

Fintech

B2B Marketplace

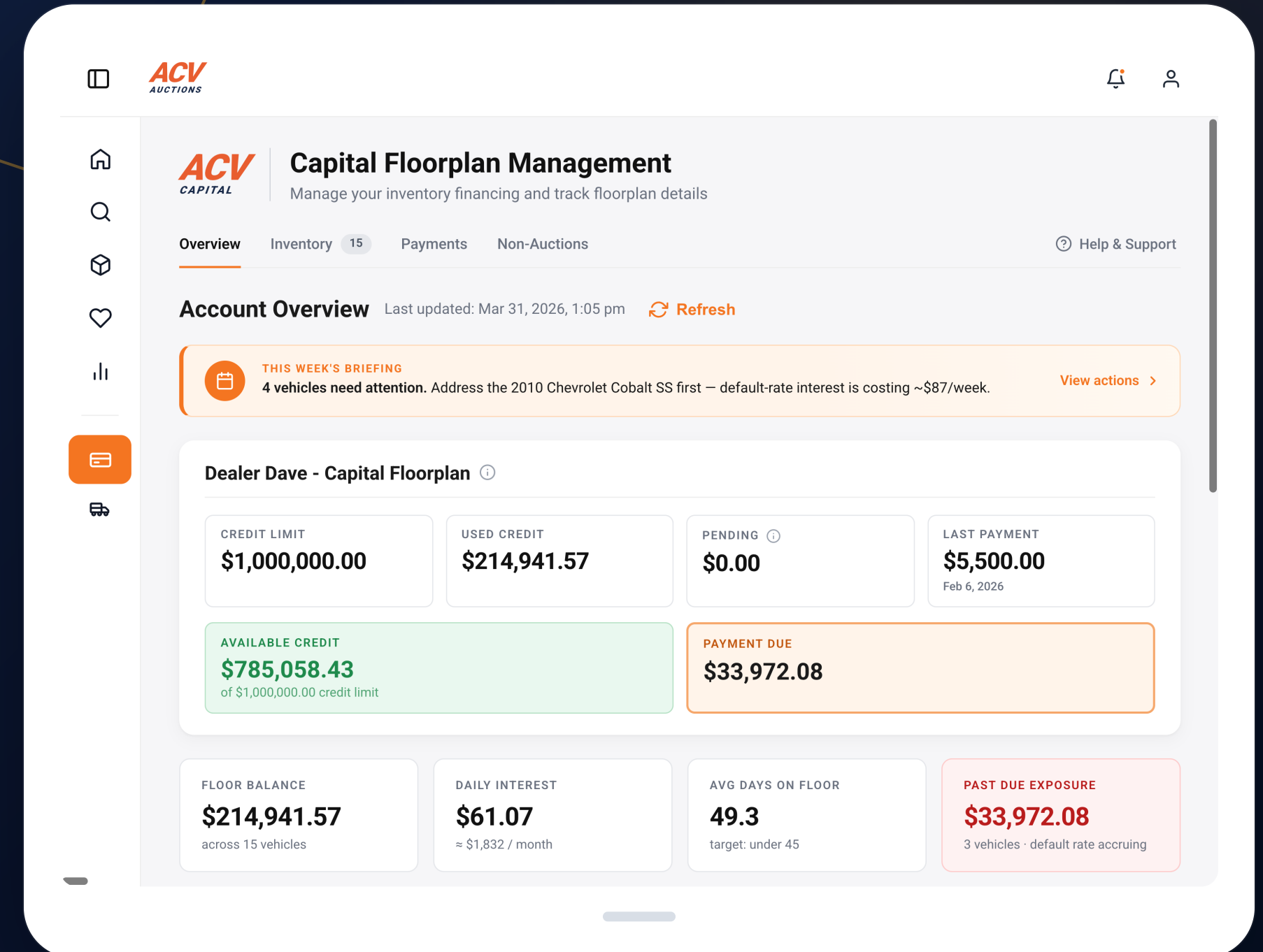
0 → 1

ACV Capital Floorplan Platform

A self-serve platform for dealers to manage floored inventory, maturities, and payments in real time.

