



FIT ANALYTICS (SNAP INC.)

Case Study: Research, product, service & content design for a machine-learning (ML) garment size recommendation utility (2019)

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Locations: Berlin (DE), Chicago (IL, US)

Fit Analytics is a retail tech company that utilizes AI and machine-learning (ML) to help retailers reduce purchase return costs by guiding online shoppers to find the correct garment size via AI-driven recommendations.

In time, the company rebranded as SNAP INC AR Enterprise Services (ARES) after being acquired by SNAP INC. However as of April 2023, Fit Analytics demerged from SNAP INC and continued operating independently.

Over 250 global top apparel companies use Fit Analytics / SNAP INC ARES solutions to boost conversions, help buyers find the right garment fit, and reduce returns. Brands include Oak + Fort, Princess Polly, ASOS, Helly Hansen, Puma, Patagonia, Simons, and Hugo Boss among others.

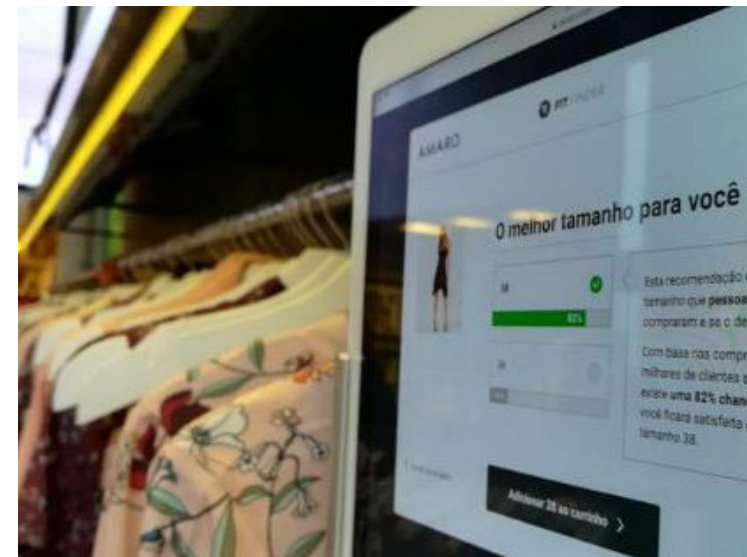
Links:

<https://fitanalytics.com>

<https://ares.snap.com>



ARES AR Mirrors



Fit Finder at Amaro (BR) used on a touchpad in-stores to reduce fitting room queues

Challenge

Mark & Spencer (M&S), a client that leveraged Fit Analytics' **'Fit Finder'** (a garment size recommendation tool), required a solution tailored to reduce returns for the bra garment. Shoppers often face uncertainties when buying this garment online notably due to size and fitting variations between brands.

Goals

As the first Designer and Researcher at Fit Analytics I was responsible to manage and delivery this project timely. More importantly, Fit Analytics back then was unfamiliar with UX research practices and the reliance on subject-matter experts. Thus, the goals consisting in the following:

- Delivering a concept design by leveraging research, data, design best practices, and machine-learning while adhering to requirements (business, client).
- Taking advantage of the competitive landscape.
- Demonstrate stakeholders the benefits UX research and the reliance on subject-matter experts add to the value proposition.

Role

Product, Service & Content Designer, User Researcher, Project Management

Timeline

9 months (2019 - 2020)

Team

The project involved continuous coordination with stakeholders and teams comprising:

- CTO
- Data scientists
- ML Engineers
- Design director
- Head of engineering
- Developers
- QA
- SME

PRODUCT OVERVIEW

How it works...

Search bar: t, code or brand

Sign in

Brands | Flowers & Plants | Gifts | Christmas | Food & Wine | Sale | Inspire Me | M&S Bank

Free returns for online orders | Free store collection

Image placeholder

BODY BY M&S
Body Soft™ Wired Full Cup T-Shirt Bra
A-E
£20 ★★★★★ 1599 reviews

COLOUR **Black**

Sale Sale Sale Sale

SIZE

30	B	C	D	DD	E
32	A	B	C	DD	E
34	A	B	C	DD	E
36	A	B	C	DD	E
38	A	B	C	DD	E
40	A	B	C	DD	E
42	A	B	C	DD	E

[Size guide](#) [Fit guide](#)

1 **Add to bag**

Find in store **Notify Me**

RETAILER LOGO BRA FINDER Privacy

FIND YOUR SIZE & STYLE

Answer a few simple questions to get matched with the best bras for your unique body shape and personal preferences.

Let's Go!

RETAILER LOGO BRA FINDER Privacy

MATERIAL

Select your preferred material, or simply choose 'No Preference':

 MOSTLY NATURAL FIBERS	 MOSTLY SYNTHETIC FIBERS	 NO PREFERENCE
---------------------------	-----------------------------	-------------------

RETAILER LOGO BRA FINDER Privacy

OK, Marks & Spencer. A few more questions about this bra...

WHAT SIZE IS YOUR BRA?

American sizes

Bust					Cup				
28	30	32	34	36	AAA	AA	A	B	C
38	40	42	44	46	D	DD	E	F	G
					GG	GGG	J		

Continue

SHOPPER DATA

"age": "32"
"height": "168 cm"
"weight": "68 kg"
"belly": "flat"
"hips": "average"
"fit preference": "loose"

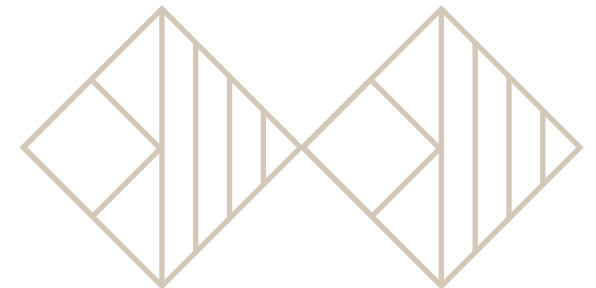
PRODUCT DATA

"productID": "alioop_528812"
"brand": "Alioop"
"gender": "F"
"style": "Pocket Tee"
"availableSizes": "XS, S, M, L"
"salesRank": "135"
"returnRate": "12.15%"

Responsibilities

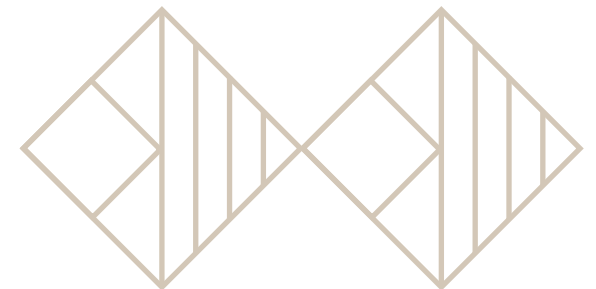
In summary, key responsibilities included:

- Project management
- Research and discovery
- Competitive benchmarking
- Recruiting a subject-matter expert
- Workshops and facilitation with data scientists and ML engineers
- Content design and data annotation
- Design (concept, service) and deliverables
- Experiment design and evaluation
- Accessibility audit (Level AA)

