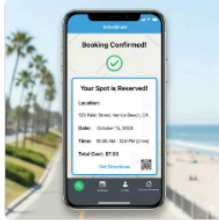
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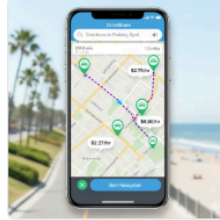
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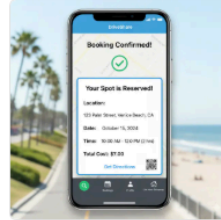
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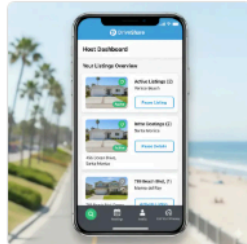


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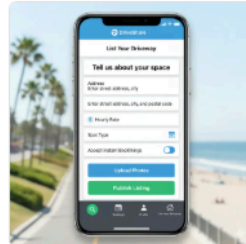
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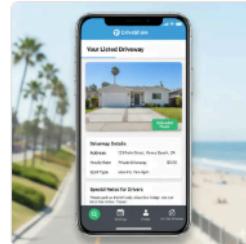
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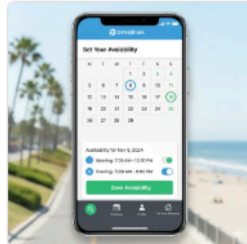
Driveway Info

Detailed page with photo, rules, and special notes for drivers.



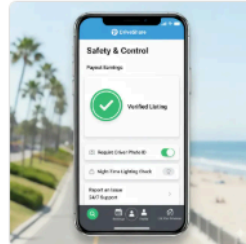
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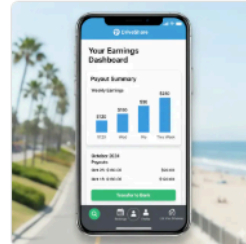
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Earnings Dashboard

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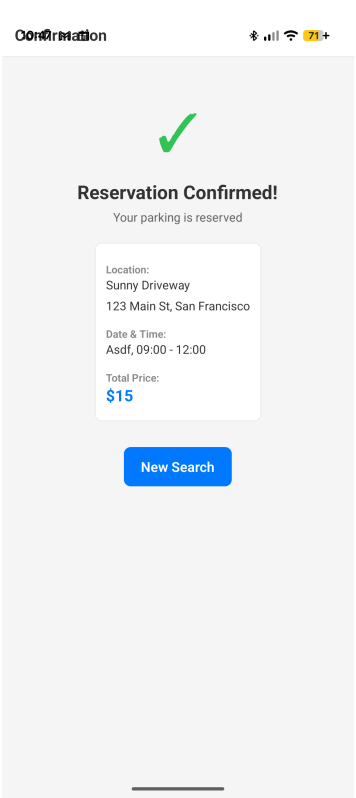
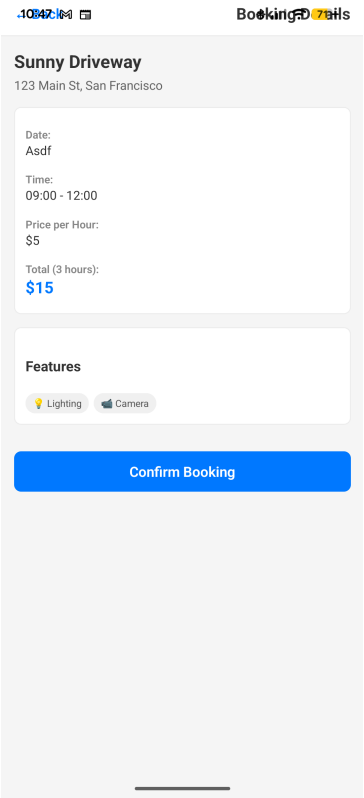
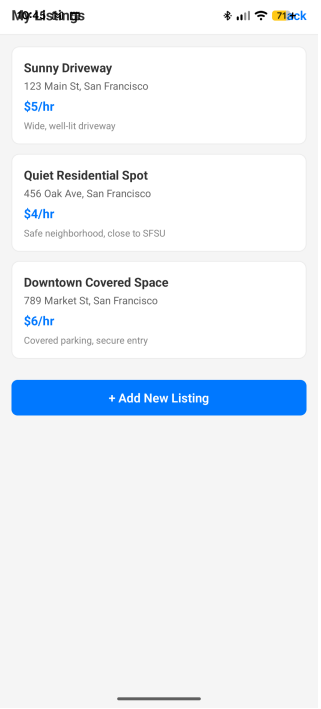
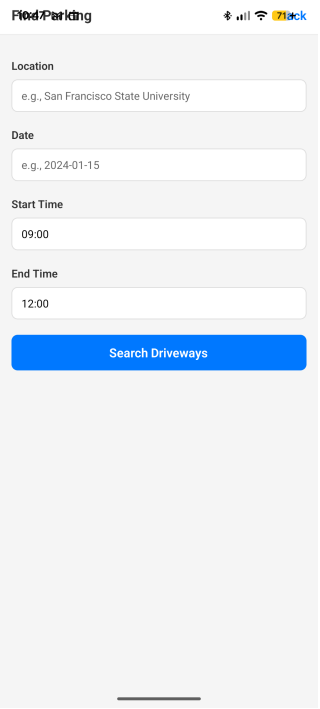
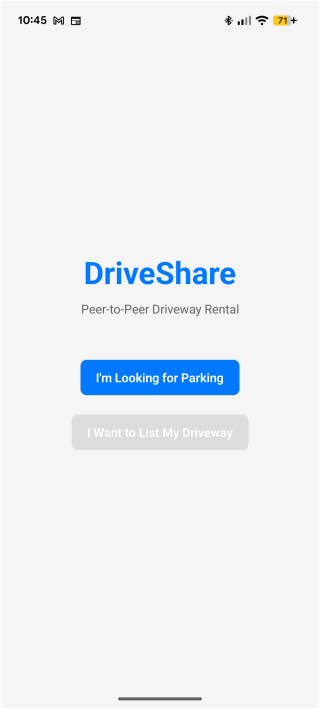


