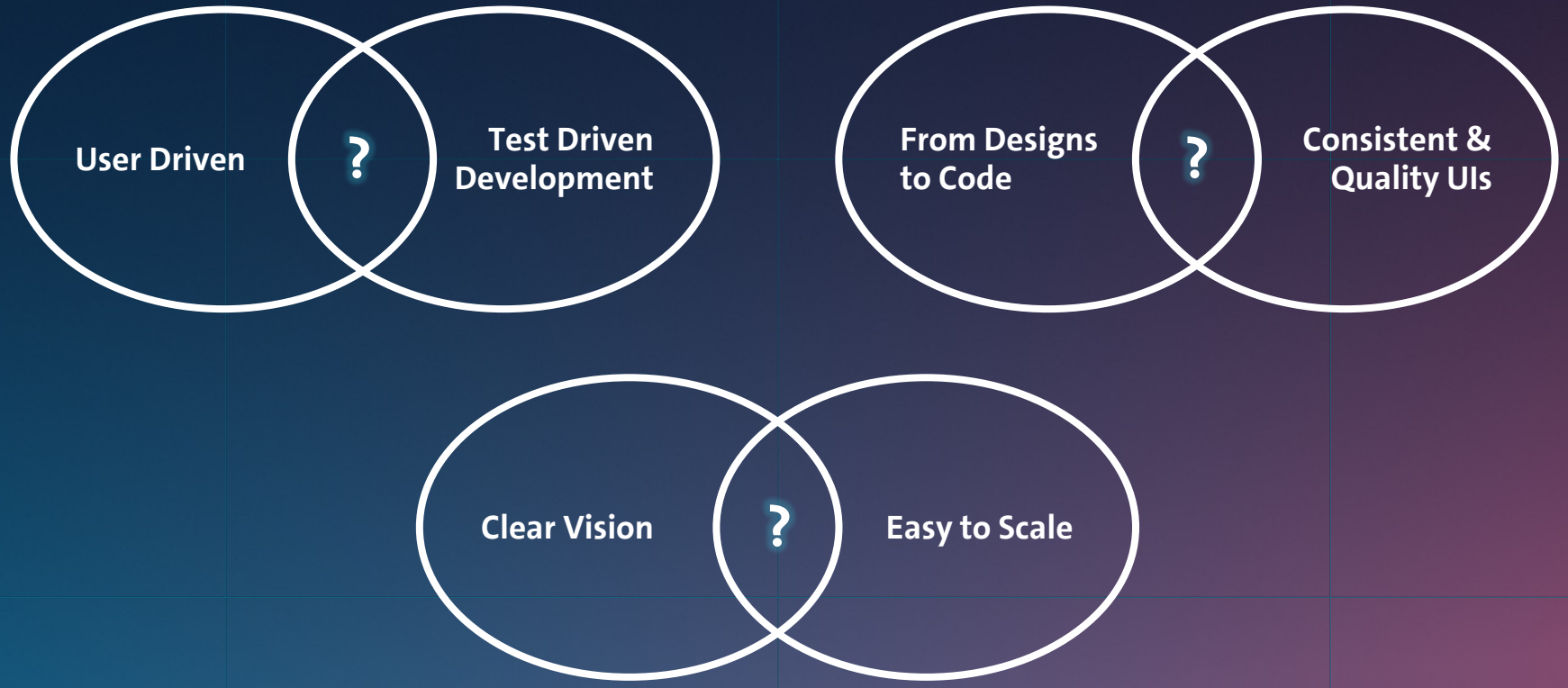
Rita Castro

Building the Right Product and Building It Right

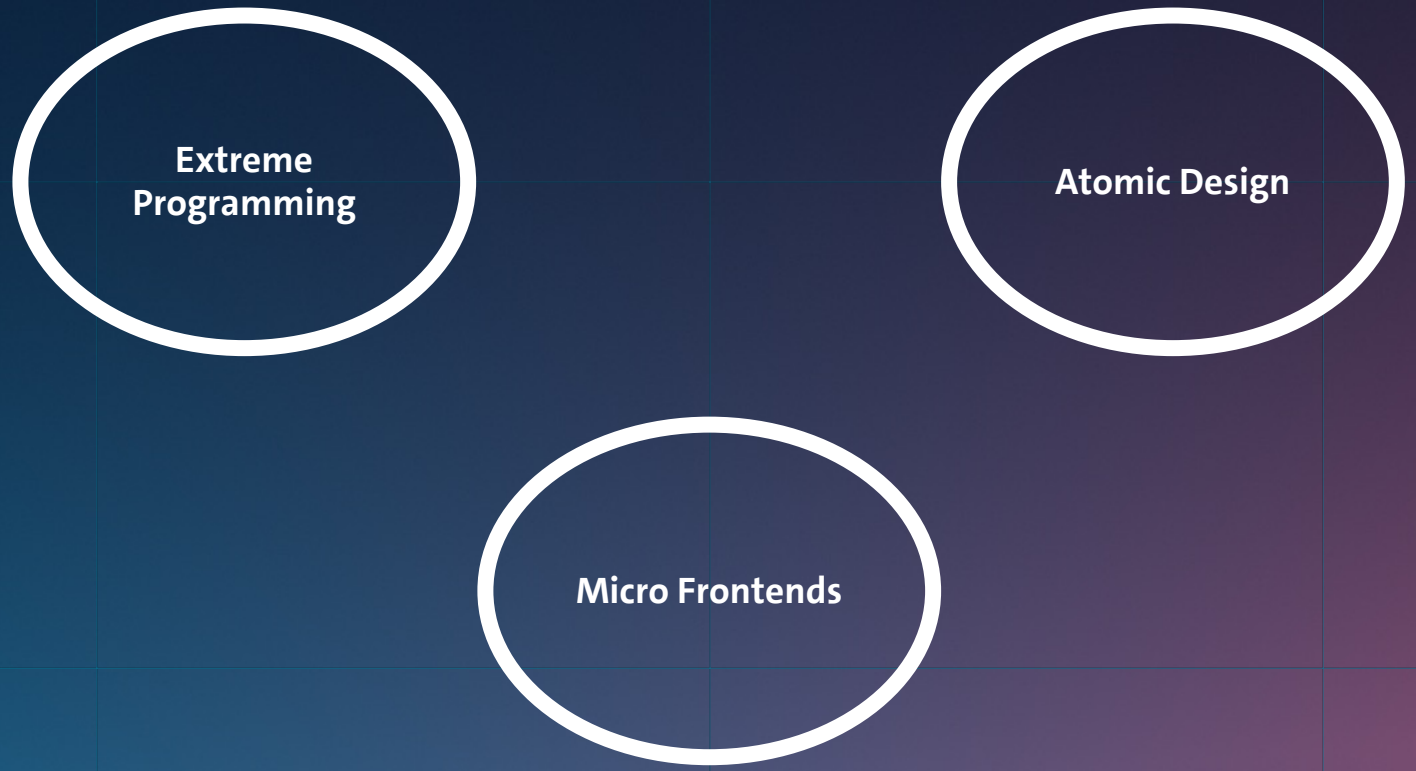
A glimpse into XP, Atomic Design and Micro Frontends

Hello ~~World~~ We Are Developers!