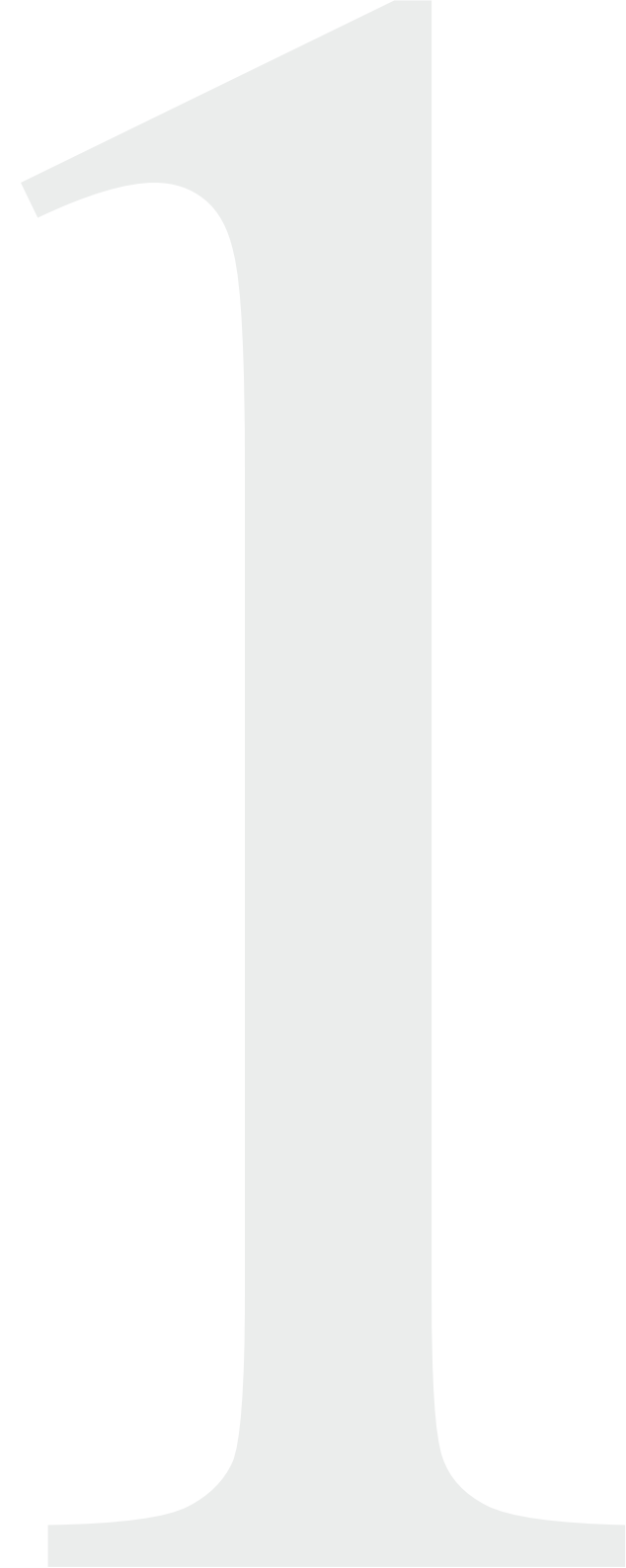


Steps

01. Discovery
02. Ideation & content strategy
03. Concept design, data annotation & rationale
04. Experiment design & evaluation
05. Results
06. Reflection & conclusion



Discovery



True Fit

TRUE FIT CACIQUE

TELL US A LITTLE ABOUT YOURSELF.
Select all that apply.

- I'M ON MY FEET ALL DAY.
- I SIT AT A DESK MOST OF THE DAY.
- I CARE MORE ABOUT HOW A BRA LOOKS THAN HOW IT FEELS.
- I LIKE TO BE COMFY WHEN I'M HOME RELAXING.
- I OFTEN DRESS UP FOR SPECIAL OCCASIONS.
- I WORK OUT OR PLAY SPORTS.

NEXT

Discovery

Given the project's uniqueness and challenges, it was imperative to run an investigation to get a general understanding about:

- The garment dynamics (e.g., categories, built, material)
- Factors influencing purchasing-decisions
- Competing solutions in the market

This discovery phase enabled me to determine the most suitable methods for both the generative and iterative research stages, paving the way for developing preliminary design concepts.

Thirdlove

THIRDLOVE

How do your straps fit?

[Watch Strap Fit Video](#)

- Straps dig in
- Straps slip, even after I've tightened them
- Straps fit right

Back **Next**

Competitive-benchmarking

I benchmarked the only two competitors in the market being True Fit and ThirdLove. An in-depth competitive-comparative evaluation and a SWOT analysis was performed resulting in a . This analysis provided a comprehensive overview of:

- How recommendation systems work
- Features and functions
- Content design

COMPETITIVE BENCHMARKING

Both competing solutions were carefully assessed. The process involved reviewing both solutions screen by screen, question by question, and feature by feature to learn about their strengths and weaknesses.

TRUE FIT (COMPETITOR 1)		THIRD LOVE (COMPETITOR 2)	
SCREEN	QUESTIONS & ANSWERS	SCREEN	QUESTIONS & ANSWERS
Brand & size	Size charts by country, Band size, Cup size, Brand selection (inc. search bar)	Brand & size (of your everyday bra)	3 visual options for: Band size, Cup size, & Brand
Bra style & coverage	3 visuals given for: low, medium, and full coverage	How old is the bra?	Less than 6 months, 6-12 months, 1-2 years, more than 2 years
Cups fit	3 visuals given for: Gaps, Right fit, & Overflows	Cups fit	5 visuals given for: Gaps (a lot), Gaps (a little), Right fit, Overflow (a little), & Overflow (a lot)
Band fit	3 visuals given for: Digs in, Right fit, & Rides up	Band fit	3 visuals given for: Band rides up, Band too tight, & Band is comfortable
Bra age	2 options: Less than a year, One year older	Hook	3 visuals given for: Tight hook, Middle hook, & Loose hook
Describe breast shapes	3 options: Shallow, Average, & Full	Straps fit	3 visuals given for: Digs in, Slips, & Straps fit in
Preferences	4 options: Wire-free, Unlined (no padding), & None of the above	Do you always wear this bra (tentative size already proposed by the utility)	Yes always, or, No sometimes different size
Tell us a bit about yourself	I am on my feet all day I sit at a desk most of the day I care more about how a bra looks than how it feels	What other size do you sometimes wear (this shows up if user selects 'no' on previous screen)	Band size, Cup size, & Brand

