

We are the UK's leading digital automotive marketplace, bringing together the largest and most engaged consumer audience with the largest pool of vehicle sellers

**21 million**  
lifetime app  
downloads

Data.ai: number of total app lifetime downloads since launch

Over  
**439,000**  
cars listed per day

Average April - June 2024



On average, in Jan-24 to Jun-24 AT saw...

**8.1x**

**More Automotive  
Searches than Google**

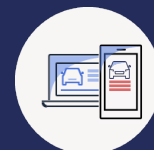
Average monthly searches for top 15 Make Models - Keyword explorer, Ahrefs & AT Internal Data Jan 2024 - Jun 2024

**83.4m**  
cross-platform  
visits per month

Internal data: Snowplow Analytics- monthly average, April - June 2024

**10.2m**  
monthly  
unique visitors

ComScore MMX® Multi-Platform, Total Audience, Auto Trader, Average of Total Unique Visitors, April through June 2024, UK



On average, in the last 3 months,

**6.2m<sup>(1)</sup>**  
of our audience is  
completely unique to us

An aerial photograph of a red car driving on a two-lane asphalt road that curves through a dense forest. The trees are in various stages of autumn, with some showing bright yellow and orange leaves, while others remain green. The road is flanked by gravel shoulders. The overall scene is captured from a high angle, looking down at the car and the surrounding landscape.

# One Team, One Goal: Delivering Quality Software

Gina

Senior Test Engineer  
11 years in testing

Interests:

- Muay Thai
- Bikes
- Walking
- Going to the pub



# Sam

Senior Test Engineer  
6 years in testing

Interests:

