
Testing approach

Claudia Chirico

Project - Car finance journey

We assume the team needs to build a Car finance user journey during next sprint.

GoCompare
Money | Car Finance

1

Car details

2

About you

3

Your finances

4

Your results

Tickets

Tickets from Product owner to go through during sprint planning

Info needed for

UI tickets:

- User stories for the end user journey with all possible scenarios - this would possibly be detailed during a three amigos session
- UX Design (screenshots or link to design platform i.e. Figma)

API tickets:

- Responses for different requests sent to the API
- Payloads
- DB tables

Grooming

- Defining size (story points) for the tickets, taking into account development and testing (QA/UAT) efforts.
- Adding BDD style user stories to the tickets and agree on which one should be automated
- Split tickets that may be too large to complete, in order to keep a good delivery flow and to shift left the testing (and reduce risk)

Test plan

- List of different scenarios defined in the 3 amigos, grooming and tech planning sessions
- Tests steps for all the positive/negative scenarios (boundary tests, triggered error pages - i.e. 404)
- Which scenarios will be covered by automation suite (most likely e2e journey)
- Regression testing carried out on existing application paths that might be affected by the code change - guaranteed by automation already in place plus smoke testing
- Deployment plan - path to production dates and possible grayscaling
- Monitoring of the app after environment deployment
- Evaluation of risk and rollback plan

Manual testing

What to test

- Accessibility and usability testing
- Front/back-end validation (email, tel, negative numbers, digits vs characters)
- Date and time format, tooltip, progression, autocomplete
- T&Cs and Privacy policy versions
- API calls (i.e. postcode field) via Network tab on dev tools
- Postman testing of API

Environment

- Test and CAT environments + Prelive and Live after deployment for smoke and regression testing and Go/No Go call with stakeholders/product owner

Browser testing

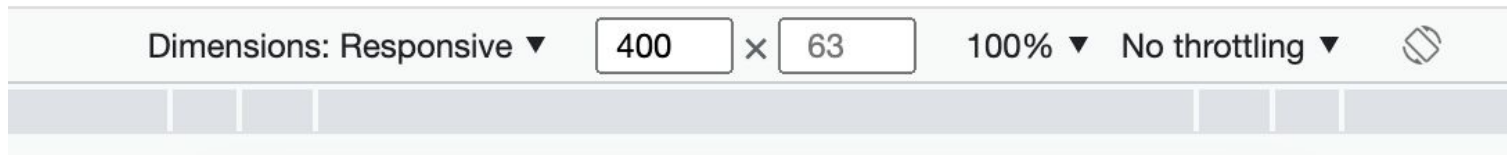
Tools:

Browserstack



Manual:

Different browsers installed on OS or VM + mobile testing and responsive design on dev tools in inspector



Check with Product/Marketing which browsers/versions should be supported

Automation testing

What to test

- e2e and any other tests scenarios agreed with the team

How

- The automation task could be added as a sub ticket of the main dev ticket.
- It will be reviewed by dev/QA team members
- For Cypress, agree as much as possible with FE devs on adding “data-cy” IDs to be used as locators

Environment

- Test and CAT environment
- Not on Prelive and Live envs to avoid polluting DB with testing data

DB testing

What to test

- DB tables (for examples checking data collected during the user journey for prospective clients use or at the end of the journey to check that T&Cs are signed)

How

- SQL queries

Environment

- Test and CAT environment

Sign off

UI testing/tickets

- signed off by UX/product/stakeholders at UAT stage on CAT environment

API testing/tickets

- signed off by product owner/dev/stakeholder at UAT stage on CAT environment

Bug tracking

- If an issue arises during testing, a bug will be usually logged and discussed with the dev and the related ticket will be sent back to development
- This process would be helpful to tracking team velocity and to highlight any blockers in the SDLC, unless the team's ways of working are differently defined.
- Priority of bugs can be quickly assigned together with the dev and delivery/product owner not to slow down the delivery process

Manual test examples

Step	Expected	Actual	PASS/FAIL
Click 'No' on Do you know car registration? question	The default section 'Please enter the registration number' will be hidden'	The section is hidden as expected	Pass
Insert '100001' on the 'How much would you like to spend on the car?' question	No value over '100000' can be inserted. An error message is triggered	Error message 'Please enter an amount between £1000 and £100000' to the nearest pound	Pass