"Self-serve, real-time financial visibility"

Margaux Kan | Senior Product Design Manager



Dealers, financing, and the black box this platform replaced

Quick context before the story: who the dealers are, what a floor plan loan is, and how it used to work.

CAR DEALERS

The customers

Independent, high-volume vehicle dealers, from small family-run lots to multi-rooftop operations, running the business from a phone, between appraisals and the lot.

THE LOAN

A "floor plan"

A revolving line of credit dealers use to buy inventory instead of paying cash upfront. They borrow to "floor" a car, then repay when it sells.

THE OLD PROCESS

A manual black box

Credit, balances, and payments lived in phone calls and spreadsheets: manual, fragmented, and invisible to the dealer until they called in.

"I have no idea how much credit I have available unless I call someone."

Independent dealer, research interview

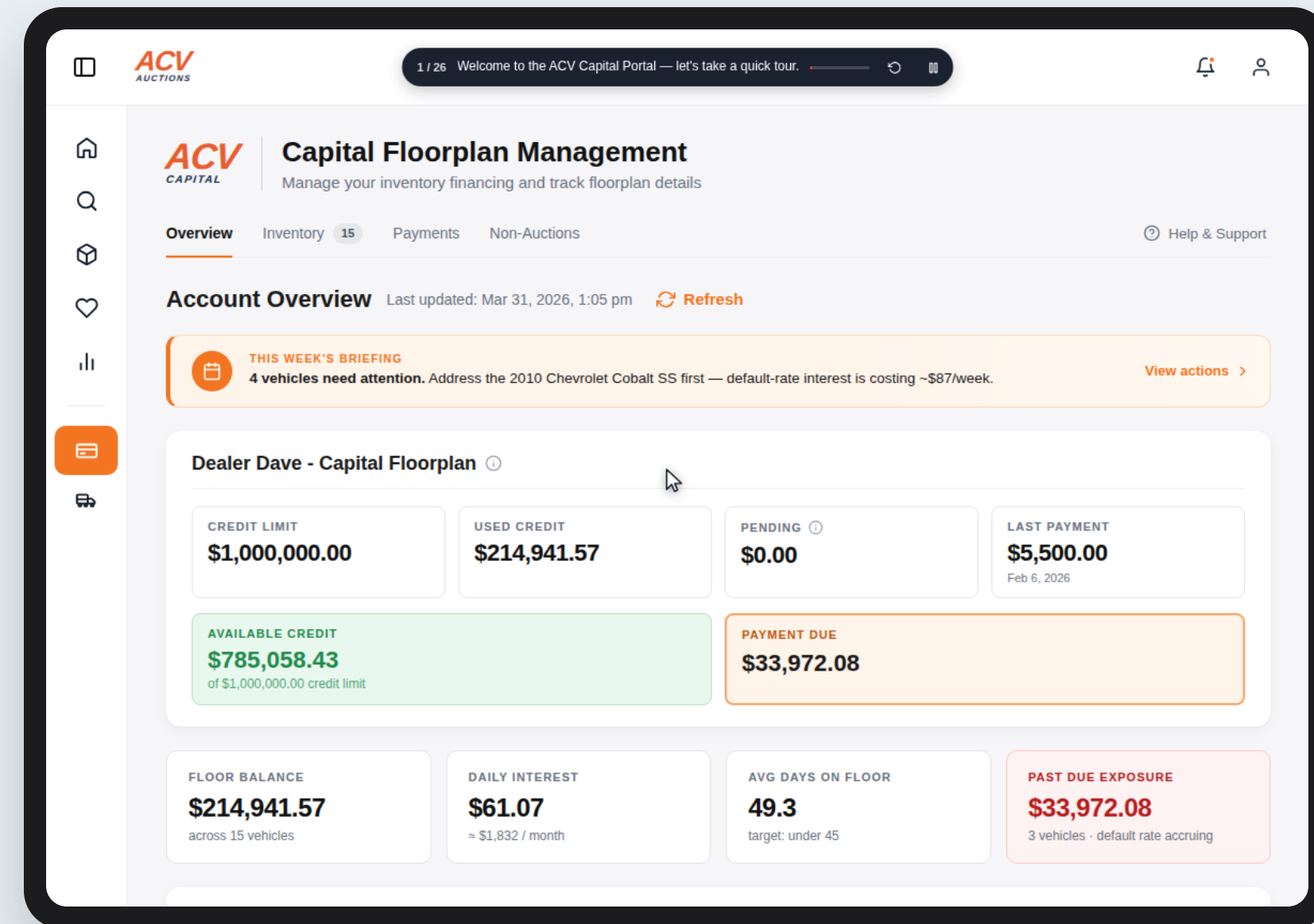
Turning dealer financing into a self-serve, real-time platform