- Cooking
- Video games
- Hiking
- Going to the pub



# Agenda



1

Our Testing  
Journey

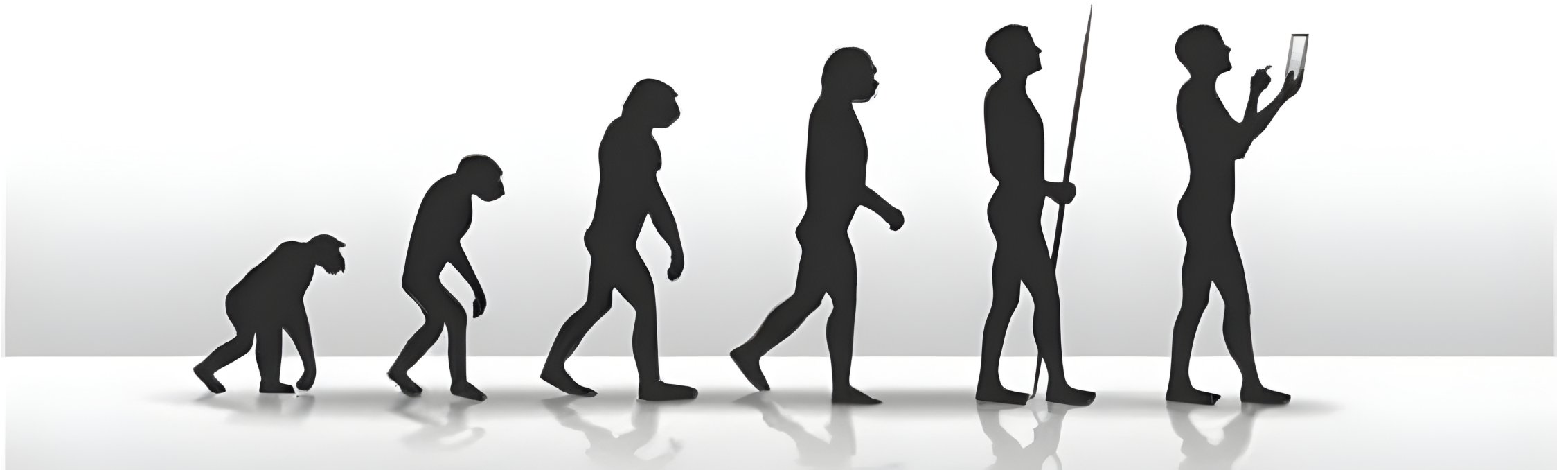
2

The Testing  
Pyramid In  
Practice

3

Ways of  
Working

# Our Testing Journey



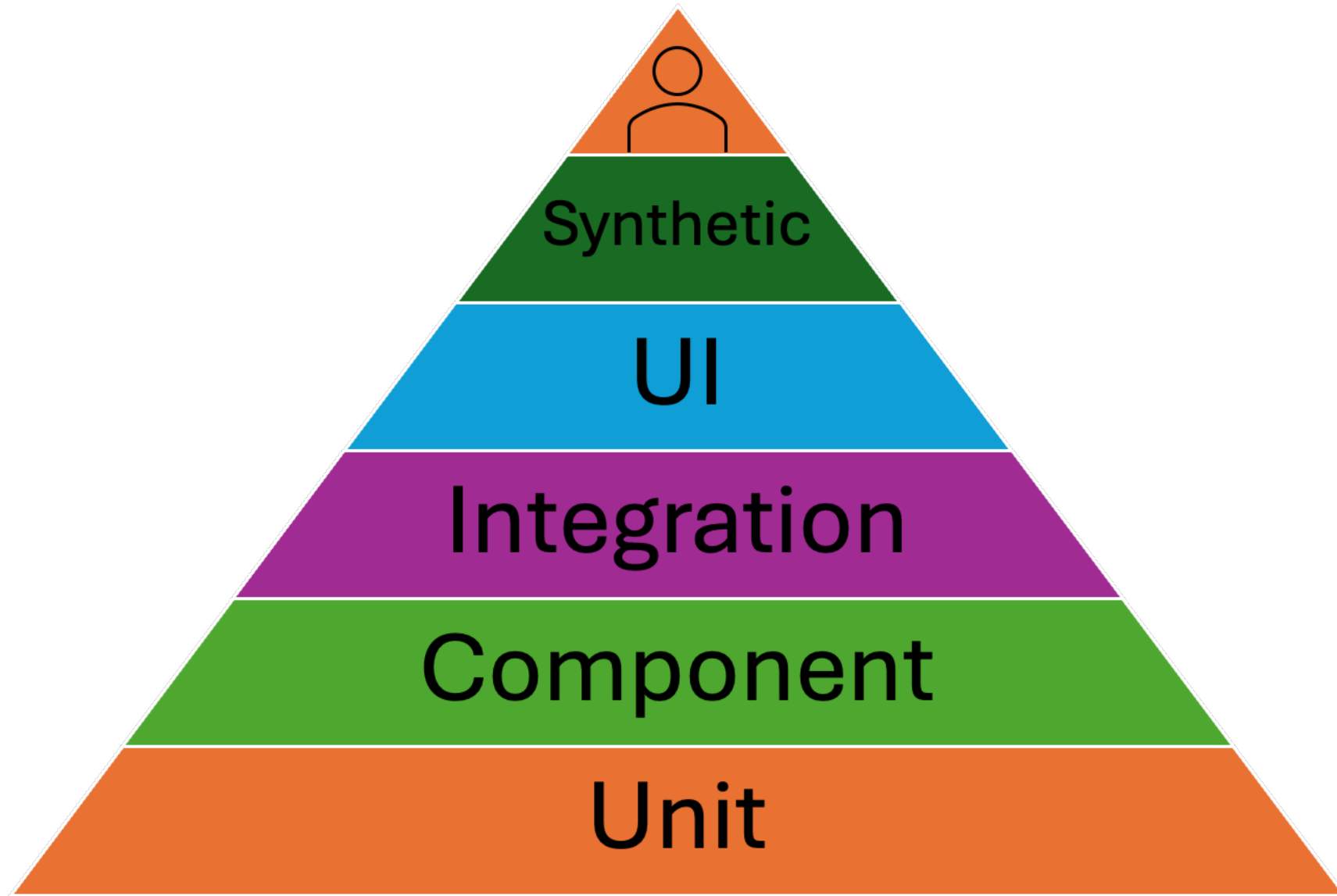
Instance	publish	preprod	prod
<b>7150</b> <span>VSM</span> Revision: 6bc89fa3b528b98f0a60265880e0a3ac091dbf07 21 Jan, 2025 at 11:45:41 Local Time <a href="#">Triggered by Darren.Metcalf@autotrader.co.uk</a> <a href="#">Add Comment</a>			
<b>7149</b> <span>VSM</span> Revision: c5025a0b910e22cb7444c7312a51800514b06f4f 21 Jan, 2025 at 11:02:02 Local Time <a href="#">Triggered by changes</a> <a href="#">Add Comment</a>			
<b>7148</b> <span>VSM</span> Revision: 2110f26432e608a0067f7a1865b57572dfa0c234 21 Jan, 2025 at 10:09:21 Local Time <a href="#">Triggered by changes</a> <a href="#">Add Comment</a>			
<b>7147</b> <span>VSM</span> Revision: 1946249ed1bda88edf032e81fb7f14cae485c519 21 Jan, 2025 at 10:03:31 Local Time <a href="#">Triggered by changes</a> <a href="#">Add Comment</a>			



“

**Shift Left - the process of moving testing and quality earlier in the software development life cycle.**

”



# Agenda



1

Our Testing  
Journey

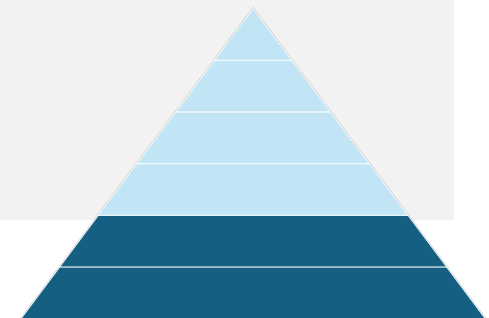
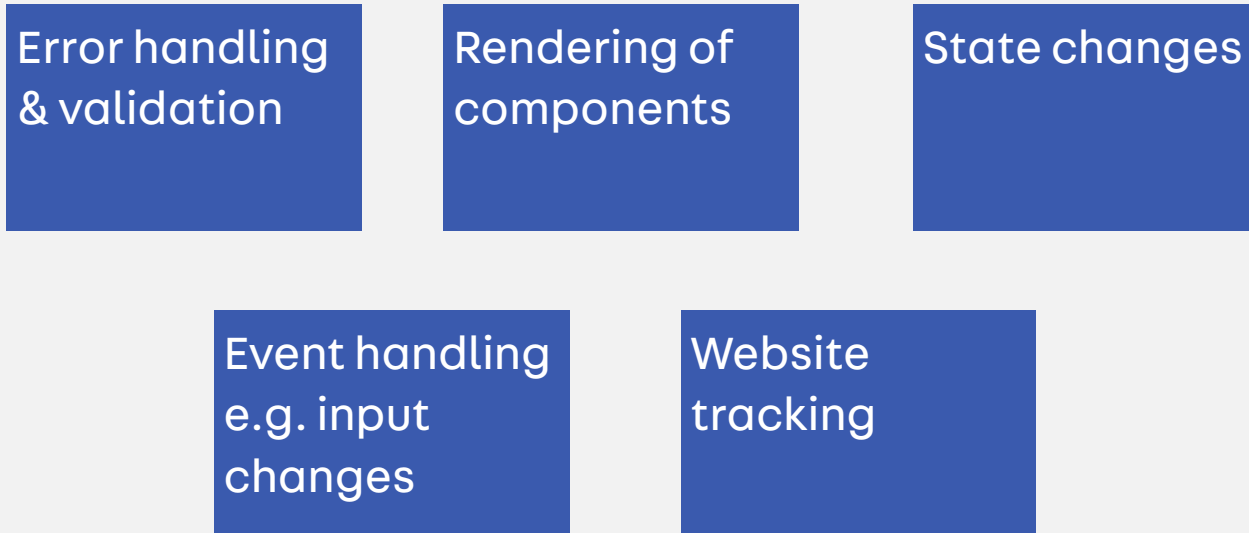
2