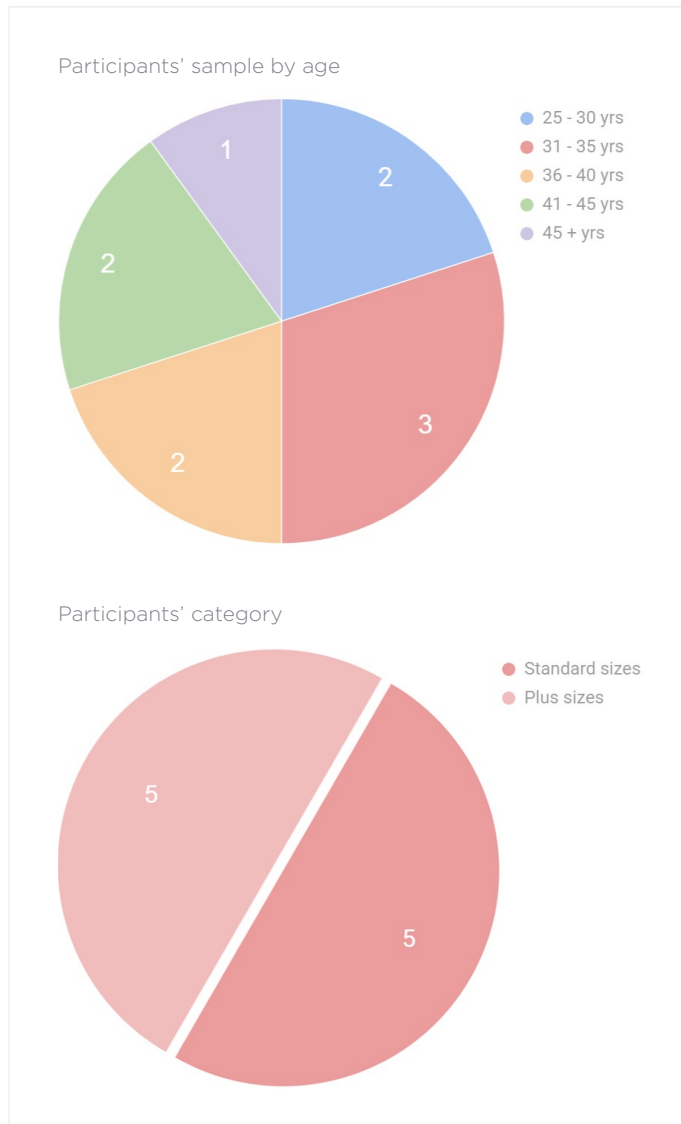
Participant Observations

Ten female participants (n=10) were randomly recruited to understand the challenges they encounter while shopping online, for instance:

- Factors influencing their purchasing decisions, using the 'master-apprentice' approach and think-aloud techniques
- Pain points that undermine the purchasing decision process

For **ethical reasons**, I involved a female colleague to handle gender-specific questions throughout the interviews and observations.

N.B. A pilot study was conducted before running these sessions to see if this research setup makes sense.



Notable Findings

After running an inductive thematic analysis, I observed that:

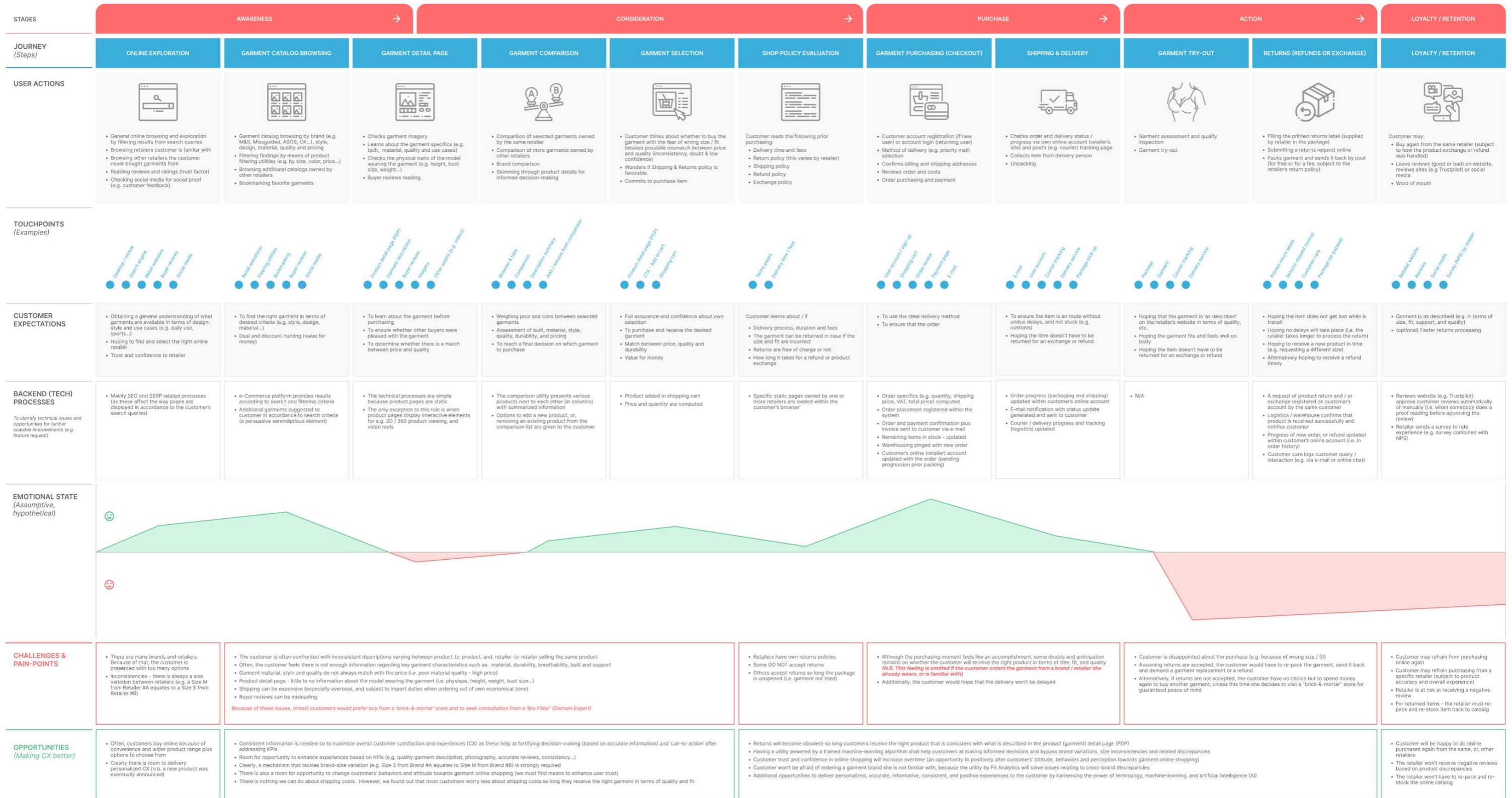
1. *"Participants prefer shopping via brick-and-mortar stores to ensure they get the right garment in terms of size, pricing and quality"*
2. *"Participants devote time reading buyer reviews, while comparing garments alongside specifications side by side"*
3. *"Contrastingly, participants are confident buying brands already acquainted with"*

The discoveries were translated into presentable charts, personas, empathy maps, experience maps, and service-centric deliverables (next pages) so these could guide us in making informed decisions throughout the design and development stages.

I created several **customer journey maps** to outline the entire process buyers go through to achieve their goal of finding the perfect garment in terms of size, style, fit, material, quality, and price. These maps were based on behaviors observed using the 'master-apprentice' approach, which involved watching how users search for suitable garments.

CUSTOMER JOURNEY

Bra garment selection, purchasing, and returns (based on persona #8)



MASTER-APPRENTICE APPROACH - Reported observations & patterns

STEPS	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Visiting a bra retail website of own choice	●	●	●	●	●	●	●	●	●	●
Browsing product catalog extensively	●	●	●	●	●	●	●	●	●	●
Visiting & browsing other retailers' websites	●			●	●			●	●	●
Opening various garment detail pages in separate browser tabs	●		●	●		●		●		●
Comparing 2+ garments next to each other (in separate tabs)			●	●		●	●	●	●	●
Reading garment specifications	●	●	●	●	●	●	●	●	●	●
Zooming garment photos	●	●		●		●	●		●	●
Reading about model wearing garment (e.g. height, weight)	●	●	●		●	●		●	●	
Reading buyer reviews	●		●	●			●		●	●
Matching garment price with quality	●	●	●	●	●	●	●	●	●	●
Checking for available discounts	●			●	●					
Checking delivery costs	●	●		●	●				●	●
Checking return policy	●	●		●	●	●	●	●	●	
Bookmarking 1 or more product pages		●				●			●	●
Hesitation before adding to basket or checking out	●	●	●	●		●	●	●	●	●

MASTER-APPRENTICE - Reported participants' hesitation towards bra online shopping

SUB-THEME	ISSUE	RANK *
DISAPPOINTMENT	Wrong size, fit or style	9
DISAPPOINTMENT	Poor quality (not worth the price)	9
DISAPPOINTMENT	Garment different from photos	7
LOGISTICS	No returns allowed / buyer must pay shipping for returns (subject to location)	5
LOGISTICS	Slow shipping (subject to participants' location)	3
ERROR	Retailer sent wrong item	3

* RANK: how many participants expressed similar concerns

Examples of a primary & secondary persona

JANE - Primary persona

PROFILE
Jane is a student worker currently studying Geography / Hydrology. She is an Asian-American living in Berlin (DE). As a student worker, her schedule is hectic and doesn't have much of a free time at the moment.

