

# Traceability Document

Version 0.2

Client: A software toolbox for small retail shops

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# Introduction

A project such as this can get really messy if we don't have a clear structure tying everything together. This document aims to provide such structure through the use of traceability.

Traceability allows verification that requirement specifications have been:

- Carried forward to the design specifications
- Implemented in the code
- Included in the test plan and cases
- Provided to the customer and user in the resulting system

We achieve this by creating a table that lists every requirement, critical ones being the first in the table, nice-to-haves being the last, and listing the affected module and files. This gives us a nice overview of which requirements have been realized, and/or how far in development they are.

## Traceability Matrix

In the table below, requirements whose label have the prefix *c* are *critical* requirements, prefix *i* are *important* and prefix *u* are *useful*.

Requirement	Module	Files affected	Tests	Passed
c1	Frontend	All frontend files	retaily.site	✓
c2	Backend & Frontend	sales.py SalesChart.jsx	test_sales.py test_product.info.py	✓ ✓
c3	Parser	bootstrap.py database_sender.py parser.py	?	x
c4	Frontend	-	?	x
i1	Frontend	-	retaily.site	✓
i2	Barcode Scanner	BarcodeScanner.jsx scanner.css	?	x
i3	KoppelVerkoop	koppelverkoop.py KoppelVerkoopTable.jsx	test_koppelverkoop.py	✓
i4	Frontend	SalesInfo.jsx	?	x
i5	Frontend	SalesInfo.jsx	?	x
u1	Frontend	ProductInfoTable.jsx	?	x
u2	Backend & Frontend	sales.py SalesChart.jsx	test_sales.py	✓

Note: Tests that state "retaily.site" aren't necessarily tests, however, using the website that is accessed via visiting 'retaily.site' would pass that specific requirement.

## Change log

Who	When	Which section	What	Time
Abel & Florian	16.04.20	Whole document	Wrote version 0.1	2h
Abel	25.05.20	Traceability Matrix	Updated requirements to the up-to-date ones	30min
Abel	31.05.20	Traceability Matrix	Added existing test files to appropriate requirements	30min
Abel	31.05.20	Traceability Matrix	Added affected files to appropriate requirements	30min