The Testing  
Pyramid In  
Practice

3

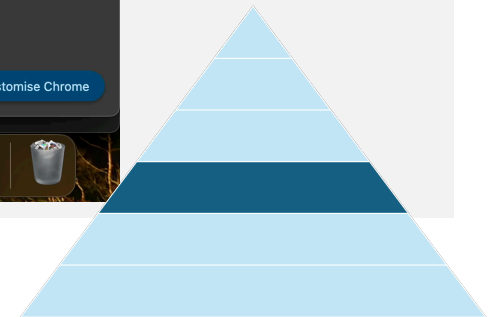
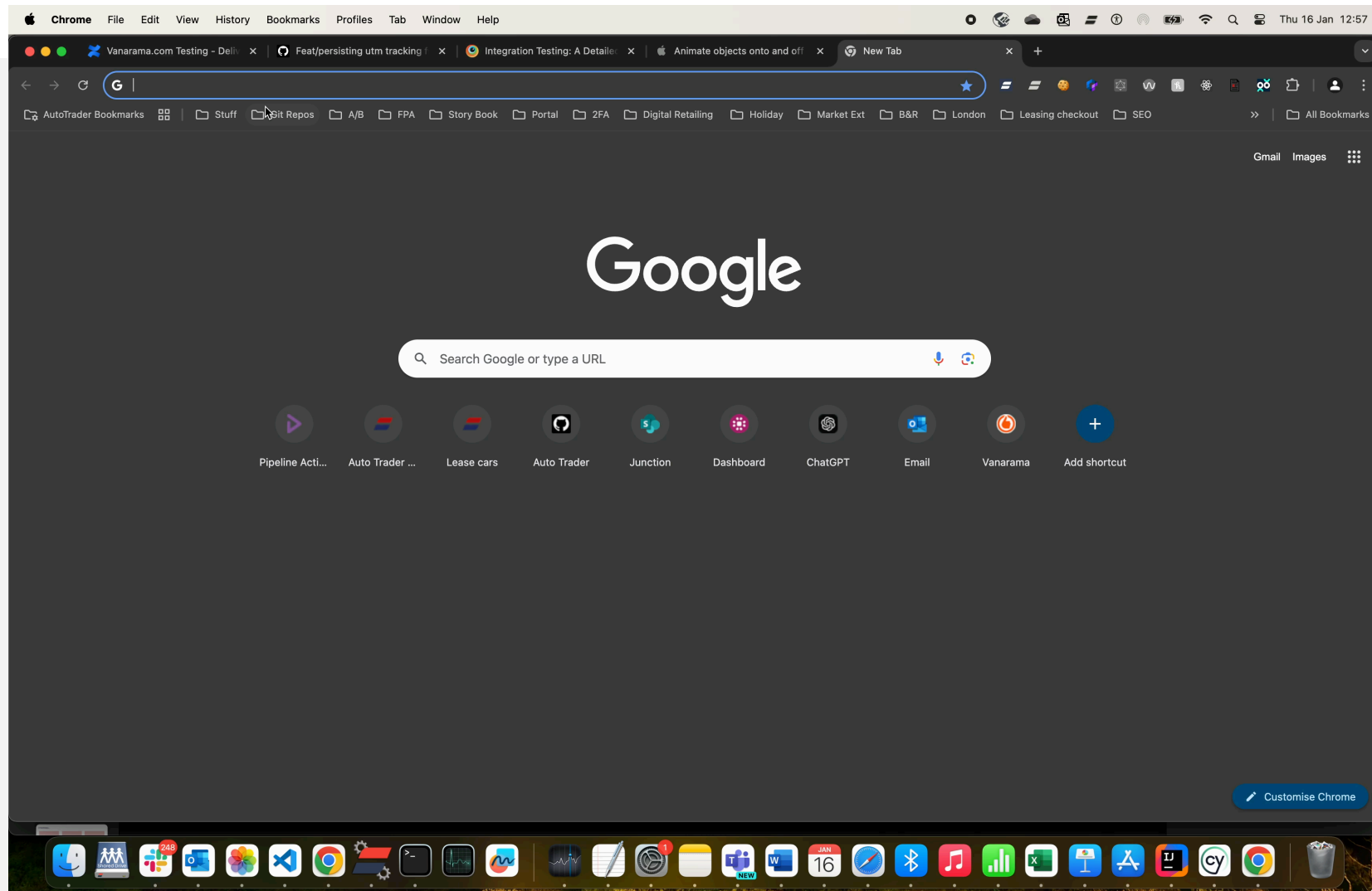
Ways of  
Working