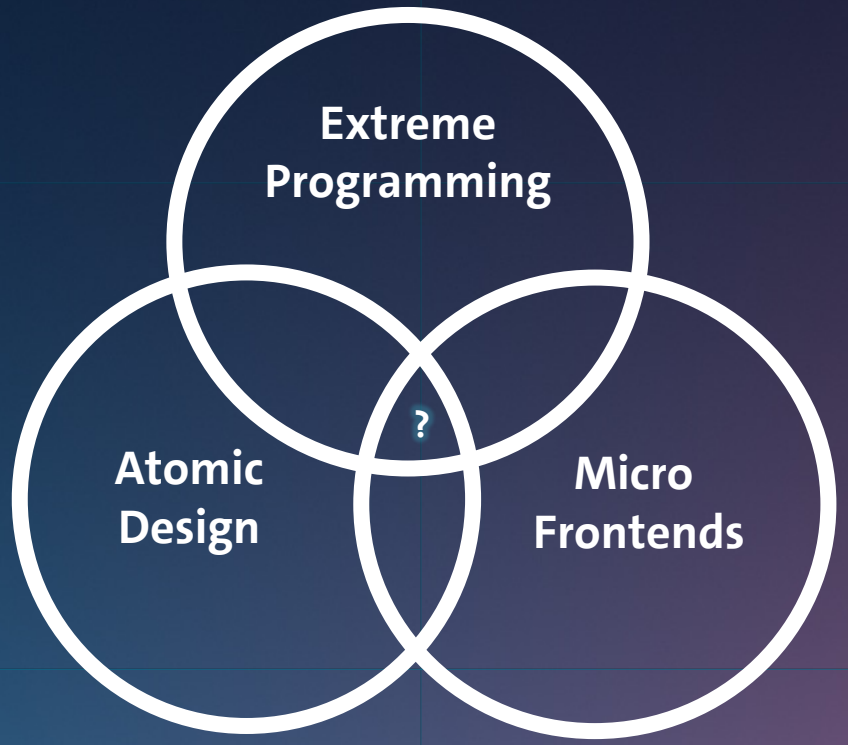
Building the Right Product and Building It Right



Building the Right Product and Building It Right



Building the Right Product and Building It Right

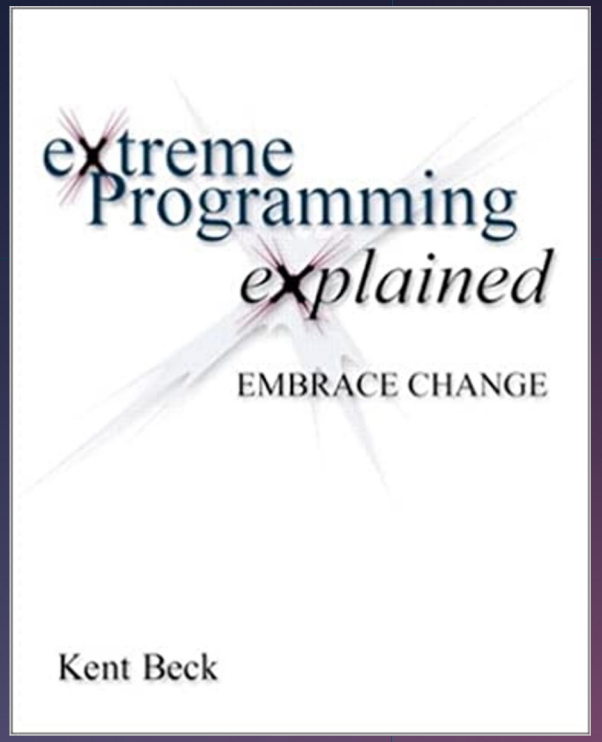


SOFTWARE DEVELOPMENT CENTER : LISBON

Balanced Teams

Extreme Programming

XP is an agile software development framework that aims to produce higher quality software, and increase the quality of life for the development team.



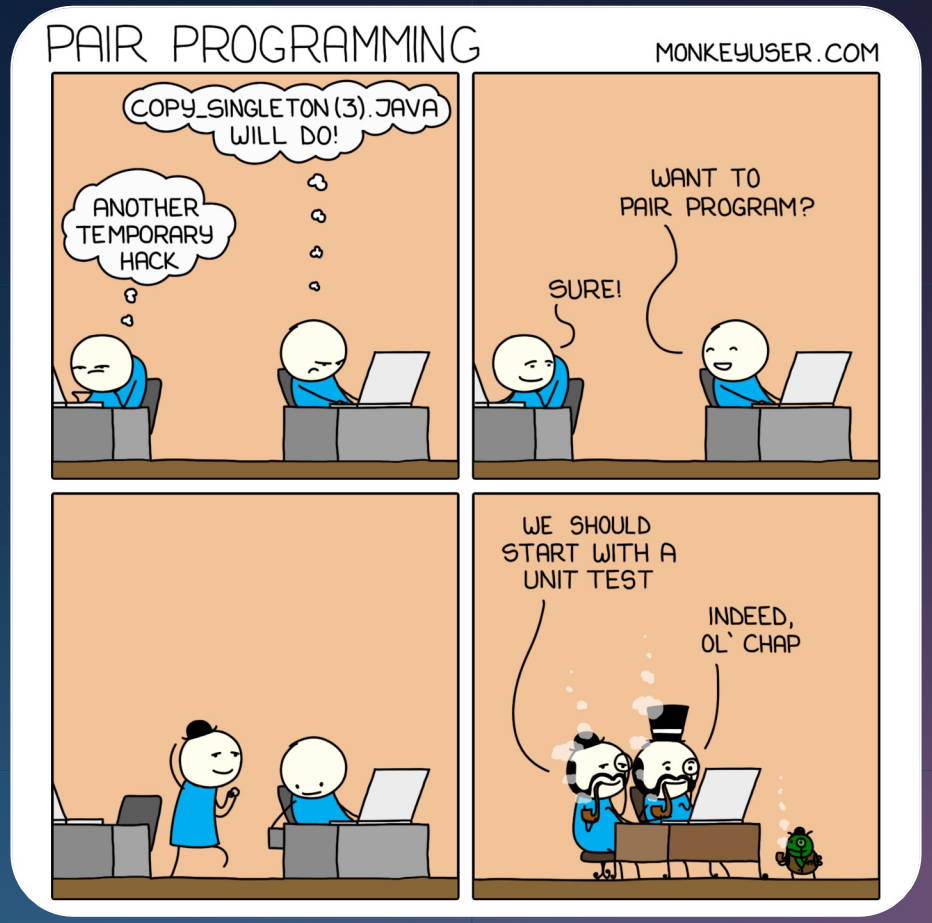
XP Values

Communication Simplicity Feedback Courage Respect

VWAG Group Essentials

XP Practices

Pair Programming



XP Practices

Test Driven Development

Red

Write a failing test.

Green

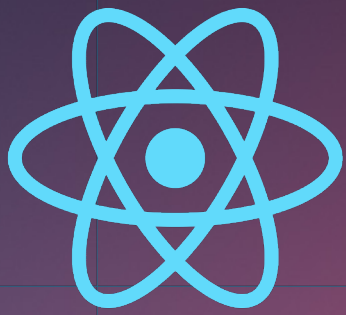
Make the test pass. Be as lean as possible.

Refactor

Improve your tests and code.

Pre-Delivery Enrolment

Drives adoption for multiple digital products in VW's Group



Job interview conversation vector created by pch.vector - www.freepik.com

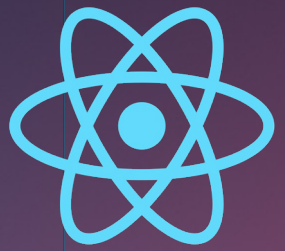
Car dealer & People vector created vectors created by pch.vector - www.freepik.com

Complete vector created by pch.vector - www.freepik.com *[Adapted]*

Car Tracker

car tracker

Enable the dealer to create stronger relationships with customers by removing the annoyances of finding information about their orders



- Clear mission
- Narrow scope
- Autonomous full stack teams
- Independent deployments
- Customer focus
- Scaling gets easier

Teamwork people vector vector created by pch.vector - www.freepik.com *[Adapted]*