MY ROLE

- Led 0 → 1 design for the Capital Floorplan platform, end to end
- Owned design direction and the real-time balance rollout call; directed a team of 3 designers
- Aligned Product, Engineering, Data Science, Ops, and Compliance from discovery to launch

OUTCOME

Replaced a black-box, phone-based process with a self-serve floorplan platform: real-time inventory, maturities, and payments that grew payment volume, retained top dealers, and cut operational drag.



4.6 / 5

Dealer satisfaction score, post-launch survey
(up from 3.1 pre-launch)

↓ 52%

Drop in inbound service calls for balance &
payment questions vs. pre-launch

90 days

From launch to active, recurring use across
the platform

Mission: replace phone-based financing with self-serve, real-time control of inventory, maturities, and payments.

B2B Wholesale Vehicle Marketplace

Dealer Financing Service

Synthesized from orchestrated dealer interviews & usability sessions: a living profile, not a static list

From small family-run shops to large multi-rooftop operations. \$500K to multi-million credit lines, lean teams, and limited digital tooling, running the business from a phone, between appraisals and on the lot.

Independent dealer, research interview



Jordan

Medium Line Size

Demographic:
 Age: 38
 Education: High School Diploma
 Marital Status: Married, 1 child
 Location: Lubbock, Texas

Business Profile:
 Occupation: Dealership Owner
 Dealership Type: Certified Independent
 Average Monthly Sales on A/CX: 10 cars
 Dealership Lot Size: 50 cars
 Capital Line Size: \$400K
 Inventory Value: \$1 Million - \$1.5 Million
 Line of Credit: 3
 Rooftop: 2
 Employee: 8

Biography

"I am inspired to grow and expand my family business," Jordan says. He has been in the business for 10 years, and he and his brother have built one of the top 100 franchises in the dealership business and continues to expand a leader of the retail market.

Jordan considers himself ambitious and driven. He has been able to expand and grow his business by staying on top of the latest trends in the industry. He has a great eye for spotting big opportunities in the market. Jordan is a long-term oriented person, ready to put in the time and effort to make his business a success.

Jordan has been working on his skills and staying on top of technology. He is currently on the phone, tablet, and laptop. He is interested in the retail market and wants to be the main focus in all of his decisions.

Needs & Goals:

Jordan wants to grow his dealership into multiple regions. He has a lot of cash flow from various franchises with enough funds to purchase vehicles. He needs to know enough about the market to be able to make the right purchase.

Jordan has a small amount of experience in the industry. He only has been in the business for 10 years and is not sure of what he needs to do to be successful. He needs to be able to find the right people to help him with his business. He needs to be able to find the right people to help him with his business. He needs to be able to find the right people to help him with his business.

Jordan deals with the accounts and financial management daily. Therefore, he often goes through the paperwork and the transactions of his business. He is looking for a business partner to help him with his business.

Jordan is looking to expand his business to other parts of the country.

Franchises & Pain Points

Jordan's biggest frustration right now is the pricing of the main market. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business.

One of Jordan's pain points would be being sold out of the main market. He wants to be able to get an idea and understand what the dealership is doing. He wants to be able to get an idea and understand what the dealership is doing. He wants to be able to get an idea and understand what the dealership is doing.