GOALS
• To be happy
• Staying healthy
• Becoming rich / stable

MOTIVATIONS
• Peace
• Happiness

FRUSTRATIONS
• People in general
• Patriarchy

SHOPPING BEHAVIORS
• Buys mainly online
• Monthly buyer for bras and underwear

E-SHOPPING
• Owning something that makes life feeling better
• Convenience

BRANDS & RETAIL
HAM, OSOS, BOND, baohoo

EMILY - Secondary persona

PROFILE
Emily is a researcher and currently preparing herself to undertake her PhD in Neuroscience. She got a hectic working schedule from 9 to 6 combined with working from home including 60 hours weekly. On her free time she often prefers to stay relaxing at home.

GOALS
• To complete PhD
• To be a good person
• To be a fully functional adult

MOTIVATIONS
• Peace
• Happiness

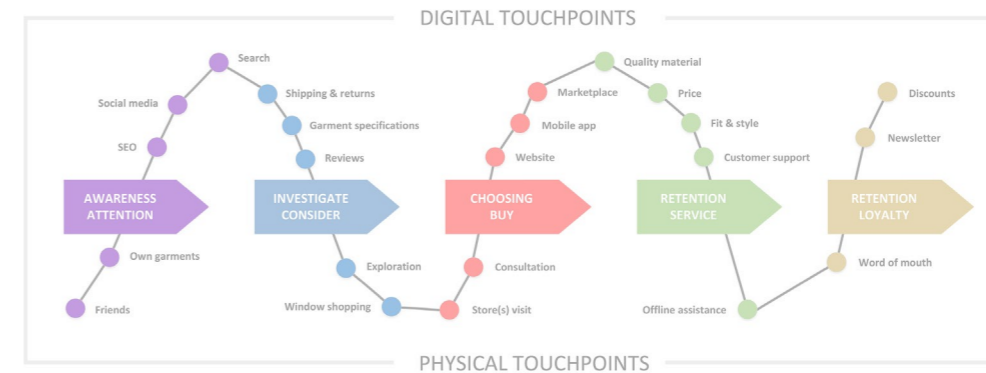
FRUSTRATIONS
• People not recognizing one's privilege
• Prejudice over others
• High cost for a healthy lifestyle

SHOPPING BEHAVIORS
• Buys mainly online
• Monthly buyer for bras and underwear

E-SHOPPING
• Wide range of products
• Convenience
• Access to discounts
• Big plus if student discounts and "Merch" are supported
• No genuine reviews

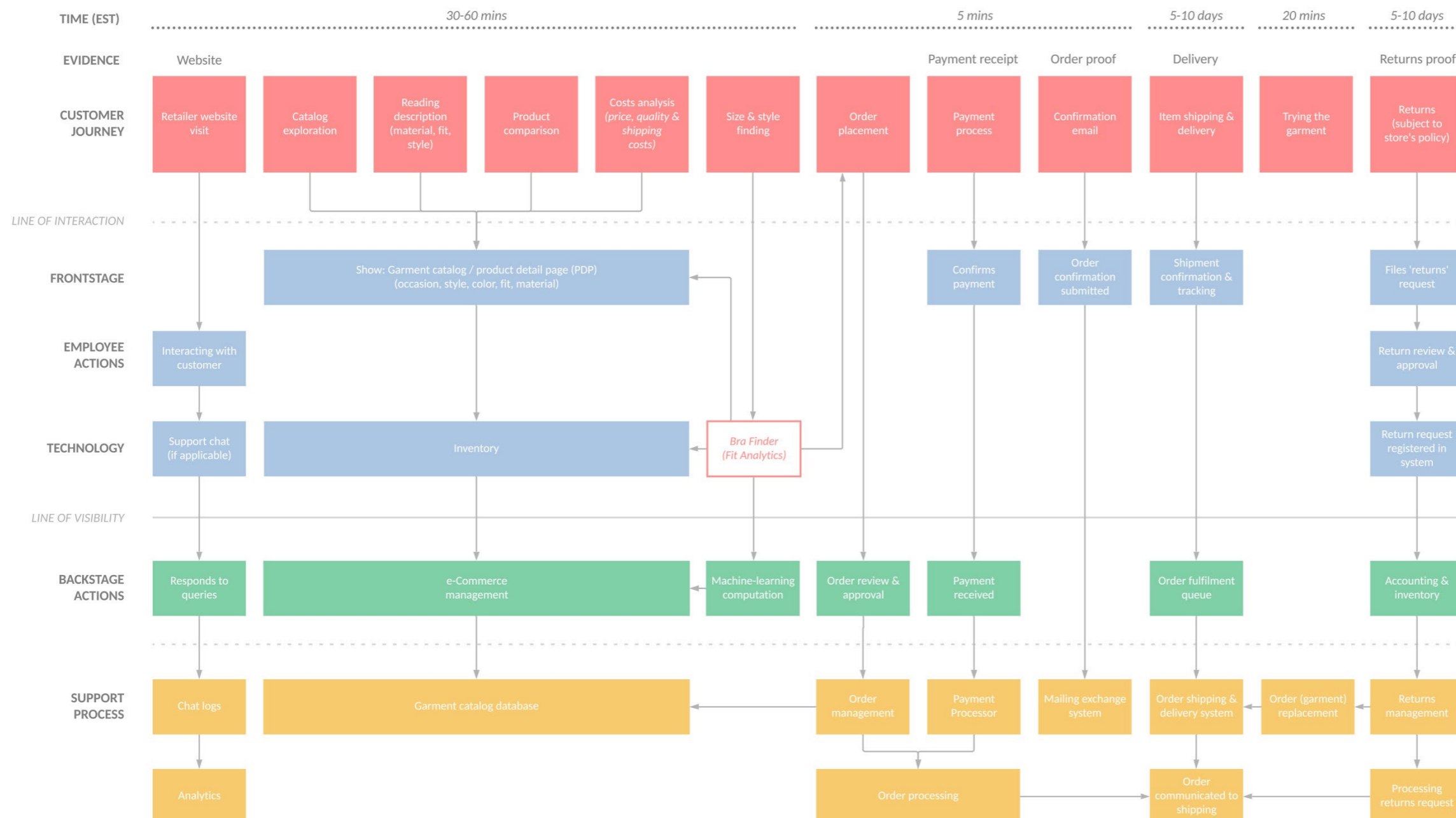
BRANDS & RETAIL
MISCHIEF, OSOS, BONDS, THE ICONIC, ck

A journey highlighting physical and digital touchpoints influencing the participants' decision process pre- and post-purchase.



Various empathy maps were established to gain a deeper insight into the users (personas) and their way of thinking before obtaining the garment.