4. High-Fidelity Design (Vibe-Coded Prototype)

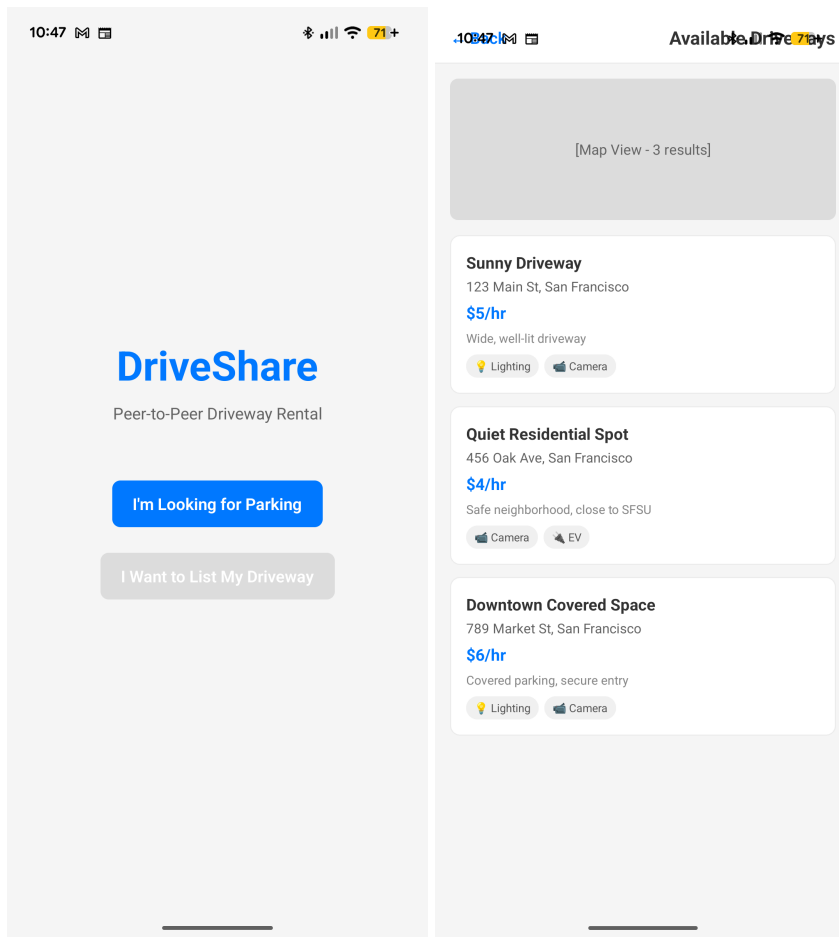
The current high-fidelity is very simple and definitially a work in progress.

Link to Repository for the App: <https://github.com/Rustam751/driveshare>

Below are the screens for a **Student looking for parking**:



Below are the screens for a **Renter to list their driveway:**



10:45 AM

NevoLizing

Driveway Title *

e.g., Sunny Driveway

Address *

e.g., 123 Main St, San Francisco

Description

Describe your driveway...

Price per Hour *

e.g., 5

Features

Lighting

Security Camera

EV Charger

Availability (Days)

Mon

10:46 AM

NevoLizing

Availability (Days)

Mon

Tue

Wed

Thu

Fri

Sat

Sun

Available Hours

08:00 to 20:00

Save Listing

Cancel

10:46 AM

NevoLizing

My Listings

Sunny Driveway

123 Main St, San Francisco

\$5/hr

Wide, well-lit driveway

Quiet Residential Spot

456 Oak Ave, San Francisco

\$4/hr

Safe neighborhood, close to SFSU

Downtown Covered Space

789 Market St, San Francisco

\$6/hr

Covered parking, secure entry

Asdf

Asdf

\$1/hr

Asdf

+ Add New Listing