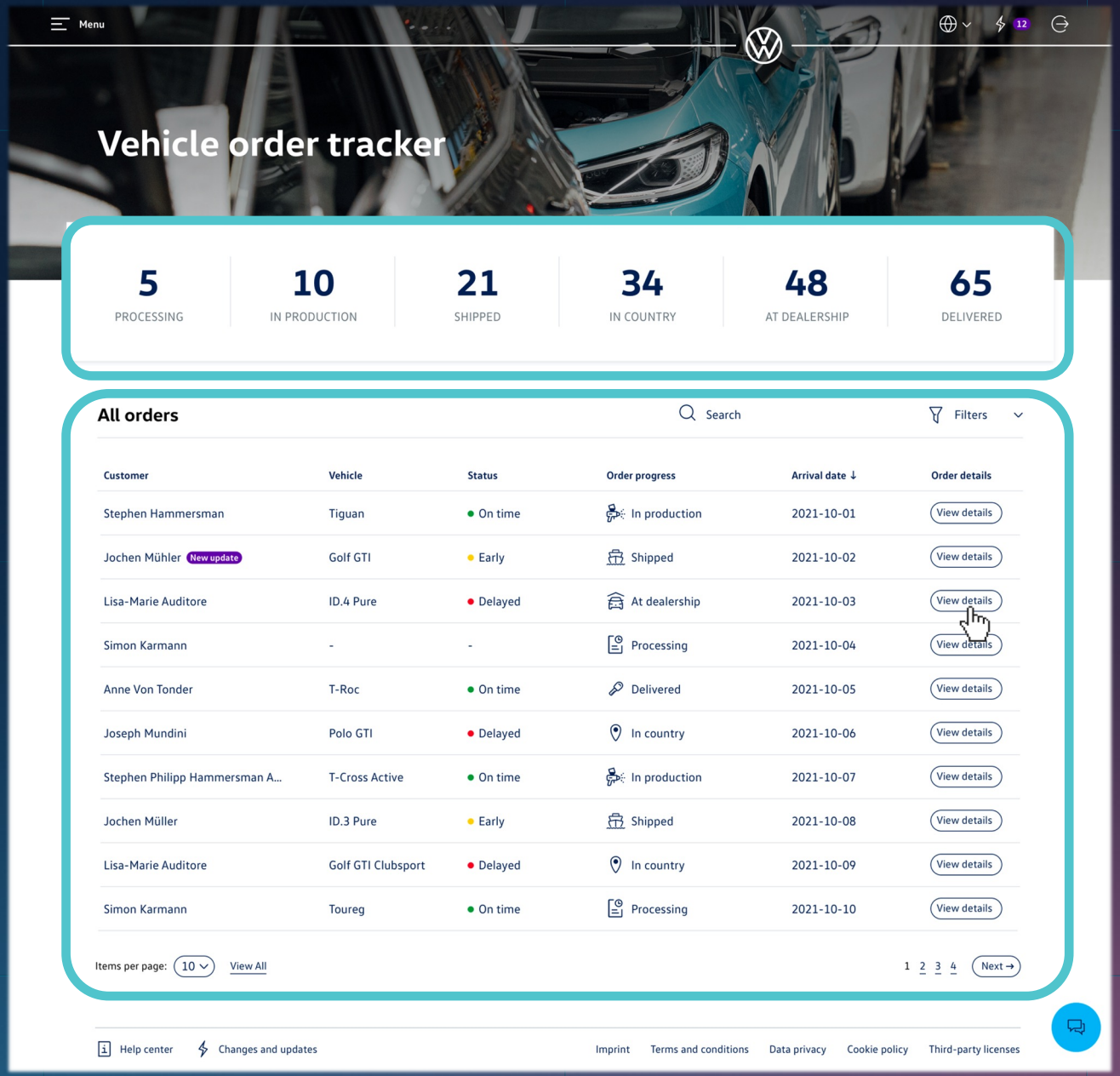
Micro Frontends

“An architectural style where independently deliverable frontend applications are composed into a greater whole." [1]

“... not a concrete technology. They’re an alternative organizational and architectural approach." [2]

[1] Cam Jackson, https://martinfowler.com/articles/micro-frontends.html

[2] Michael Geers, *Micro Frontends in Action*, Manning Publications, Nov 2020


Menu
12
Vehicle order tracker
5
PROCESSING
10
IN PRODUCTION
21
SHIPPED
34
IN COUNTRY
48
AT DEALERSHIP
65
DELIVERED
All orders
Search
Filters
Customer
Vehicle
Status
Order progress
Arrival date ↓
Order details
Stephen Hammersman
Tiguan
On time
In production
2021-10-01
View details
Jochen Mühler
New update
Golf GTI
Early
Shipped
2021-10-02
View details
Lisa-Marie Auditore
ID.4 Pure
Delayed
At dealership
2021-10-03
View details
Simon Karmann
-
-
Processing
2021-10-04
View details
Anne Von Tonder
T-Roc
On time
Delivered
2021-10-05
View details
Joseph Mundini
Polo GTI
Delayed
In country
2021-10-06
View details
Stephen Philipp Hammersman A...
T-Cross Active
On time
In production
2021-10-07
View details
Jochen Müller
ID.3 Pure
Early
Shipped
2021-10-08
View details
Lisa-Marie Auditore
Golf GTI Clubsport
Delayed
In country
2021-10-09
View details
Simon Karmann
Toureg
On time
Processing
2021-10-10
View details
Items per page: 10
View All
1 2 3 4
Next →
Help center
Changes and updates
Imprint
Terms and conditions
Data privacy
Cookie policy
Third-party licenses

Menu

12

← Back

Golf GTI for **Jochen Mühler**

Share

Order details

Data fetched from commission number

Status	Early
Note	You cannot make changes to this order
Customer	Jochen Mühler
Model	Golf GTI 2.0 l TSI 180 kW (245 hp) 7-speed dual-clutch transmission DSG
Colour	Deep Black Pearlescent (2T) Exterior Deep Black Pearlescent (2T) Roof Titanium Black (T0) Interior
Enrollment status	Volkswagen ID
Commission number (CN)	182 NVCNXX 2020
Vehicle identification number (VIN)	1 HG BO 41 JX MN 50 90 98

Order progress

Data might have a delay of up to 24 hours

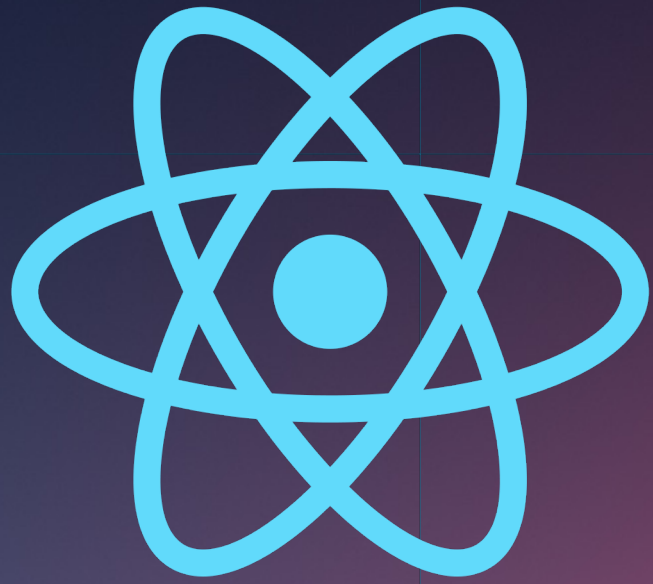
- **Processing**
  Order date 2021-10-21
- **In production**
  Completed on 2021-10-21
- **Shipped**
  Started on 2021-10-21
- **In country**
- **At dealership**
  Estimated for 2021-10-21
- **Delivered**

A note about the Frontend tech-stack...

“making it painless to create interactive UIs”

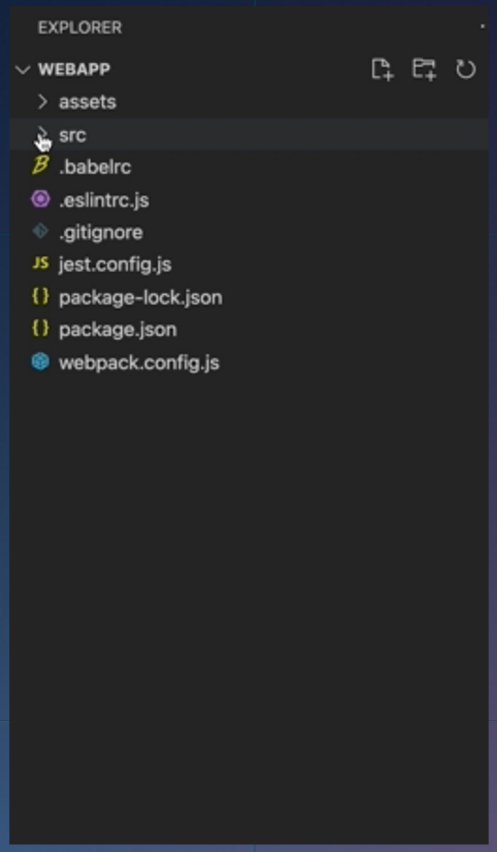
“encapsulated components … then compose them to make complex UIs”