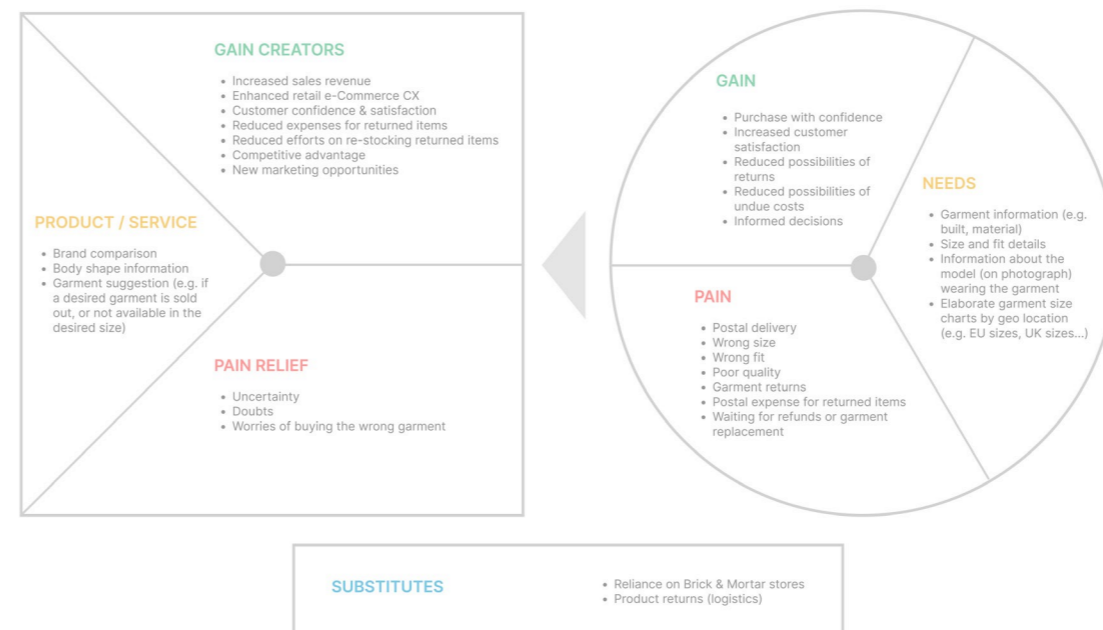
A **service blueprint** was created to tackle complex scenarios and touchpoints, illustrating how our product integrates into these contexts. This blueprint helped identify:

- i) pain points associated with each touchpoint, and
- ii) the relationships between service components, people, and processes.

A business proposition canvas to identify actors, activities, costs, revenues, etc., to help us solidifying the value proposition for this novel product.



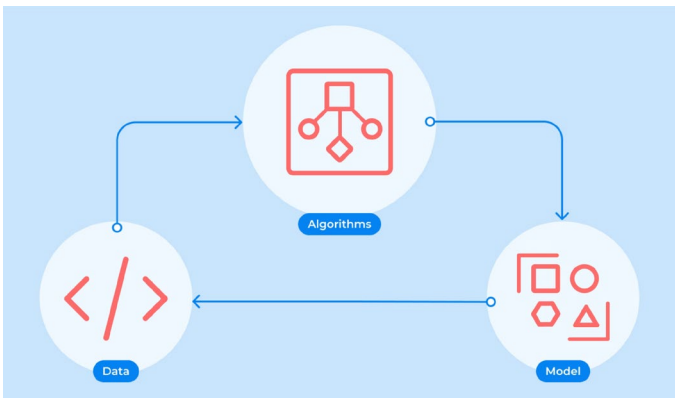
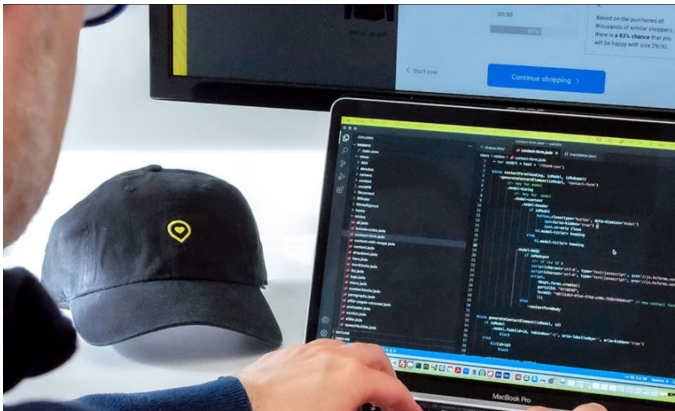
After coding the findings, a value proposition canvas was created so to identify the product and the service value into discrete parts.



Ideation &
Content Strategy



The subject-matter expert & 2 data scientists



Process

I teamed up with data scientists, QA, the design director, and the subject-matter expert (whom I recruited) to brainstorm and define:

- The **user data types** required by the machine learning algorithm to learn and then generate accurate garment size recommendations.
- The **key questions** we needed to incorporate into the product's UI to effectively gather information from users before providing tailored recommendations.

At its core, the success of the ML algorithm depends on diverse datasets, including human body measurements, garment styles, and brand-specific details, allowing it to learn and produce highly accurate sizing recommendations.

SIDE NOTE:

While employing a user-centered design (UCD) approach is standard in our practice, data scientists and ML engineers had requirements that challenge traditional UX due to the distinct nature of AI and ML technologies. Adopting a pragmatic approach, we utilized a 'data-scientist-centric' method to align business, ML, and user requirements. This strategy streamlined the large language model (LLM) training process, ensuring the delivery of accurate recommendations to customers efficiently.

Card sorting (arranging UI content in a logical sequence)



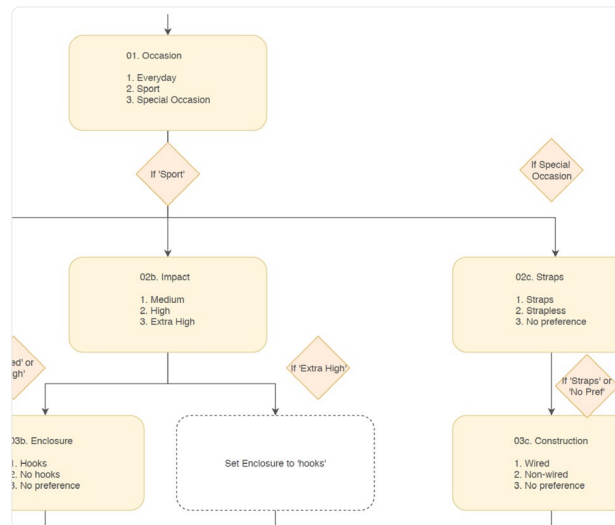
Content design & data annotation

Together, we identified the data and information we required from the buyers (users) so to ensure the product's algorithm generates accurate garment size recommendations.

We then translated these data types into a set of jargon-free questions. To enhance the user experience, we ran a **card sorting exercise** to arrange the questions into a logical sequence that makes sense from a user / conversational standpoint.

Lastly, we established **3 happy paths (flows)** based on the most sought use cases (according to data), being: 'everyday use,' 'special occasions,' and 'sports.'