# Unit & Component Tests





# Integration Tests

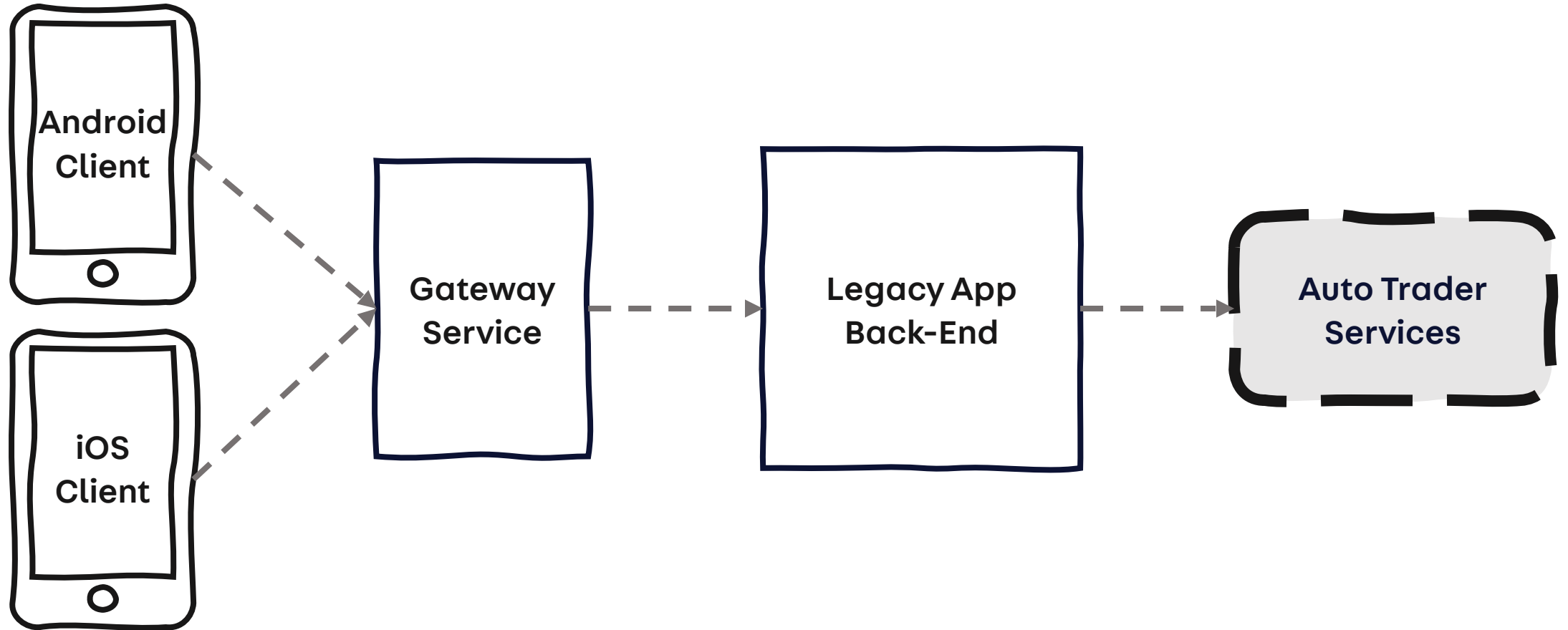


# Agenda

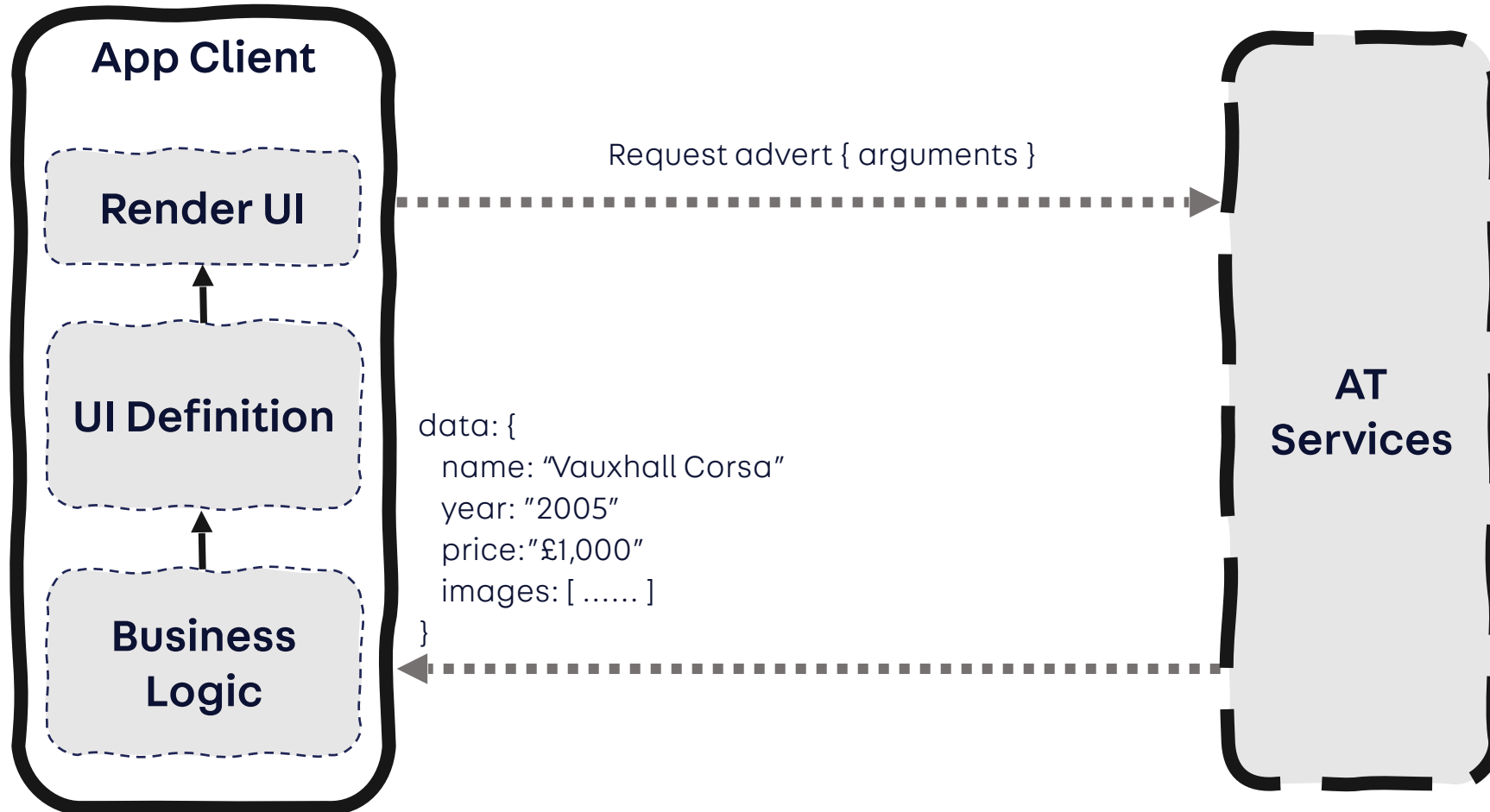
???