Jordan is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business.



Ray

Small Line Size

Demographic:
 Age: 42
 Education: High School Diploma
 Marital Status: Married, 2 children
 Location: Buffalo, New York

Business Profile:
 Occupation: Dealership Owner
 Dealership Type: Independent (Buyer)
 Average Monthly Sales on A/CX: 5 cars
 Dealership Lot Size: 20 cars
 Capital Line Size: \$75K
 Inventory Value: \$200K
 Line of Credit: 3
 Rooftop: 1
 Employee: 1

Biography

"I would like to have 2 sales people but now it's just me running everything," Ray says. He has been in the business for 10 years and he is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business.

Ray is a sales person at the business and he is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business.

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The dealership has been through some hard times in the past year and a half. Ray is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business. He is looking for a business partner to help him with his business.

Needs & Goals:

Ray wants to be able to manage multiple regions. He needs to be able to manage multiple regions. He needs to be able to manage multiple regions. He needs to be able to manage multiple regions. He needs to be able to manage multiple regions.

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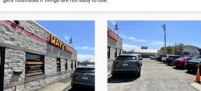
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Small and Medium Line Size: core users of the Capital platform

1 UNDERSTAND →

2 FRAME →

3 EXPLORE →

4 VALIDATE →

5 DELIVER

A retention and scale crisis, not a design polish

Executive framing: not a UI refresh, a platform bet.

THE PROBLEM

- 📱 Payments were manual and fragmented, mostly by phone
- 👁️ Dealers had no real-time view of credit or balances
- ✉️ Ops absorbed high-volume, low-leverage inquiries



BUSINESS RISK: WHY IT MATTERED

- ⚠️ Top dealers threatened to churn
- 📈 Manual operations couldn't scale
- 🛡️ Transparency gaps eroded trust in a financial product

CROSS-FUNCTIONAL & TECHNICAL

Framing this risk meant aligning Product, Engineering, Data Science, Ops, and Compliance around a shared root cause. It also meant surfacing the real-time balance data dependency early, before it became a launch blocker.

HANDS-ON

I personally mapped the problem and sketched early concepts to pressure-test feasibility with engineering before committing the team to a direction.

1 UNDERSTAND →

2 FRAME →

3 EXPLORE →

4 VALIDATE →

5 DELIVER

Framed it as business-critical, then de-risked the hardest dependency

WHAT I LED

- Positioned the work as a business-critical bet, not a UI fix
- Aligned Product, Sales, Ops, Engineering & Compliance on one goal
- Drove the call on the riskiest technical dependency, right down to the phased rollout

HOW I GREW THE TEAM

- Delegated ownership of core flows; coached through ambiguity & tradeoffs
- Ran weekly critiques and 1:1s; set the bar for craft and rationale
- Coached a mid-level designer through stakeholder conflict to own the repayment flow

THE HARD CALL

Real-time balance API

Engineering flagged the live balance feed as the riskiest dependency: compliance exposure and data-accuracy risk that could have sunk the launch.

- 1 Phase 1: ship value fast**
Cached, read-only balances at launch
- 2 Phase 2: real-time, gated**
Live feed behind compliance gates + audit logging
- 3 Phase 3: full real-time**
Rolled out across the whole portfolio

Result: Unblocked launch without betting the product on one dependency.

Embedded design early to drive strategy, not just execution

GOAL Validate where trust and financial clarity were breaking down, across every perspective.

HOW I RESEARCHED

- 10 dealer interviews & usability sessions
- On-site visits + Ops workflow walkthroughs
- Embedded sessions: Sales, Product, Compliance



Dealer interview, on-site



Field visit: Buffalo, NY

ACV CAPITAL

Service Blueprint — Capital Floorplan Lifecycle

From auction purchase to title release, where the dealer experiences ACV loans, and systems meet.