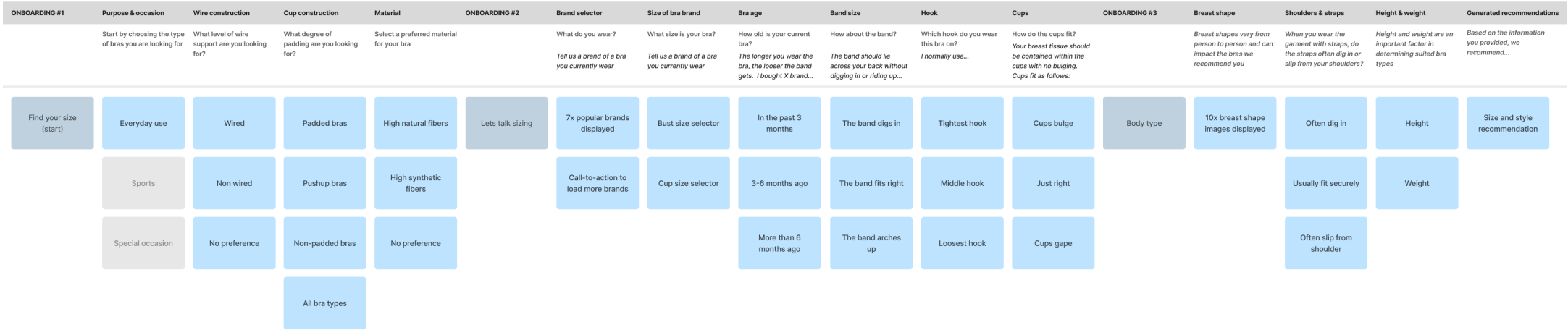
SCREENS	OPTIONS
INTRO SCREEN	
OCCASION	> Sports
MATERIAL	Cotton / Spandex / Micro-fiber / no preference
COVERAGE	Low / Standard / Full
SHAPES	*show breast shapes here
BUST / CUP SIZE	*size selector module*
AGE OF BRA	*define age of current bra*
BRAND COMPARISON	
BRAND	Brand selector (brand names, logos, etc)
TYPE	Cross-cross / Tank top / Racerback
CONSTRUCTION	Encapsulation / Compression / Combined (encapsulation + compression) <small>Notes: Encapsulation & combined types contain breast cups. Compression type is more like a standard shirt.</small>
IMPACT	Low / Medium / High <small>Notes: Impact is about the type of sport e.g. Yoga is low impact. Cycling is high impact</small>
STRAPS	Tight / Perfect / Loose
BAND	Tight / Perfect / Loose
CUPS	Tight / Perfect / Loose <small>IMPORTANT: Only show cups for 'encapsulation' or 'combined' construction types</small>
RESULTS (END)	



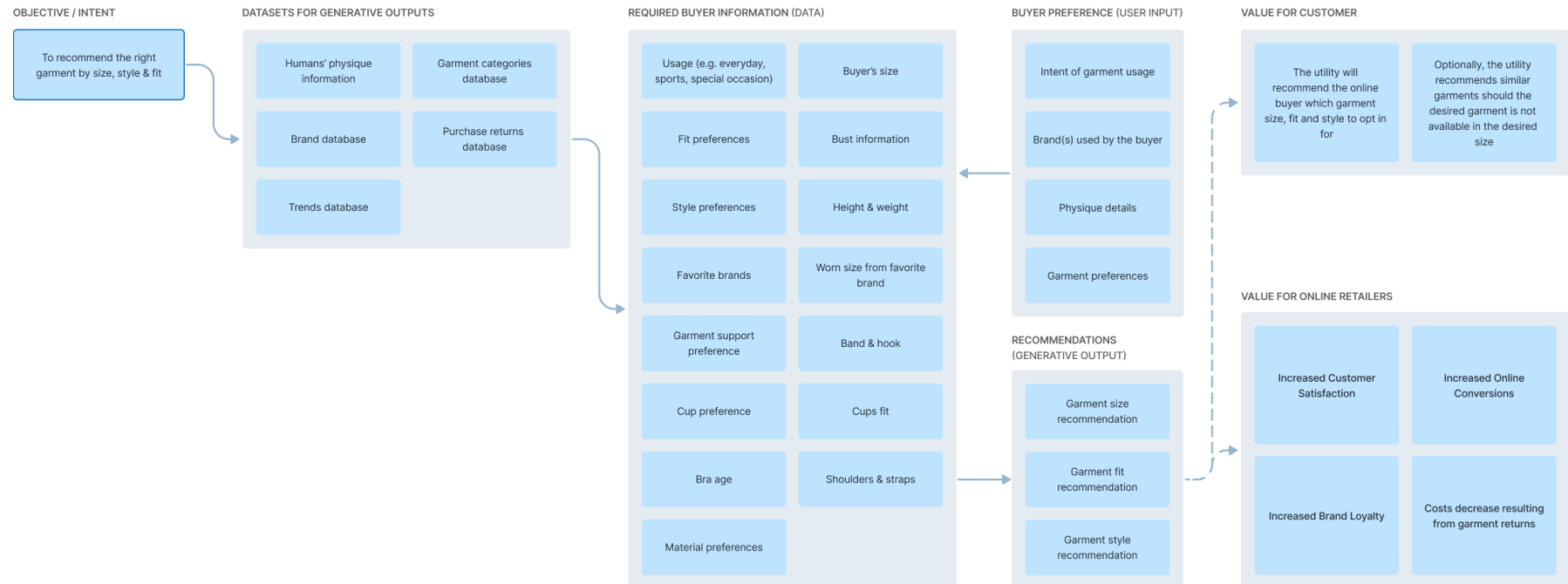
Drafting a happy path (flow)

CONTENT DESIGN & DATA ANNOTATION

Content design for 1 (out of 3) happy path by garment category



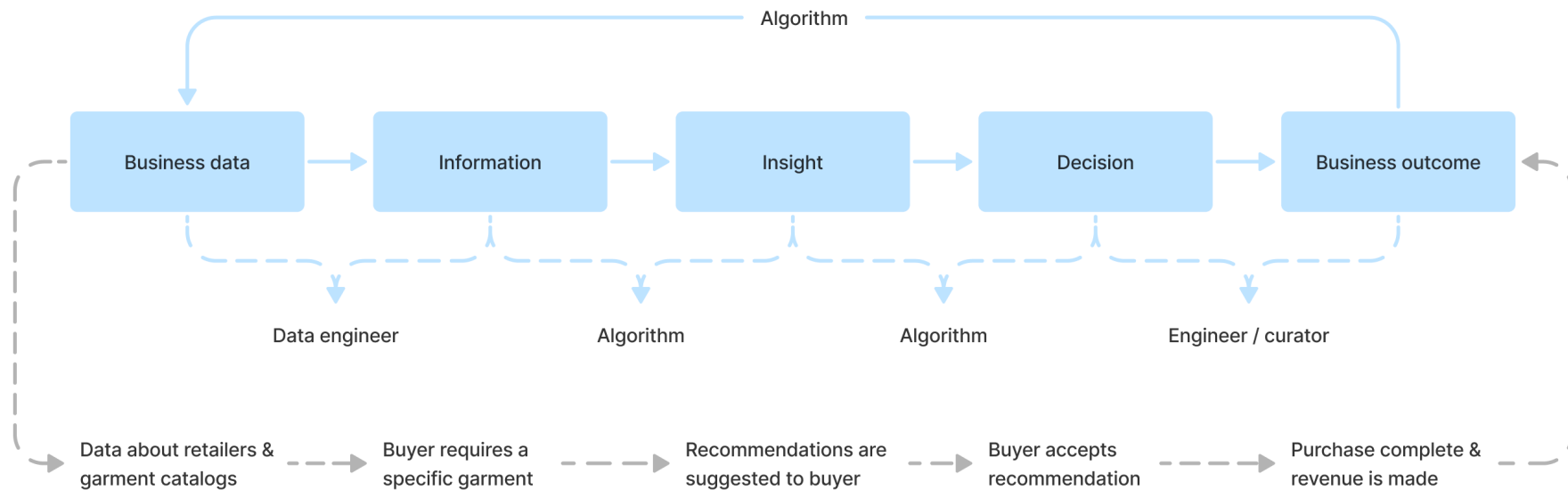
Plotting the ML model logic & data annotation