Design 6 is provided in React 🥳

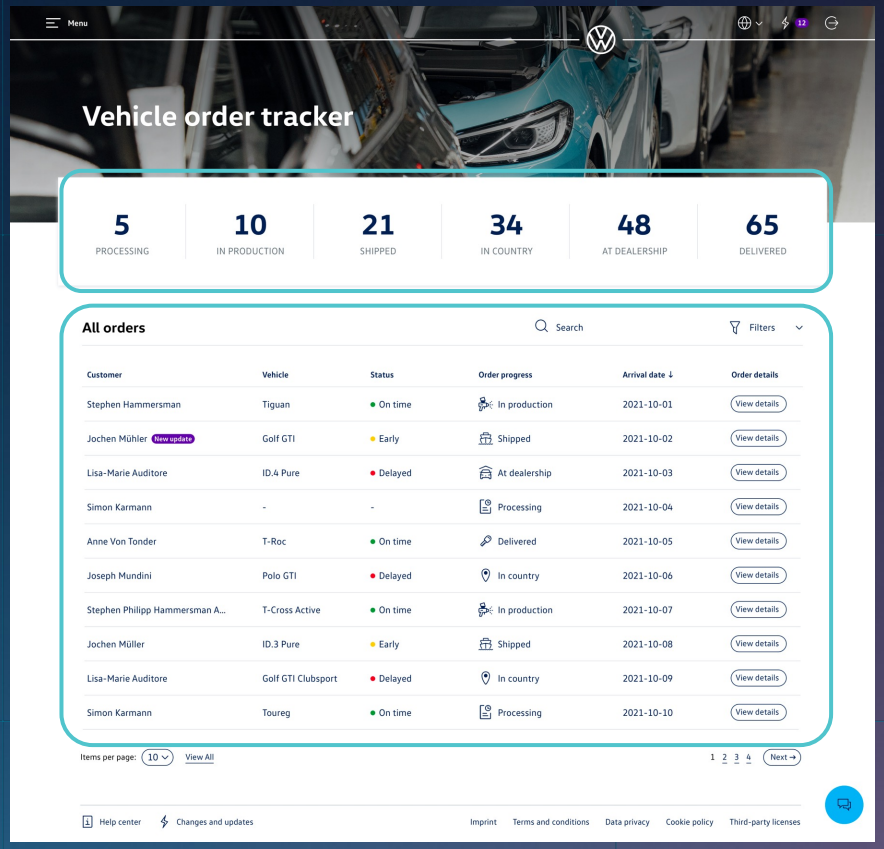


When you just want to tidy up a bit...

Feature driven development



Dashboard



Bad food vector created by pch.vector - www.freepik.com
[Adapted]

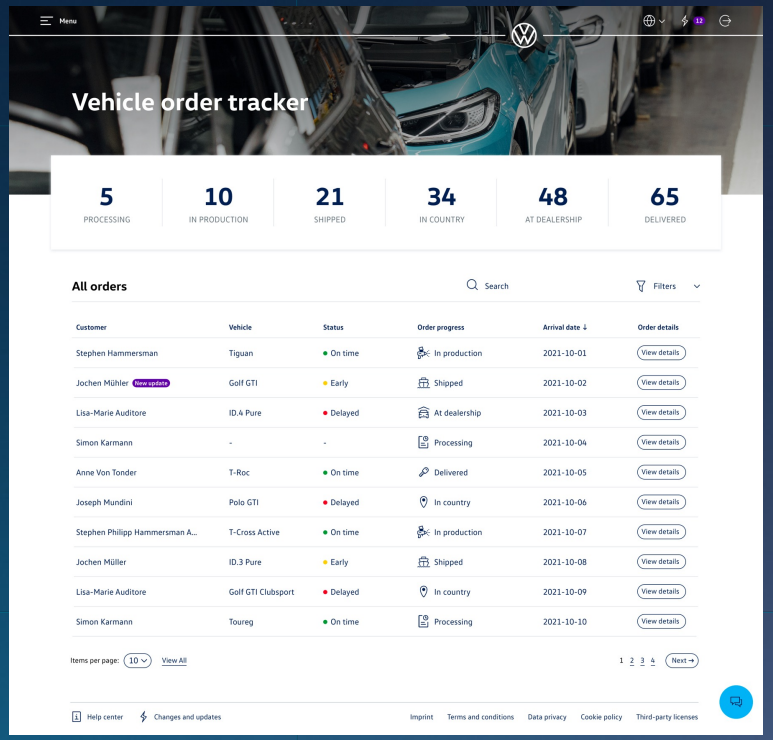
Atomic Design

It “details all that goes into creating and maintaining robust design systems, allowing you to roll out higher quality, more consistent UIs faster than ever before".

Atoms Molecules Organisms Templates Pages

[Brad Frost, https://bradfrost.com/blog/post/atomic-web-design/]

From Designs to Atomic components



- **Unbreakable components**
- **Base styles from the Design System**

View details

15/04/2021

ID.3 Style

Machine vector created by pch.vector - www.freepik.com

```
import React from "react"
import { render, screen } from "@testing-library/react"
import ViewDetailsButton from "./view-details-button"
import { Link } from "react-router-dom"

jest.mock("react-router-dom", () => ({
    ...jest.requireActual("react-router-dom"),
    Link: jest.fn().mockImplementation(({ children }) => children)
}))

describe("ViewDetails button", () => {
    it("shows the 'See Details' that will takes us somewhere", () => {

        render(<ViewDetailsButton to="/take-me-to-wad" />)

        expect(screen.getByText("View details")).toBeInTheDocument()

        expect(Link).toHaveBeenCalledWith(expect.objectContaining(
            { to: "/take-me-to-wad" }
        ), {})
    })
})
```

src > ui > atoms > view-details-button > view-details-button.jsx > default

```jsx
1  const ViewDetailsButton = () => null
2
3  export default ViewDetailsButton
4
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
FAIL src/ui/atoms/view-details-button/view-details-button-mock-react-router-dom.test.jsx
  ViewDetails button
    × shows the 'See Details' that will takes us somewhere (26 ms)

  ● ViewDetails button › shows the 'See Details' that will takes us somewhere

    TestingLibraryElementError: Unable to find an element with the text: View details. This could be because the text is broken up by multiple elements. In this case, you can provide a function for your text matcher to make your matcher more flexible.

    <body>
      <div />
    </body>

      14 |         render(<ViewDetailsButton to="/take-me-to-wad" />)
      15 |
    > 16 |         expect(screen.getByText("View details")).toBeInTheDocument()
         |                        ^
      17 |
      18 |         expect(Link).toHaveBeenCalledWith(expect.objectContaining(
      19 |             { to: "/take-me-to-wad" }

      at Object.getElementError (node_modules/@testing-library/dom/dist/config.js:37:19)
      at node_modules/@testing-library/dom/dist/query-helpers.js:90:38
      at node_modules/@testing-library/dom/dist/query-helpers.js:62:17
      at getByText (node_modules/@testing-library/dom/dist/query-helpers.js:111:19)
      at Object.<anonymous> (src/ui/atoms/view-details-button/view-details-button-mock-react-router-dom.test.jsx:16:23)

Test Suites: 1 failed, 1 total
Tests:       1 failed, 1 total
Snapshots:   0 total
Time:        5.137 s
Ran all test suites matching /src\/ui\/atoms\/view-details-button\/view-details-button-mock-react-router-dom\.test\.jsx/i.

Watch Usage: Press w to show more.
```

src > ui > atoms > view-details-button > view-details-button.jsx > ...

```jsx
import React from "react"

const ViewDetailsButton = () => <p>View details</p>

export default ViewDetailsButton

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
FAIL src/ui/atoms/view-details-button/view-details-button-mock-react-router-dom.test.jsx
  ViewDetails button
    × shows the 'See Details' that will takes us somewhere (30 ms)

  ● ViewDetails button › shows the 'See Details' that will takes us somewhere

    expect(jest.fn()).toHaveBeenCalledWith(...expected)

    Expected: ObjectContaining {"to": "/take-me-to-wad"}, {}

    Number of calls: 0

      16 |         expect(screen.getByText("View details")).toBeInTheDocument()
      17 |
    > 18 |         expect(Link).toHaveBeenCalledWith(expect.objectContaining(
         |                      ^
      19 |             { to: "/take-me-to-wad" }
      20 |         ), {})
      21 |     })

      at Object.<anonymous> (src/ui/atoms/view-details-button/view-details-button-mock-react-router-dom.test.jsx:18:22)

Test Suites: 1 failed, 1 total
Tests:       1 failed, 1 total
Snapshots:   0 total
Time:        4.153 s
Ran all test suites matching /src\/ui\/atoms\/view-details-button\/view-details-button-mock-react-router-dom\.test\.jsx/i.

Watch Usage: Press w to show more.
```