Capital Floorplan Lifecycle	1 Buy & Floor	2 See Account	3 Manage Inventory & Mortgages	4 Pay Curtail - Extend	5 Title Release & Support
Physical Evidence Representing customers	• ACV floorplan app • Auction with - VSA • Floor confirmation	• Capital point dashboard • "This week's ending" • Email point alert	• Inventory list • Monthly calendar • Title status check - reminders	• Payment screen • Method selector • Fee breakdown - receipt	• "Payment cleared" alert • Title released notice • Transaction history - help
Customer Actions Internal & external	• We're buying a vehicle • List a non-auction vehicle • Request floorplan advance	• Log in • Review available credit & payment due • Read weekly briefing	• Filter filtered inventory • Watch monthly business • Track floor - unit details	• Pay off vehicle(s) • Partial pay (installment) • Extended term - plus ACV loan/PT	• Confirms payoff • Request title release • Review history - contact support
Frontstage Frontstage - ops & control	• Floor & vehicle status • Alerts - email - review - submit • Advance confirmation	• Account Overview • Available credit & payment due alerts • Briefing page - weekly activity	• Filterable inventory & bulk pay • Monthly business report due - 2011 • Calendar - title tracking - title status	• Vehicle detail page • Pay now / Pay off / Curtail / Extend • Fee & Early release breakdown	• Payoff confirmation • Automate title release status • Transaction history - completed steps
Backstage ACV finance - not seen by dealer	• Underwrite vs. credit line • Review floor & title fees • Set maturity date - 12/31, 4/30	• Aggregate business • Current available credit • Generate briefing & recommendations	• Clear finance title - credit update • Pay plan due - 12/31, 4/30 - fee • Trigger protection alerts	• Process payment • Apply extension to principal • Auto-approve extension - vehicle interest	• Release title (not in request) • Release account • Handle support edge cases
Support Processes & Systems Internal & third party	• Credit line engine • Auction settlement - ledger • Interest check share (floor deal)	• Risk free balance API • Recommendation algo • Notification service	• Title tracking system • Monthly engine - release rate rules • Notification schedule	• Payment rate - ACV 1-2d • Wire 30x/45x - 1st same day • Fee engine - ledger posting	• Title release workflow • Strong team guide • Support CRM - accounting reconcile

Frontstage - what the dealer sees in the point & app. Backstage - ACV actions not visible to the dealer. Support - internal & third-party systems. Orange dots mark the moments the redesign most impacted.

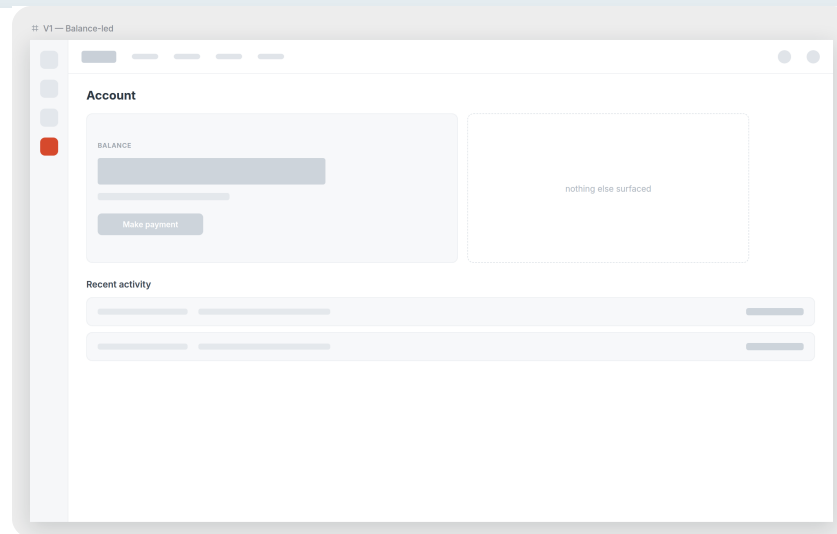
► Full service blueprint

One shared view of the lifecycle, built from field visits, dealer interviews, and cross-functional workshops, gave Sales, Ops, Underwriting & Engineering a common language, and pinpointed where the redesign would pay off.