Composable Interlude

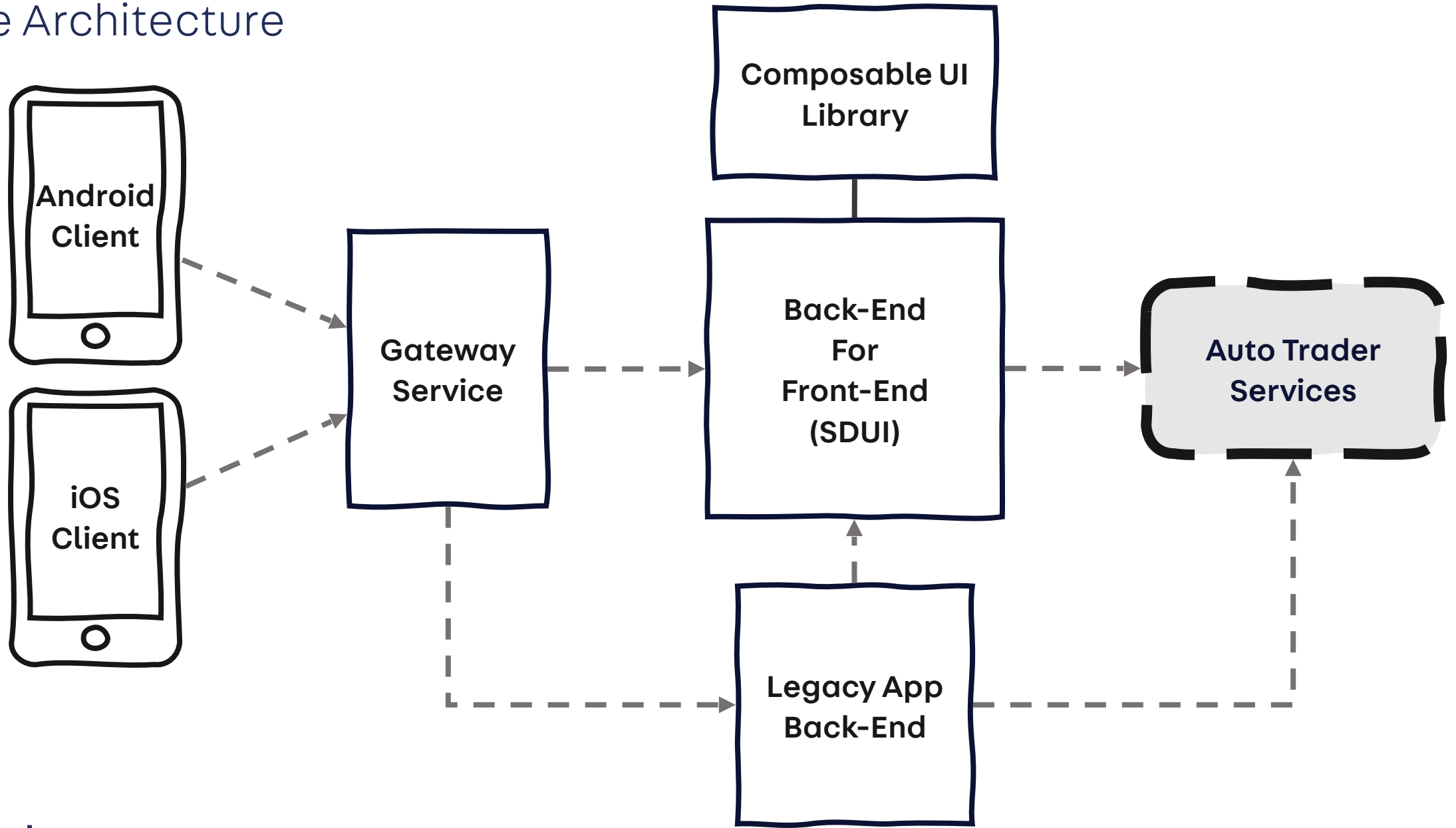
# Service Architecture



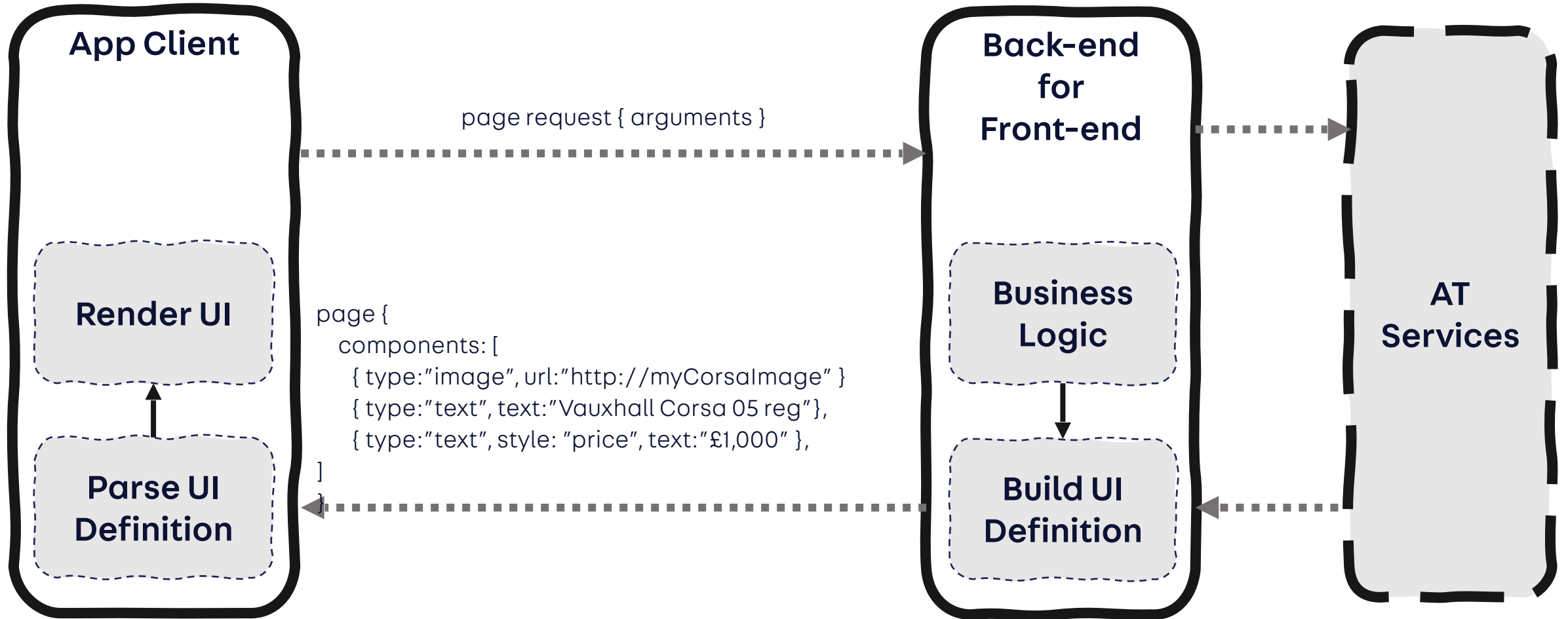
# Client-Based UI



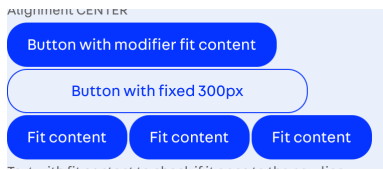
# Service Architecture



# Server-Driven UI



- Example enable  
Help text example 2
- Example disable
- Example enable  
Help text example 2
- Example disable



✕ Additional Information

- ✓ Any components can go here
- ✓ Additional information 1
- ✓ Additional information 2