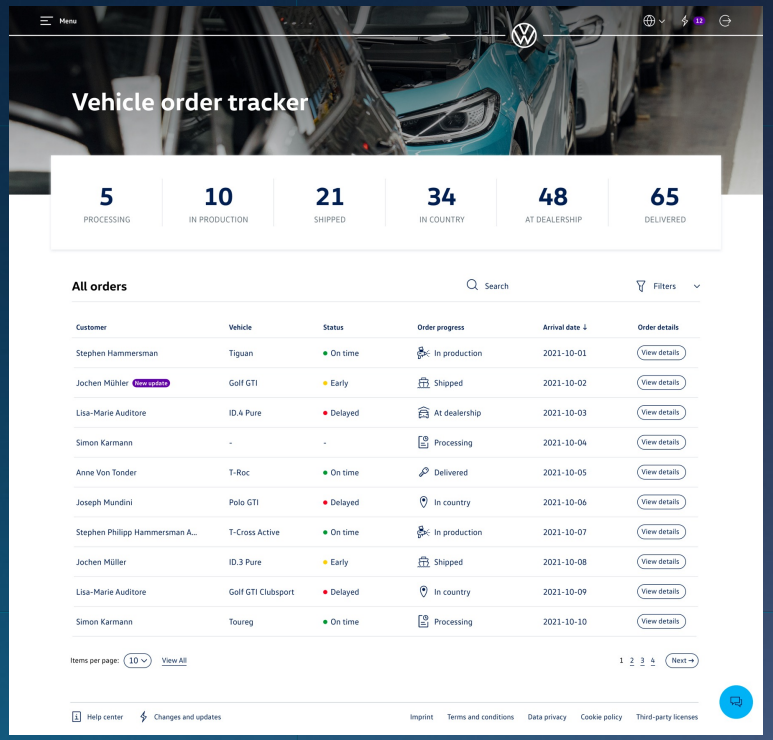
src > ui > atoms > view-details-button > view-details-button.jsx > ViewDetailsButton

```jsx
import React from "react"
import { Link } from "react-router-dom"
import "./view-details-button.scss"

const ViewDetailsButton = ({ to }) => {

    return <div className="view-details-button">
        <Link to={to}>
            View details
        </Link>
    </div>
}

export default ViewDetailsButton

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PASS src/ui/atoms/view-details-button/view-details-button-mock-react-router-dom.test.jsx
  ViewDetails button
    √ shows the 'See Details' that will takes us somewhere (29 ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        3.347 s
Ran all test suites matching /src\/ui\/atoms\/view-details-button\/view-details-button-mock-react-router-dom\.test\.jsx/i.

Watch Usage: Press w to show more.
```

From Designs to Atomic components



- Atoms bonded together
- Bring functionality to the UI

Search

In transit

src > ui > molecules > progress > progress.test.jsx > ...

```jsx
import React from "react"
import { render, screen } from "@testing-library/react"
import Progress from "./progress"
import { InTransitIcon } from "../../atoms/icons/progress-icons"

jest.mock("../../atoms/icons/progress-icons", () => {
    return {
        __esModule: true,
        default: jest.fn().mockReturnValue(null)
    }
})

describe("Progress molecule", () => {
    it("renders the visual elements when status is 'In transit'", () => {
        render(<Progress />)

        expect(screen.getByText("In transit")).toBeInTheDocument()

        expect(InTransitIcon).toHaveBeenCalled()
    })
})
```


```jsx
render(<Progress />)

expect(screen.getByText("In transit")).toBeInTheDocument()

expect(InTransitIcon).toHaveBeenCalled()
```


PROBLEMS 21 OUTPUT DEBUG CONSOLE TERMINAL

```
FAIL src/ui/molecules/progress/progress.test.jsx
  Progress molecule
    × renders the visual elements when status is 'In transit' (26 ms)

  ● Progress molecule › renders the visual elements when status is 'In transit'

    TestingLibraryElementError: Unable to find an element with the text: In transit. This could be because the text is broken up by multiple ele
ments. In this case, you can provide a function for your text matcher to make your matcher more flexible.

    <body>
      <div />
    </body>

      16 |         render(<Progress />)
      17 |
    > 18 |         expect(screen.getByText("In transit")).toBeInTheDocument()
         |                ^
      19 |
      20 |         expect(InTransitIcon).toHaveBeenCalled()
      21 |     })
```

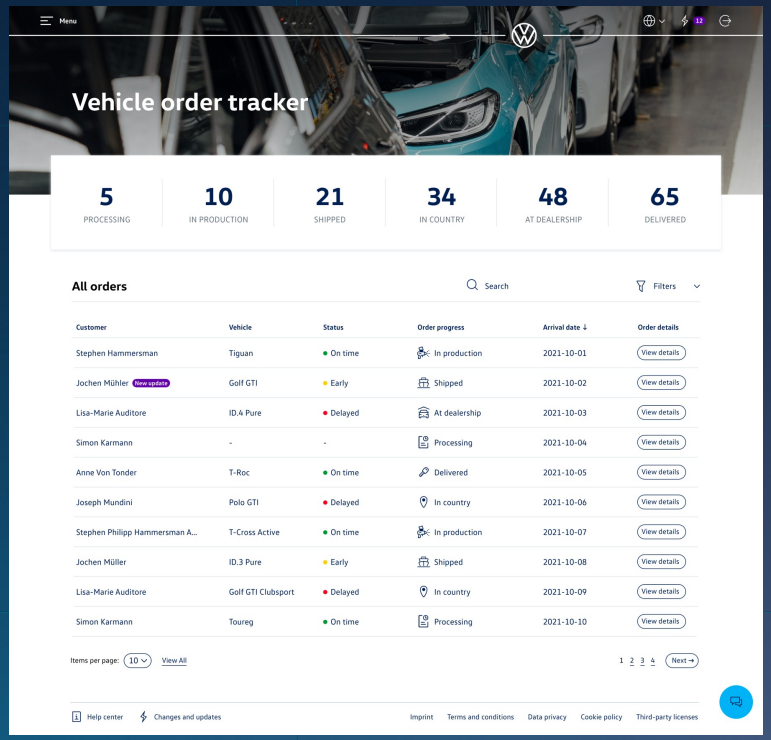
src > ui > molecules > progress > progress.jsx > ...

```jsx
import React from "react"
import InTransitIcon from "../../atoms/icons/in-transit"
import Text from "../../atoms/text/text"

const Progress = () => {

    return (
        <div>
            <InTransitIcon />
            <Text>In transit</Text>
        </div>
    )
}

export default Progress
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL 1: node

```
PASS src/ui/molecules/progress/progress.test.jsx
  Progress molecule
    ✓ renders the visual elements when status is 'In transit' (24 ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        1.402 s
Ran all test suites matching /src\/ui\/molecules\/progress\/progress\.test\.jsx/i.