FOR CONTEXT ONLY

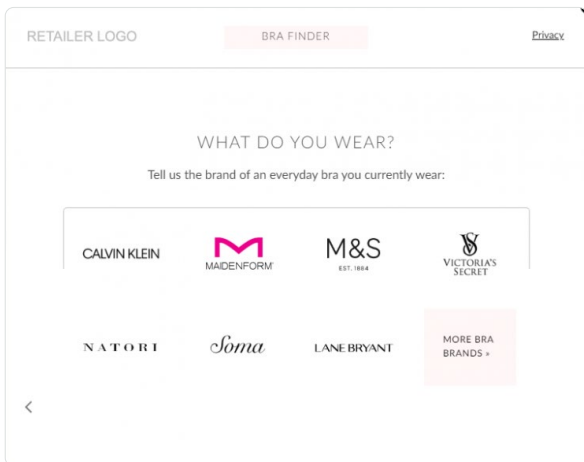
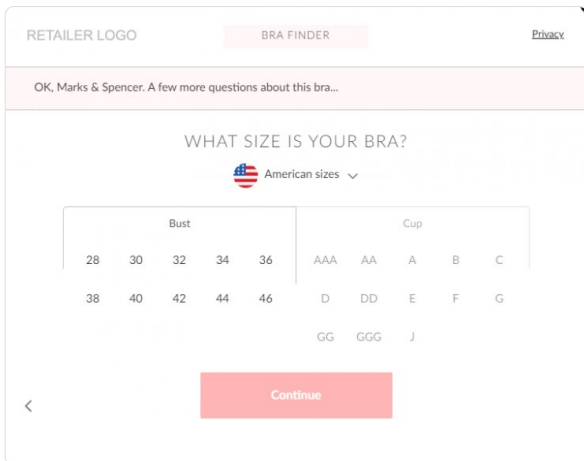
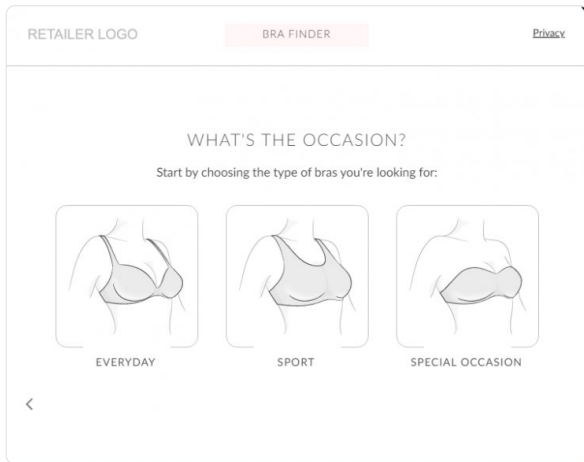
Understanding ML recommendation systems

Machine-learning recommendation systems operate with minimal human intervention (Human on the Loop, HOTL). Consequently, language models must be meticulously trained to provide accurate recommendations for buyers. Partnering with data scientists and ML engineers was essential to ensure the project's success.

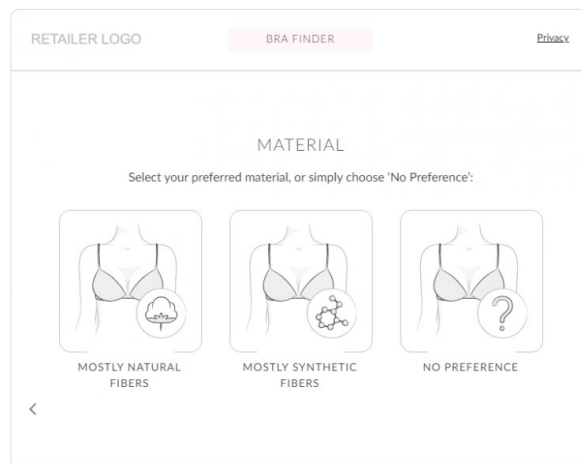
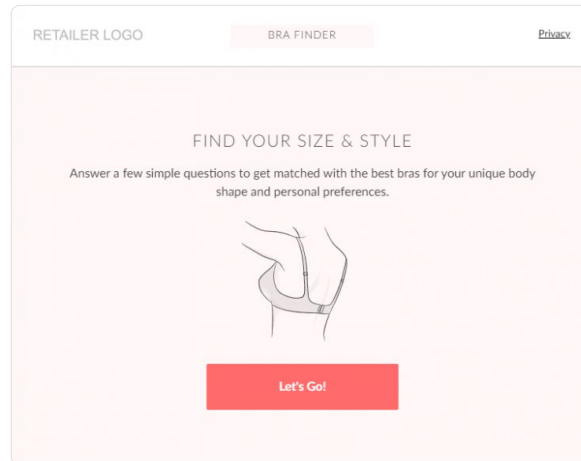


Design
& Rationale





Selected UI designs



Design

Initial low-fidelity concepts were created for 3 established happy-paths (flows) being: everyday use, special occasions, and sports usage.

Following a peer review involving developers, data scientists, QA, and the subject-matter expert, these concepts were refined into high-fidelity designs and a prototype.

These were presented to key stakeholders for final feedback and approval.

Various UI for the mobile viewport

BRA FINDER
✕

FIND YOUR SIZE & STYLE

Answer a few simple questions to get matched with the best bras for your unique body shape and personal preferences.

Let's Go!

✕
Privacy

This service, controlled by Snap Inc., aims to reduce returns and waste by helping you find your size and style as well as cutting out ads that do not match, learning from your and others' shopping data.

[Privacy.](#)

WHAT'S THE OCCASION?

Start by choosing the type of bras you're looking for:

EVERYDAY

SPORT

SPECIAL OCCASION

BRA FINDER
✕

WHAT'S THE OCCASION?

Start by choosing the type of bras you're looking for:

EVERYDAY

SPORT

SPECIAL OCCASION

BRA FINDER
✕

ALMOST DONE! BODY TYPE

Your unique body shape helps determine your best fit. These final three questions will help match you to the best-fitting bras.

Let's Go!

BRA FINDER
✕

IMPACT

What kind of athletic activities will you be doing in this bra?

MEDIUM IMPACT

HIGH IMPACT

VERY HIGH IMPACT

BRA FINDER
✕

HOW OLD IS YOUR CURRENT BRA?

The longer you wear a bra, the looser the band gets...
I bought this Next bra...

3

IN THE PAST 3 MONTHS

6

3-6 MONTHS AGO

MORE THAN 6 MONTHS

BRA FINDER
✕

CONSTRUCTION

What level of wire support are you looking for?

WIRED

NON-WIRED

NO PREFERENCE

BRA FINDER
✕

HOW DOES THE BAND FIT?

The band should lie straight across your back, without digging in or riding up.
The band...

DIGS IN

FITS RIGHT

ARCHES UP

BRA FINDER
✕

SHOULDERS & STRAPS

When you wear a garment with straps (bra, top, evening dress, etc), do the straps often dig in or slip from your shoulders?

OFTEN DIG IN

USUALLY FIT SECURELY

OFTEN SLIP OFF

LET'S TALK SIZING

Think about an everyday bra you wear. In the following screens, we'll ask you a series of questions about this bra in order to calculate your perfect size in your new bra.

Let's Go!

Next, 80/C. A few more questions about this bra...

WHICH HOOK?

Which hook do you wear this bra on?
I normally use...

TIGHTEST HOOK

MIDDLE HOOK

LOOSEST HOOK

LAST QUESTION! YOUR HEIGHT & WEIGHT

Most women don't know that height and weight play are an important factor in determining what bra types are best suited to them!