+ Additional Information without card

+ Contact Information

+ Terms and Conditions



Tab 2 content

**⚠** Copy that goes in to the Alert banner. This body can be made from any components including **bold text**.



Checkbox One



Checkbox Two with error text  
**This is checkbox error text**



Checkbox Three with help text  
This is some help text

String item   **Bold item**   String mixed with bold text

Link item   Size 14 item   **Size 16 item**   Size 12 item

**This is a badge that's gonna render as extra thick**

**This is another badge and this badge is gonna render as even more e**

Selected option  
Longer text option number 2 >

Pre-populated option  
Example option 1 >

Placeholder text  
Some placeholder text >

Dropdown with help text  
Example option 1 >

Some help text  
Dropdown with error text  
Some placeholder text >

**Please select a value**

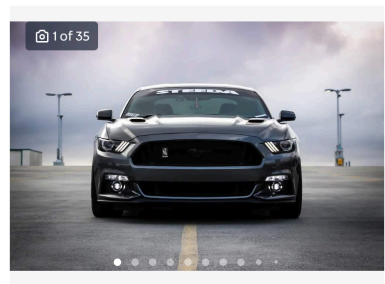
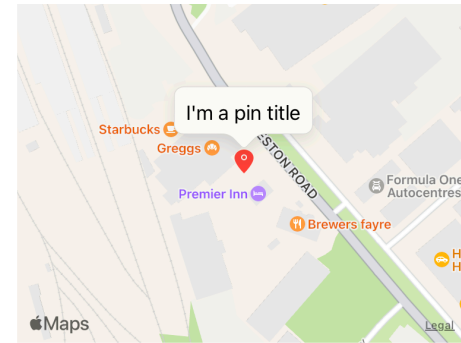
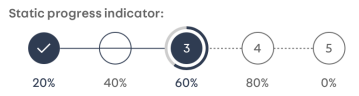
Disabled dropdown  
Some placeholder text >



Complete substep



Complete substep



Half a star with default Icon blue color



1.7 rating with a different Icon



2 rating with different icon

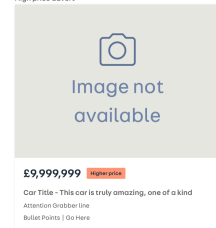


4.5 rating and a total rating of 10 with default star icon



First name example

Email address example



Checkpoints

Used to track user progress through a Journey

- ✓ This is a list container.  
Prow scuttle parrel provost Sail ho shrouds spirits boom mizzenmast yardarm. Pinnacle holystone mizzenmast quarter crow's nest nipperkin grog yardarm hempen halter furl. Swab barque interloper charterly doubleloon starboard grog black jack gangway rutters.  
✓ You can survive three minutes without breathable air  
✓ You can survive three hours in a harsh environment  
✓ You can survive three days without drinkable water  
✓ You can survive three weeks without food

Another list container, this time with buttons.



This is a horizontal container

Another list container!

Deadlights jack lad schooner scallywag dance the hempen jig carouser broadside cable strike colors. Bring a spring upon her cable holystone blow the man down spanker Shiver me timbers to go on account lookout wherry doubleloon chase. Belay yo-ho-ho keelhaul squiffy black spot yardarm spyglass sheet transom heave to.

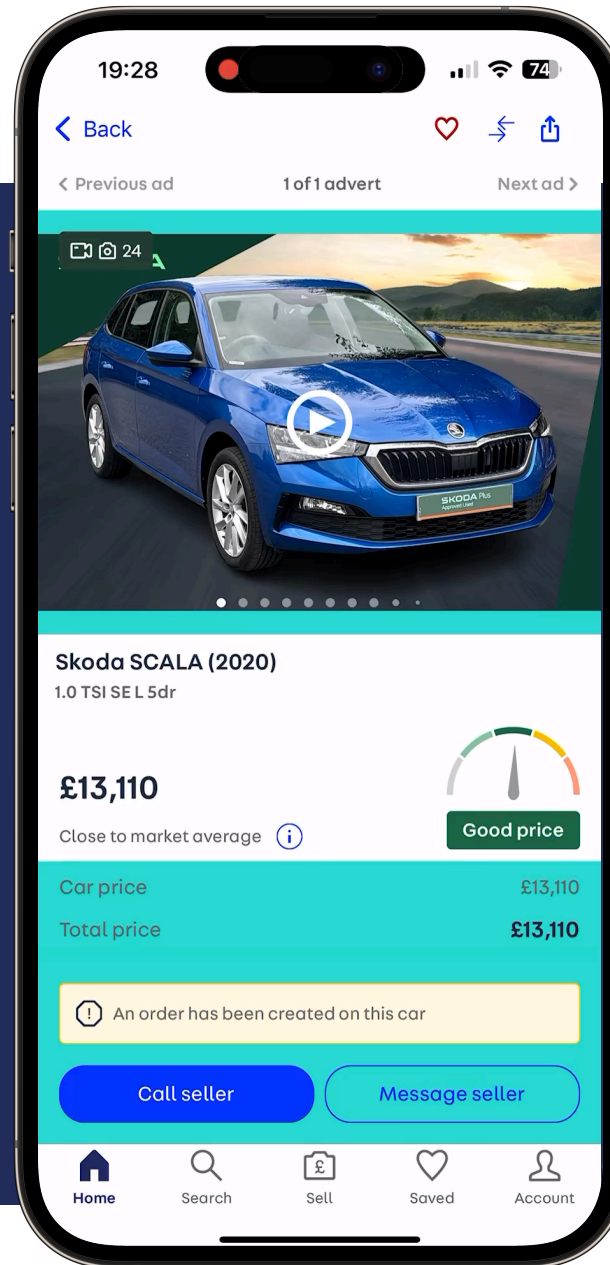
The Last section!

It's been fun but this is it.