Watch Usage: Press w to show more.
```

From Designs to Atomic components



- A flock of atoms, molecules and even organisms!
- *User Value*

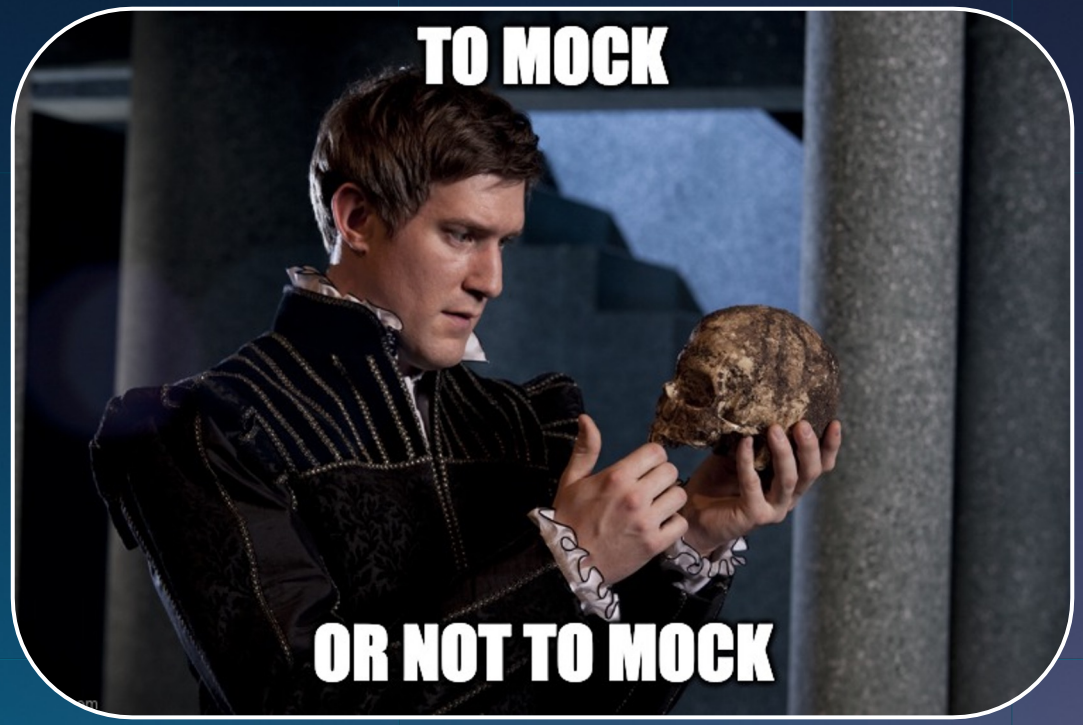
```
1  import React from "react"
2  import { render, screen } from "@testing-library/react"
3  import OrdersList from "./orders-list"
4  import FiltersButton from "../../molecules/filters-button/filters-button"
5  import SearchBar from "../../molecules/search-bar/search-bar"
6  import OrdersTable from "../../molecules/orders-table/orders-table"
7
8  jest.mock("../../molecules/filters-button/filters-button", () => {…
13 })
14
15 jest.mock("../../molecules/search-bar/search-bar", () => {…
20 })
21
22 jest.mock("../../molecules/orders-table/orders-table", () => {…
27 })
28
29 describe('OrdersList organism', () => {
30     it('should have a title, the search bar, the filters button and the table with the orders', (
31
32         render(<OrdersList />)
33
34         expect(screen.getByText("All orders")).toBeInTheDocument()
35
36         expect(SearchBar).toHaveBeenCalled()
37         expect(FiltersButton).toHaveBeenCalled()
38         expect(OrdersTable).toHaveBeenCalled()
39     })
40 })
41
```

```
render(<OrdersList />)

expect(screen.getByText("All orders")).toBeInTheDocument()

expect(SearchBar).toHaveBeenCalled()
expect(FiltersButton).toHaveBeenCalled()
expect(OrdersTable).toHaveBeenCalled()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node

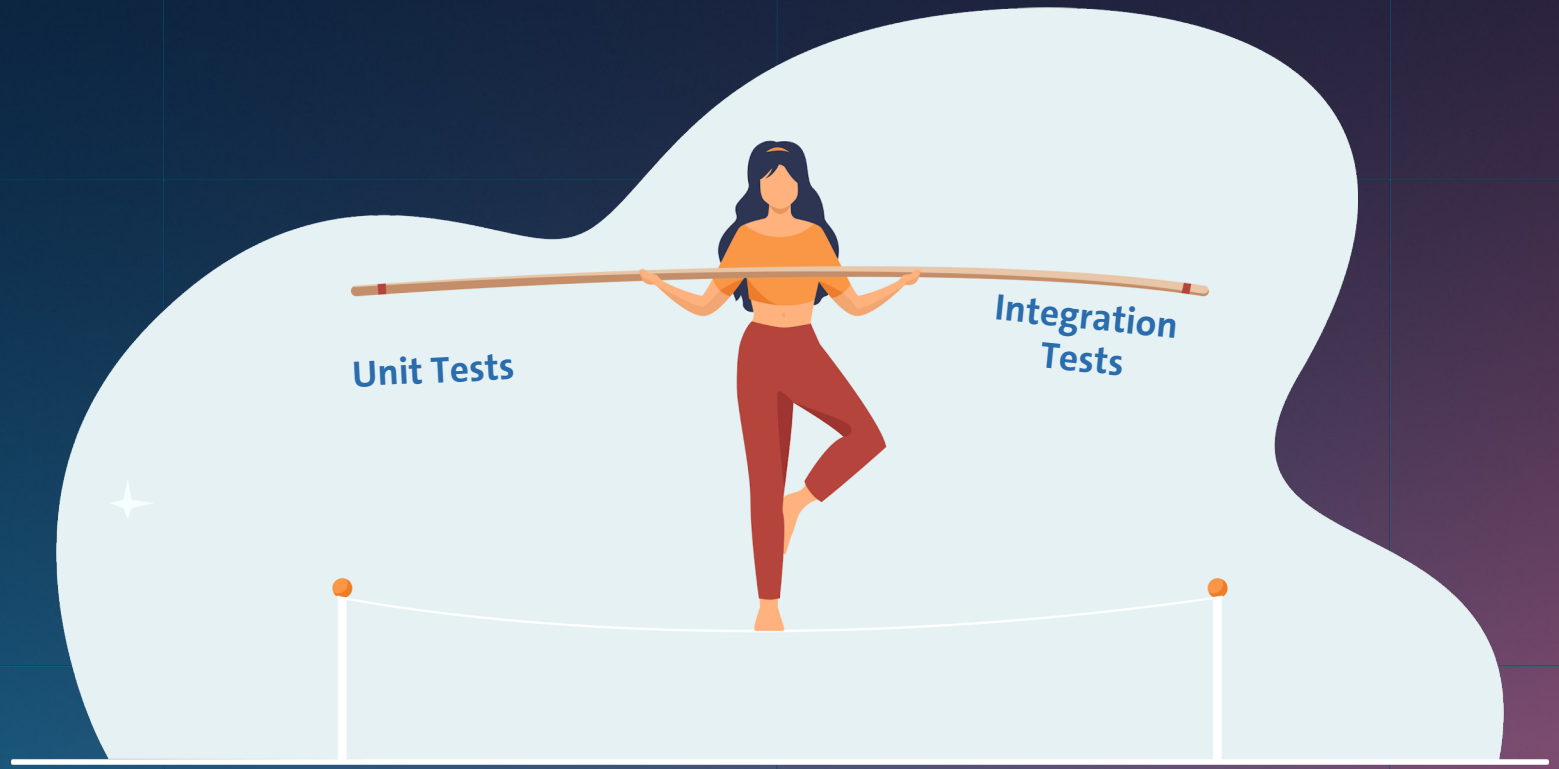
```
OrdersList organism
  × should have a title, the search bar, the filters button and the table with the orders (6 ms)

● OrdersList organism › should have a title, the search bar, the filters button and the table with the orders

  TestingLibraryElementError: Unable to find an element with the text: All orders. This could be because the text is broken up by multiple elements. In this case, you can provide a function for your text matcher to make your matcher more flexible.

  <body>
    <div />
  </body>

    32 |         render(<OrdersList />)
    33 |
  > 34 |         expect(screen.getByText("All orders")).toBeInTheDocument()
       |                       ^
    35 |
    36 |         expect(SearchBar).toHaveBeenCalled()
    37 |         expect(FiltersButton).toHaveBeenCalled()
```

Let’s get technical on Mocking



- 👍 Encapsulation
  - No need to know details
- 👎 Further away from User experience