1 UNDERSTAND → 2 FRAME → **3 EXPLORE** → 4 VALIDATE → 5 DELIVER

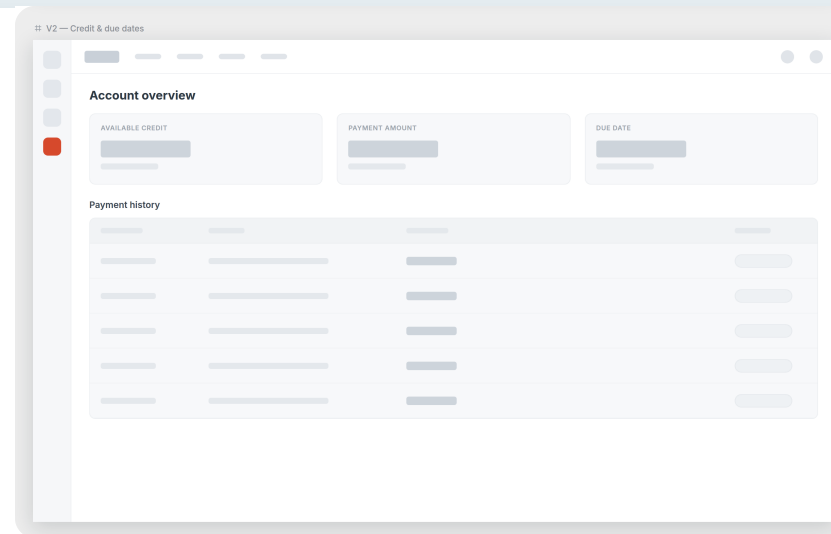
Three directions, stress-tested with dealers before committing

GOAL Find the framing that actually reduced calls and rebuilt trust, not just the cleanest screen.



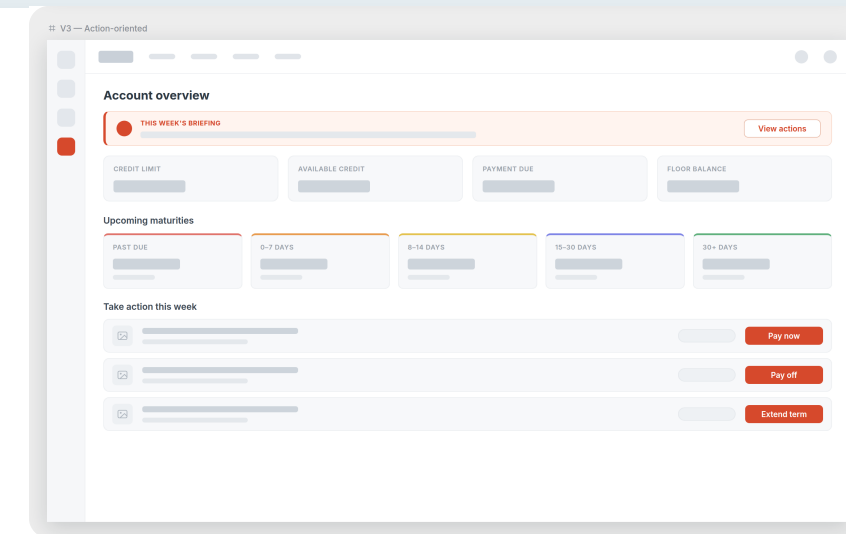
V1 · Balance-led

Led with the raw balance: clear, but it didn't answer "what do I do next?"



V2 · Credit & due dates

Led with available credit and upcoming due dates, mapped to what dealers actually decide on



V3 · Action-oriented

Surfaced one recommended next action per vehicle, ahead of any numbers

HOW THEY WERE TESTED

Moderated usability sessions with dealers, walking through realistic scenarios like checking available credit or resolving a past-due balance, and scored on clarity, trust, and task success.

Results didn't point to a single winner. They pointed to which patterns to keep, and which to drop. That decision carried into Validate.