- ✓ Bullet 1
- ✓ Bullet 2
- ✓ Bullet 3
- ✓ Bullet 4



# Composable UI



# Devoxx Talk



# Agenda



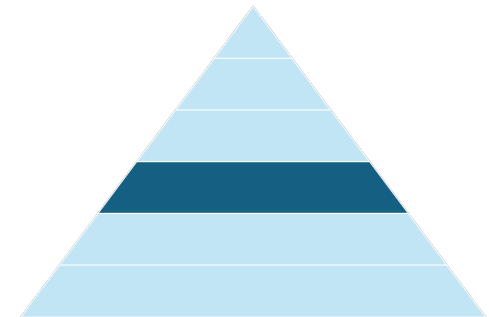
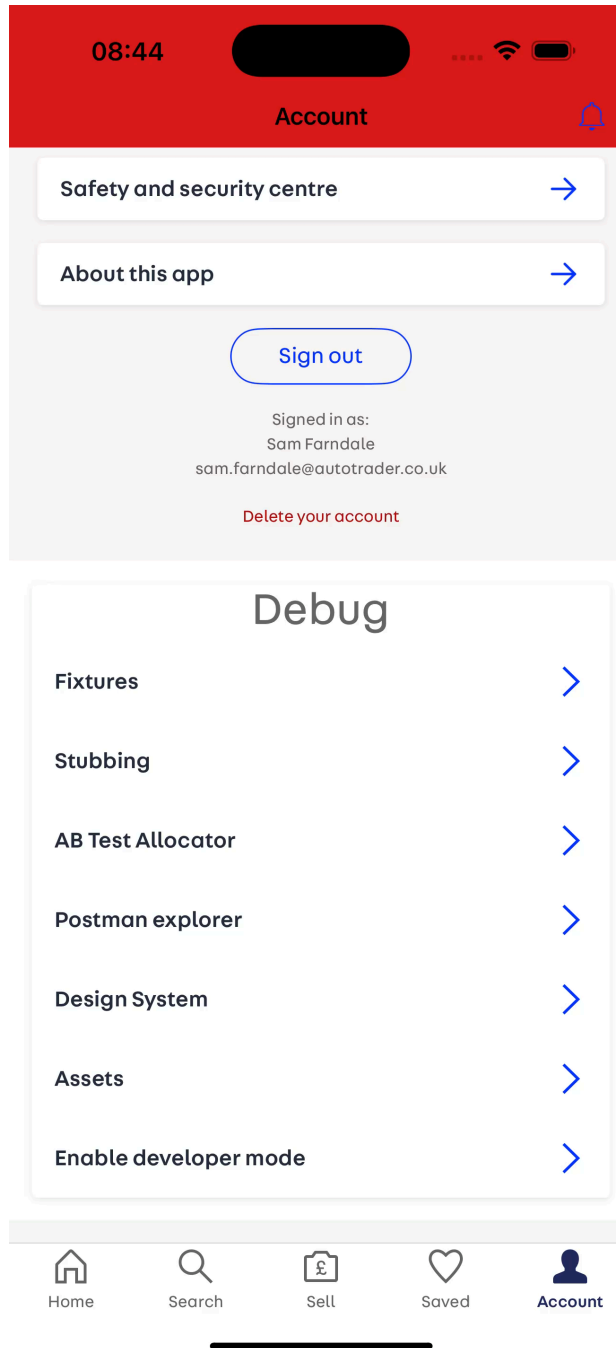
1

2

The Testing  
Pyramid In  
Practice

3

# Integration Tests (again)



# UI Testing

Chrome is being controlled by automated test software.

Search specs

Specs

- ✓ 5
- ✗
- ↺
- ↻

https://www-preprod.autotrader.co.uk/cars/leasing/checkout/business/review

Chrome 131 375x667

**YOUR INCOME**

**Your personal and household income** [Edit](#)

Job title	Acoustic Technician
Annual income (before tax)	£54,333
Future income likely to change	No
Annual household income (before tax)	£123,456

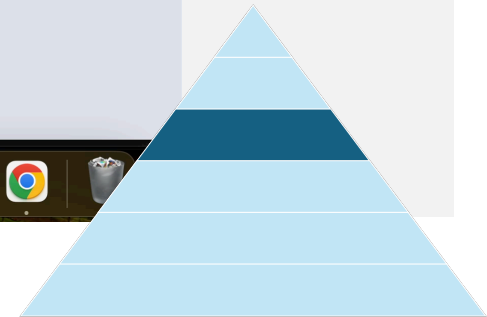
**Your personal monthly spending** [Edit](#)

Mortgage or rent	£999
Student loan	No
Existing vehicle finance	No

By continuing, you are confirming that the details you have provided are accurate and that you are making the application for yourself and not on behalf of anyone else. [Why can't I apply for someone else?](#)

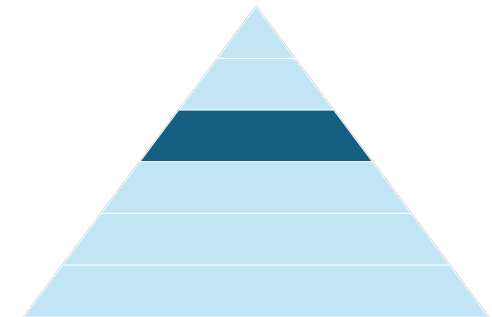
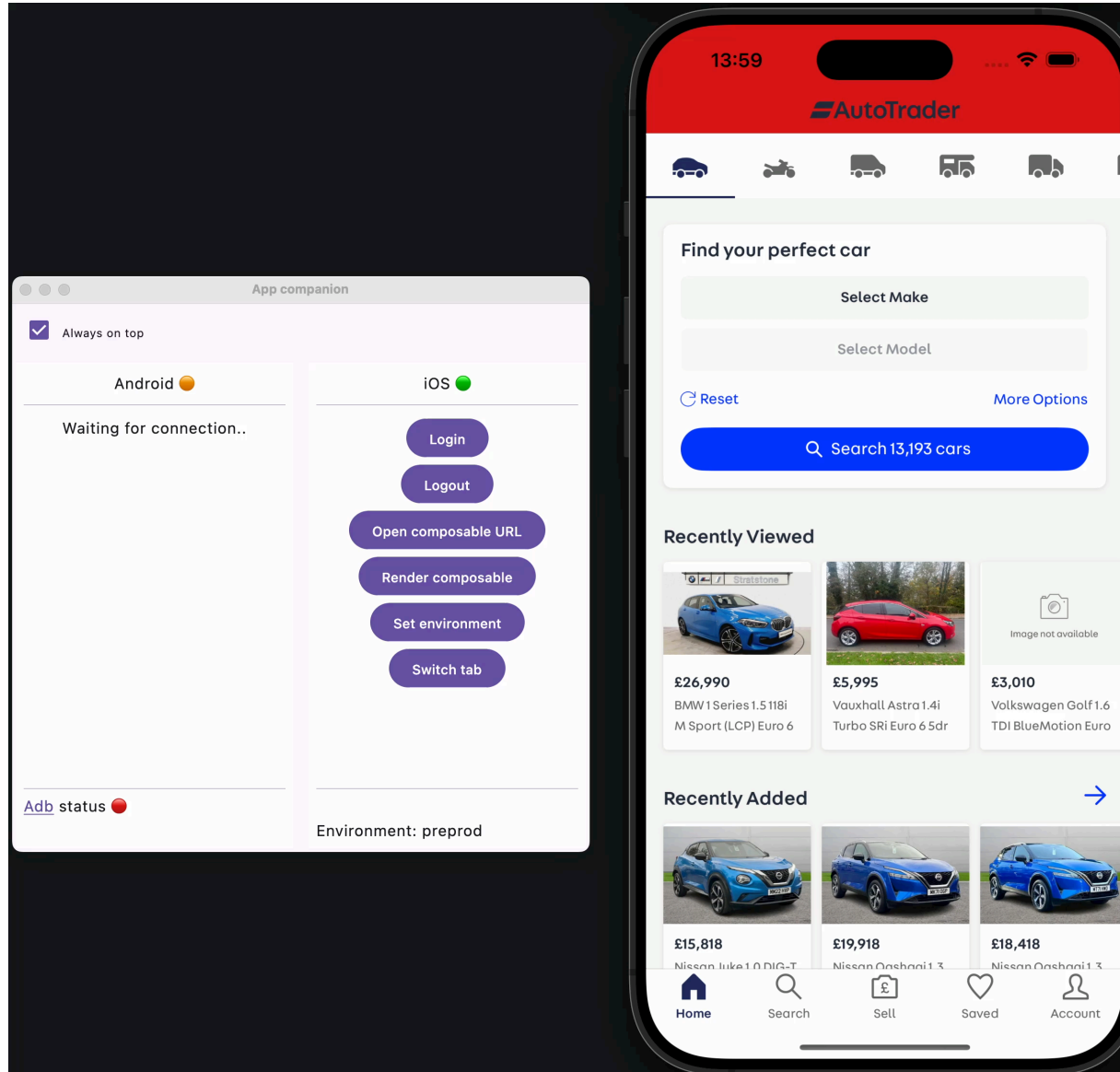
[Continue](#)