Find your balance



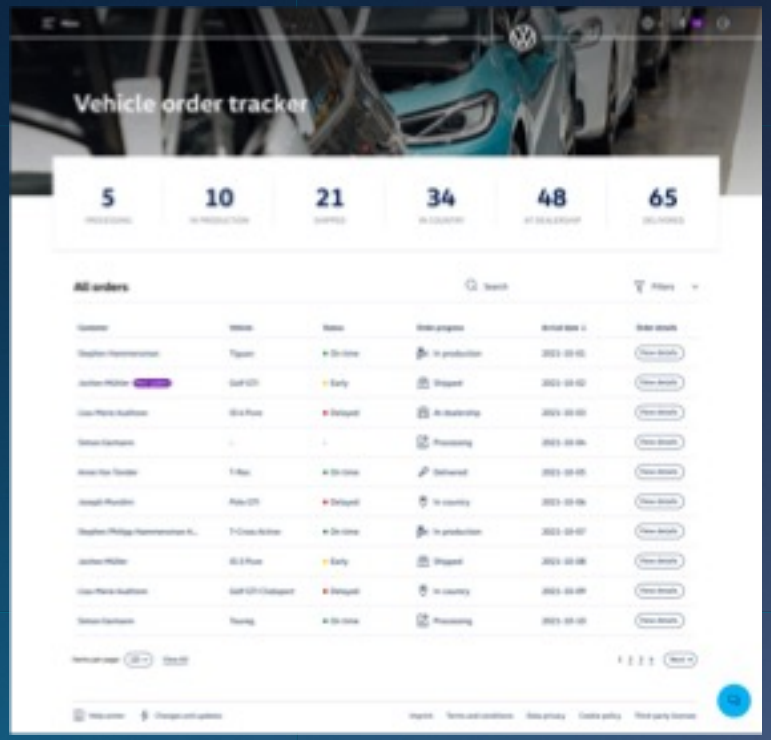
Tightrope vector created by pch.vector - www.freepik.com

The more your tests resemble the way your software is used, the more confidence they can give you.

[Kent C. Dodds, hhttps://twitter.com/kentcdodds/status/977018512689455106?lang=en]

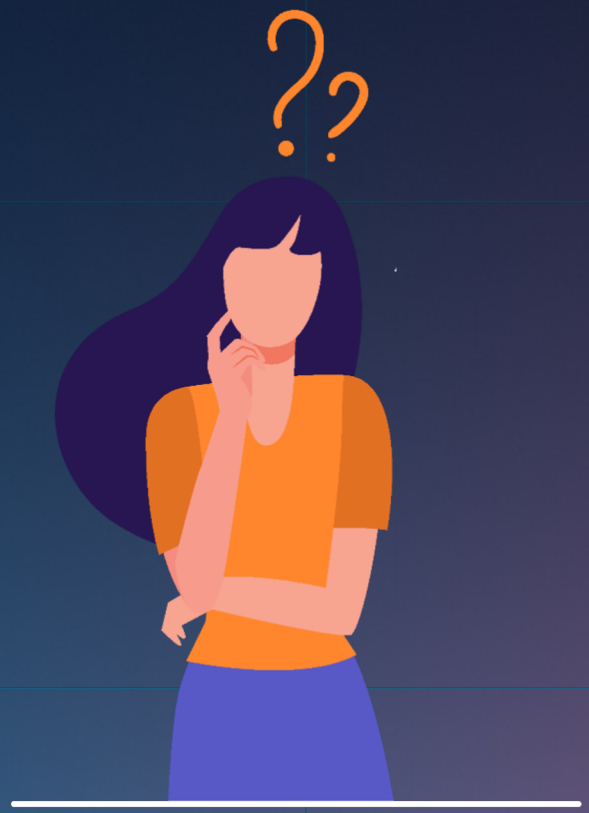
```
import React from "react"
import { MemoryRouter, Route, Switch } from "react-router"
import { render, screen } from "@testing-library/react"
import userEvent from "@testing-library/user-event"
import OrdersList from "./orders-list"
import { getOrders } from "../../../services/get-orders"

jest.mock("../../../services/get-orders", () => ({
    getOrders: jest.fn()
}))

describe("OrdersList organism", () => {
    it("shows the order list and we can click to 'View Details'", () => {

        getOrders.mockReturnValue([
            {
                id: 1024,
                name: "Rita Castro",
                vehicle: "T-Roc",
                status: "delayed",
                progress: "order received",
                arrivalDate: "2021-07-24",
            }
        ])

        render(
            <MemoryRouter initialEntries={["/"]}>
                <Switch>
                    <Route exact path="/" render={() => <OrdersList />} />
                    <Route path="/orders/:orderId" render={() => <div>Stub Details Page</div>} />
                </Switch>
            </MemoryRouter>
        )

        expect(screen.getByRole("heading", { name: "All orders" })).toBeInTheDocument()

        expect(screen.getByText("Rita Castro")).toBeInTheDocument()
        // same goes for the other elements in the table

        const viewDetailsButton = screen.getByRole("link", { name: "View details" })
        userEvent.click(viewDetailsButton)

        expect(screen.getByText("Stub Details Page")).toBeInTheDocument()
    })
})
```

From Designs to Atomic components



- Define a layout
- Place organisms there

The Dealer's journey



Bad food vector created by pch.vector - www.freepik.com *[Adapted]*

```tsx
import React from "react"
import { render, screen, waitFor, within } from "@testing-library/react"
import userEvent from "@testing-library/user-event"
import VehicleOrderTracker from "./vehicle-order-tracker"

describe("Vehicle order tracker for Remote React Summit 2021", () => {

    it("renders the Dashboard and we can 'View details' of an Order and come 'Back' to the Dashboa

        render(<VehicleOrderTracker />)

        const dashboard = screen.getByRole("region", { name: "Dashboard" })
        expect(dashboard).toBeInTheDocument()

        const overviewTabs = within(dashboard).getByRole("tablist")
        expect(overviewTabs).toBeInTheDocument()

        expect(within(dashboard).getByText("All orders")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Search for an order")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Filter orders")).toBeInTheDocument()

        const scullysOrder = within(dashboard).getByLabelText("Dana Scully's order")
        expect(scullysOrder).toBeInTheDocument()

        const viewDetailsButton = within(scullysOrder).getByRole("link", { name: "View details" })
        userEvent.click(viewDetailsButton)

        expect(screen.queryByRole("region", { name: "Dashboard" })).not.toBeInTheDocument()
        expect(screen.getByRole("region", { name: "Order details" })).toBeInTheDocument()

        const backButton = screen.getByRole("button", { name: "Back" })
        expect(backButton).toBeInTheDocument()

        userEvent.click(backButton)

        await waitFor(() => {
            expect(screen.getByText("All orders")).toBeInTheDocument()
        })
    })
})
```

```tsx
import React from "react"
import OrdersList from "../../organisms/orders-list/orders-list"
import OverviewTabs from "../../organisms/overview-tabs/overview-tabs"

const Dashboard = () => {

    return (
        <div role="region" aria-label="Dashboard">
            <OverviewTabs />

            <OrdersList />
        </div>
    )
}

export default Dashboard
```

```tsx
import React from "react"
import { render, screen, waitFor, within } from "@testing-library/react"
import userEvent from "@testing-library/user-event"
import VehicleOrderTracker from "./vehicle-order-tracker"

describe("Vehicle order tracker for Remote React Summit 2021", () => {

    it("renders the Dashboard and we can 'View details' of an Order and come 'Back' to the Dashboard", async () => {

        render(<VehicleOrderTracker />)

        const dashboard = screen.getByRole("region", { name: "Dashboard" })
        expect(dashboard).toBeInTheDocument()

        const overviewTabs = within(dashboard).getByRole("tablist")
        expect(overviewTabs).toBeInTheDocument()

        expect(within(dashboard).getByText("All orders")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Search for an order")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Filter orders")).toBeInTheDocument()

        const scullysOrder = within(dashboard).getByLabelText("Dana Scully's order")
        expect(scullysOrder).toBeInTheDocument()

        const viewDetailsButton = within(scullysOrder).getByRole("link", { name: "View details" })
        userEvent.click(viewDetailsButton)

        expect(screen.queryByRole("region", { name: "Dashboard" })).not.toBeInTheDocument()
        expect(screen.getByRole("region", { name: "Order details" })).toBeInTheDocument()

        const backButton = screen.getByRole("button", { name: "Back" })
        expect(backButton).toBeInTheDocument()

        userEvent.click(backButton)

        await waitFor(() => {
            expect(screen.getByText("All orders")).toBeInTheDocument()
        })
    })
})
```

```tsx
import React, { useEffect, useState } from "react"
import { getOrders } from "../../../services/get-orders"
import FormattedDateNumbers from "../../atoms/formatted-date/numbers/formatted-date-numbers"
import ViewDetailsButton from "../../atoms/view-details-button/view-details-button"

const OrdersTable = () => {

    const [orders, setOrders] = useState([])

    useEffect(() => setOrders(getOrders), [])

    return (
        <table aria-label="Orders list">
            <thead>
                <tr>
                    <th>Customer</th>
                    <th>Vehicle</th>
                    <th>Status</th>
                    <th>Order progress</th>
                    <th>Arrival date</th>
                    <th>Order details</th>
                </tr>
            </thead>
            <tbody>
                {
                    orders.map(order =>
                        <tr key={order.id} aria-label={`${order.name}'s order`}>
                            <td>{order.name}</td>
                            <td>{order.vehicle}</td>
                            <td>{order.status}</td>
                            <td>{order.progress}</td>
                            <td><FormattedDateNumbers value={order.arrivalDate} /></td>
                            <td><ViewDetailsButton to={`/orders/${order.id}`} /></td>
                        </tr>
                    )
                }
            </tbody>
        </table>
    )
}
```

```tsx
import React from "react"
import { render, screen, waitFor, within } from "@testing-library/react"
import userEvent from "@testing-library/user-event"
import VehicleOrderTracker from "./vehicle-order-tracker"

describe("Vehicle order tracker for Remote React Summit 2021", () => {

    it("renders the Dashboard and we can 'View details' of an Order and come 'Back' to the Dashboard", async () => {

        render(<VehicleOrderTracker />)

        const dashboard = screen.getByRole("region", { name: "Dashboard" })
        expect(dashboard).toBeInTheDocument()

        const overviewTabs = within(dashboard).getByRole("tablist")
        expect(overviewTabs).toBeInTheDocument()

        expect(within(dashboard).getByText("All orders")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Search for an order")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Filter orders")).toBeInTheDocument()

        const scullysOrder = within(dashboard).getByLabelText("Dana Scully's order")
        expect(scullysOrder).toBeInTheDocument()

        const viewDetailsButton = within(scullysOrder).getByRole("link", { name: "View details" })
        userEvent.click(viewDetailsButton)

        expect(screen.queryByRole("region", { name: "Dashboard" })).not.toBeInTheDocument()
        expect(screen.getByRole("region", { name: "Order details" })).toBeInTheDocument()

        const backButton = screen.getByRole("button", { name: "Back" })
        expect(backButton).toBeInTheDocument()

        userEvent.click(backButton)

        await waitFor(() => {
            expect(screen.getByText("All orders")).toBeInTheDocument()
        })
    })
})
```