Reframing the experience around what dealers actually decide on

V1 · Balance-led

DROPPED

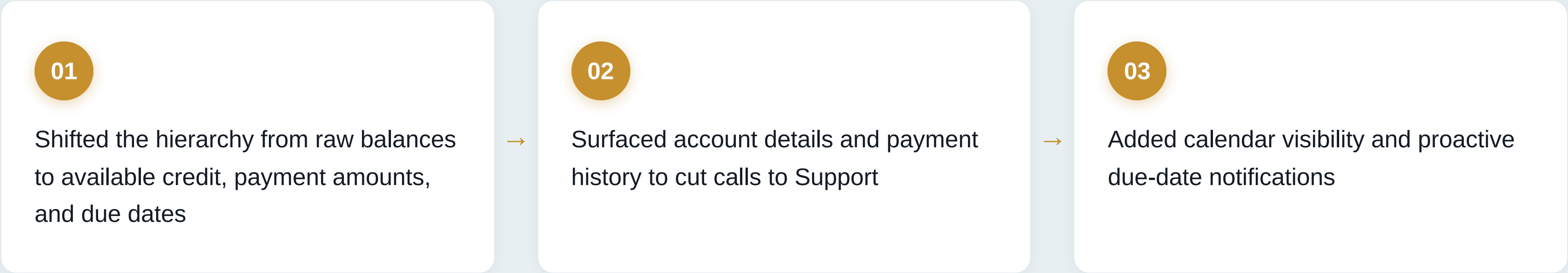
V2 · Credit & due dates

ADOPTED

V3 · Action-oriented

ADOPTED

How we narrowed: tested against clarity, trust, and task success. V2 and V3’s strongest patterns were combined into the final design; V1’s balance-first framing was dropped.





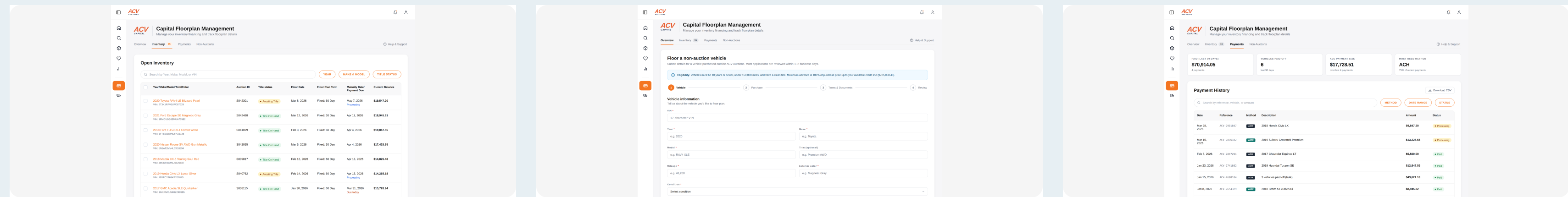
KEY LEARNING

Designing around credit, due dates, and history, not balances, improved clarity and reduced Support calls. We built a decision tool that points dealers to the right action.



A self-serve floorplan platform with real-time control

Real-time visibility over inventory, maturities, and payments that replaces the phone calls and the black box.



Inventory: filters, title tracking, bulk pay

Floor a vehicle: self-serve flow

Payments: methods, history & status

On-time ↑

Higher on-time payoff rate; fewer late fees

90 days

To active, recurring use

4.6 / 5

Dealer satisfaction, post-launch survey

~2×

Fewer routine inquiries to Ops vs. baseline

DESIGN SYSTEM Reusable patterns contributed to ACV's Global Design System.

LAUNCH Rolled out in phases, then scaled to all ACV Capital customers within six months.

DELIVERY Coordinated Engineering, Data Science, Ops & Compliance through launch, resolving real-time balance and payment dependencies as they surfaced.

HANDS-ON Stayed in the design tool through final execution: interaction details, edge-case states, and copy, not just direction.

*Impact measured against pre-launch baselines from internal reporting. Specific figures redacted for confidentiality.

"My office managers stopped calling us about balances and titles. They just handle it in the portal now. It changed how we run the floor."

— Shayan K., GM, Capital Operations