[Back to top](#)





# UI Testing



# Synthetic Monitoring

Auto Trader Prod / leasing-full-checkout Changelog Support Docs GC

## leasing-full-checkout

Deployed Jan 09 via PD Edit Schedule now

🇩🇪 🇬🇧 • [serviceTier:2](#) [vanarama](#) +2

✅ Check is passing

< > Last 24 hours All locations

Availability: 100% 0% P50: 41.1s -1.2% P95: 53.03s -16.7% Failure Alerts: 0 0 Test Sessions: 0 0% [Get Started](#) Span Errors: 0 0%

### Monitoring results

Check Retries Percentage: 0% 0%

● Passed results ● Degraded results ● Failed results

Alerts

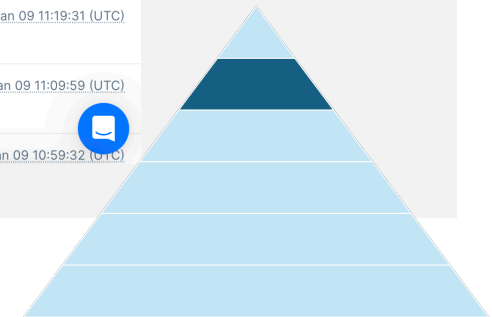
No alerts found for selected filters

### Performance

### Run results

Last 24 hours All locations All statuses

✅ Ireland 🇩🇪	Jan 09 12:49:32 (UTC)	43.2 s
✅ London 🇬🇧	Jan 09 12:39:32 (UTC)	33.94 s
✅ Ireland 🇩🇪	Jan 09 12:29:35 (UTC)	41.74 s
✅ London 🇬🇧	Jan 09 12:19:31 (UTC)	31.15 s
✅ Ireland 🇩🇪	Jan 09 12:09:32 (UTC)	53.65 s
✅ London 🇬🇧	Jan 09 11:59:31 (UTC)	31.03 s
✅ Ireland 🇩🇪	Jan 09 11:49:32 (UTC)	42.64 s
✅ London 🇬🇧	Jan 09 11:39:32 (UTC)	36.42 s
✅ Ireland 🇩🇪	Jan 09 11:29:32 (UTC)	39.4 s
✅ London 🇬🇧	Jan 09 11:19:31 (UTC)	31.15 s
✅ Ireland 🇩🇪	Jan 09 11:09:59 (UTC)	1 min 8 s
✅ London 🇬🇧	Jan 09 10:59:32 (UTC)	



# Testing Scenario

Find your perfect car

ⓘ Enter a valid UK  
postcode

Postcode National ▾

Make ▾ Model ▾

Cash Finance

Min price ▾ Max price ▾

🔍 Search 13,560 cars


[Reset filters](#) [More options](#)

# Testing Scenario

← Back ♥ ↶ ↷

← Previous ad 1 of 3 adverts Next ad →

📷 1 of 29



**Land Rover Defender 90 (2022)**  
3.0 D250 MHEV X-Dynamic SE Auto 4WD Euro 6 (s/s) 3dr

**£51,349**

£2731 above market average ⓘ Fair price

Car price	£51,000
Seller's admin fee ⓘ	£349
<b>Total price</b>	<b>£51,349</b>
Monthly price (PCP)*	£828 →

Call seller Text seller

Home Search Sell Saved Account

Your Enquiry Close

Contact Pentland Land Rover Edinburgh about this Land Rover Defender 90

First name

Last name

Email

Phone number (optional)

Your message (optional)

Hi, I'm interested in this Land Rover Defender 90 for £51,349. Please could you contact me back.

96/255

Enter what you'd like to know. For example, you could ask for more details about the car or more photos.

Send me great offers and the latest reviews.

Send email

By hitting 'Send email' you're happy for us to create an account and pass your details to the seller and their third-party data processors.

Read our [privacy notice](#) to see what we do with your personal information and how we keep it secure.

# Agenda



1

Our Testing  
Journey

2

The Testing  
Pyramid In  
Practice

3

Ways of  
Working

# Ways of Working

Project Kick-offs

Ticket kick-offs

Showcases

Agreed  
Definition of  
Done

Code reviews

Pair  
Programming

# Getting Your Team On Board

Sell the benefit

Get support  
from your tech  
lead

Do regular  
process  
reviews

Pairing with  
devs

Keeping on top  
of Jira boards

Don't give up!

# Strategies for Improved Collaboration



# Future Plans



Contributors 85

Thank you!



Devovx Talk



Careers at AT