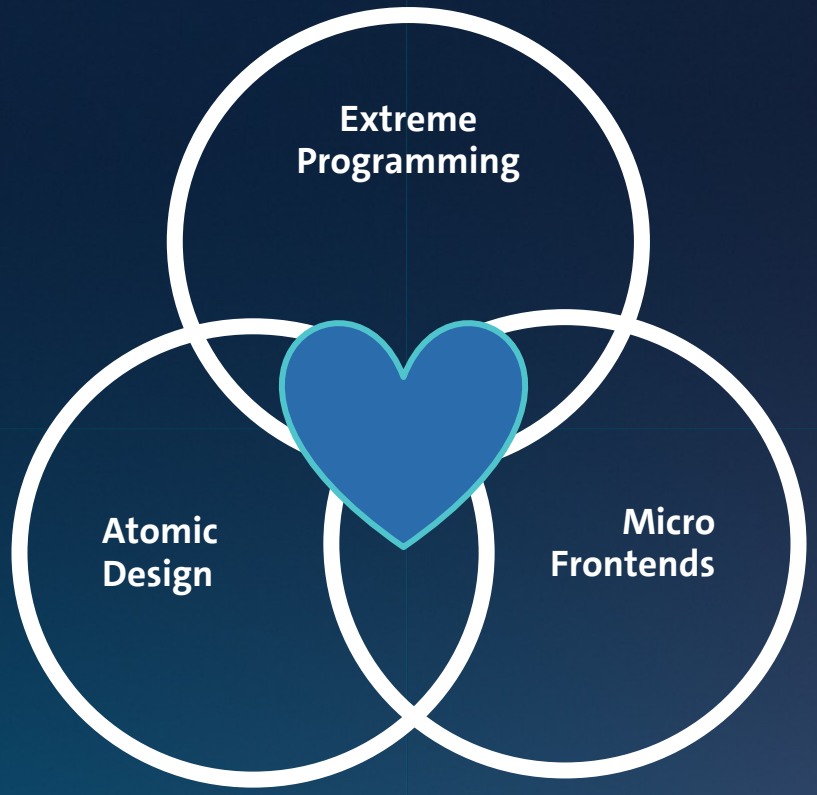
```tsx
import React from "react"
import { BrowserRouter, Link, Redirect, Route, Switch } from "react-router-dom"
import Dashboard from "./ui/pages/dashboard/dashboard"
import OrderDetails from "./ui/pages/order-details/order-details"
import "./vehicle-order-tracker.scss"

const VehicleOrderTracker = () => {

    return <BrowserRouter>
        <header>
            <Link to="/">
                <img alt="Home" src="assets/images/mandala.png" height="42" width="42" />
                Vehicle Order Tracker Mockup
            </Link>
        </header>

        <main>
            <Switch>
                <Route path="/dashboard" render={() => <Dashboard />} />
                <Route path={"/orders/:orderId"} render={() => <OrderDetails />} />
                <Redirect exact from={"/"} to={"/dashboard"} />
            </Switch>
        </main>

        <footer>
            <p>Rita Castro | 2022</p>
        </footer>
    </BrowserRouter>
}

export default VehicleOrderTracker
```

```tsx
import React from "react"
import { render, screen, waitFor, within } from "@testing-library/react"
import userEvent from "@testing-library/user-event"
import VehicleOrderTracker from "./vehicle-order-tracker"

describe("Vehicle order tracker for Remote React Summit 2021", () => {

    it("renders the Dashboard and we can 'View details' of an Order and come 'Back' to the Dashboard", async () => {

        render(<VehicleOrderTracker />)

        const dashboard = screen.getByRole("region", { name: "Dashboard" })
        expect(dashboard).toBeInTheDocument()

        const overviewTabs = within(dashboard).getByRole("tablist")
        expect(overviewTabs).toBeInTheDocument()

        expect(within(dashboard).getByText("All orders")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Search for an order")).toBeInTheDocument()
        expect(within(dashboard).getByLabelText("Filter orders")).toBeInTheDocument()

        const scullysOrder = within(dashboard).getByLabelText("Dana Scully's order")
        expect(scullysOrder).toBeInTheDocument()

        const viewDetailsButton = within(scullysOrder).getByRole("link", { name: "View details" })
        userEvent.click(viewDetailsButton)

        expect(screen.queryByRole("region", { name: "Dashboard" })).not.toBeInTheDocument()
        expect(screen.getByRole("region", { name: "Order details" })).toBeInTheDocument()

        const backButton = screen.getByRole("button", { name: "Back" })
        expect(backButton).toBeInTheDocument()

        userEvent.click(backButton)

        await waitFor(() => {
            expect(screen.getByText("All orders")).toBeInTheDocument()
        })
    })
})
```

```tsx
import React, { useEffect, useState } from "react"
import { useParams } from "react-router"
import { getOrderDetails } from "../../../services/get-orders"
import BackButton from "../../atoms/back-button/back-button"

const OrderDetails = () => {
    const params = useParams()

    const [order, setOrder] = useState()

    useEffect(() => {
        setOrder(getOrderDetails(params.orderId))
    }, [])

    return (
        <div role="region" aria-label="Order details">
            <BackButton />
            <OrderSummary order={order} />
            <OrderStatusTracker order={order} />
        </div>
    )
}

export default OrderDetails
```

The Dealer's journey

Starting line vector created by pch.vector - www.freepik.com



To independently deliver high quality software that gets composed into a greater whole featuring consistent and solid UIs, at a faster pace than ever before.

Any day of the week.
Including Fridays.

Thank you!

rita.castro@vwds.pt

https://github.com/ritamcastro

https://www.linkedin.com/in/ritamcastro

ritamcastro@gmail.com

© Rita Castro 2022