HEIGHT cm in

1	6	5
---	---	---

WEIGHT kg lbs

0	7	0
---	---	---

Show My Results

WHAT DO YOU WEAR?

Tell us the brand of an everyday bra you currently wear:

M&S
EST. 1884

next

PRIMARK

Sainsbury's

Triumph

George.

TESCO

MORE BRA BRANDS >

Next, 80/C. A few more questions about this bra...

HOW DO THE CUPS FIT?

Ideally, your breasts should be comfortably contained within the cups, with no bulging.
Cups fit as follows...

TOO TIGHT

JUST RIGHT

TOO LOOSE

BRA FINDER
✕

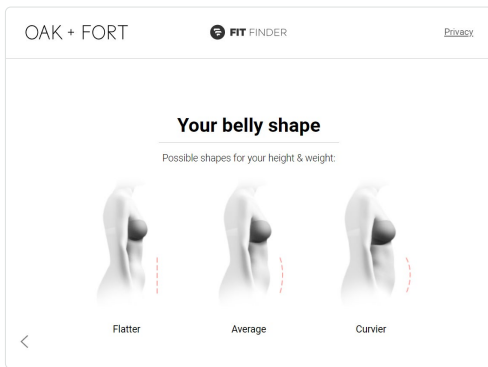
Based on the information you provided, we recommend...

Extra High Impact Non Wired Sports Bra A-E

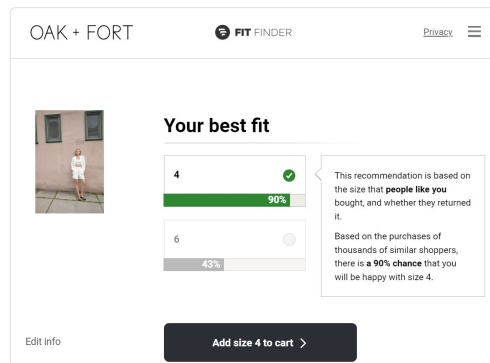
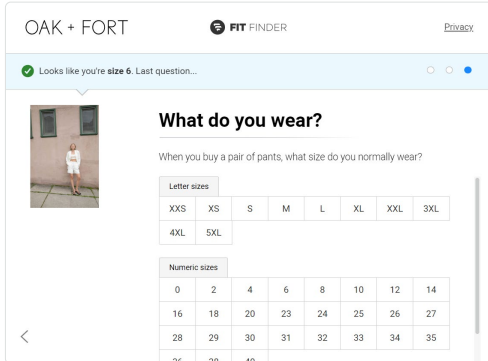
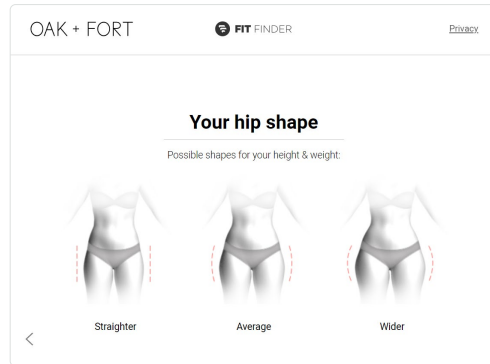
36C

Shop This Bra

More recommended bras:



Fit Finder live on OAK+FORT



Design Rationale

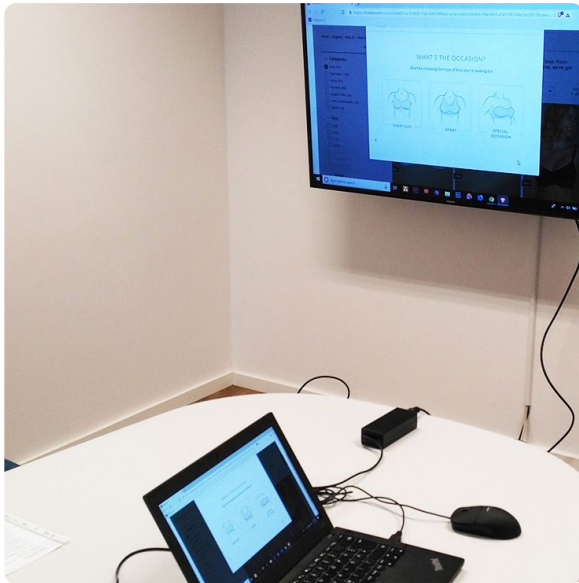
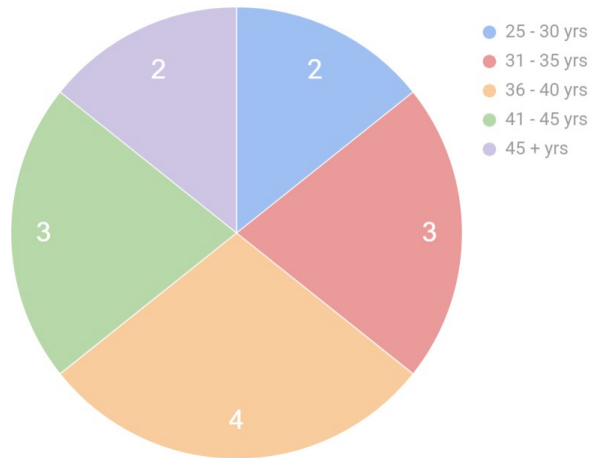
The UI design for the new product (bra finder) is modeled after Fit Finder, the parent product tailored for upper-, and lower-body garment sizes. We adopted its structure for several reasons:

- **Visual & structural consistency** across products
- **Rigorous testing** – Previous discoveries by third-party agencies consistently shown Fit Finder to be intuitive and user-friendly.
- **Competitive analysis** – A competitive study where 15 participants tested 3 competing solutions revealed a strong preference for Fit Finder.
- **SUS & NPS scores** – Past survey studies yielded a high perceived ease of use and usability scores along with a moderately high Net Promoter (NPS) score for Fit Finder.

Evaluation



Participants' sample by age group



Evaluation

Lastly, I recruited 14 participants (n=14) spanning various age groups to validate the product. This sample included:

- Seven participants (n=7) who had previously engaged in the discovery phase. They were invited back to confirm that their expectations were fulfilled.
- Seven participants (n=7) who were new to sizing recommendation tools, selected to gather unbiased insights.

This evaluation aimed at assessing the:

- Overall perception towards Bra Finder
- Understandability and learnability
- Perceived relevance
- Journey length (via a task completion assessment)
- Design and structure quality

Two participant groups arranged for the 'within-subjects' experiment

GROUP 1

(n=7)

Participants exposed to competing solutions (*True Fit, Third Love*) during the discovery phase

	n	Test sequence
Participants	2	<i>Everyday, Sport, Special Occasion</i>
	2	<i>Special Occasion, Sport, Everyday</i>
	2	<i>Sport, Special Occasion, Everyday</i>
	1	<i>Special Occasion, Everyday, Sport</i>

GROUP 2

(n=7)

Participants who never tried garment size recommendation tools

	n	Test sequence
Participants	2	<i>Everyday, Sport, Special Occasion</i>
	2	<i>Special Occasion, Sport, Everyday</i>
	2	<i>Sport, Special Occasion, Everyday</i>
	1	<i>Special Occasion, Everyday, Sport</i>

Experiment design

Considering the diversity within these samples, I opted for a **'within-subjects'** experimental design for the validation process. This choice arose from my interest in examining potential differences between participants who had experience with similar (competing) tools and those who had no prior exposure to such solutions.

Setup

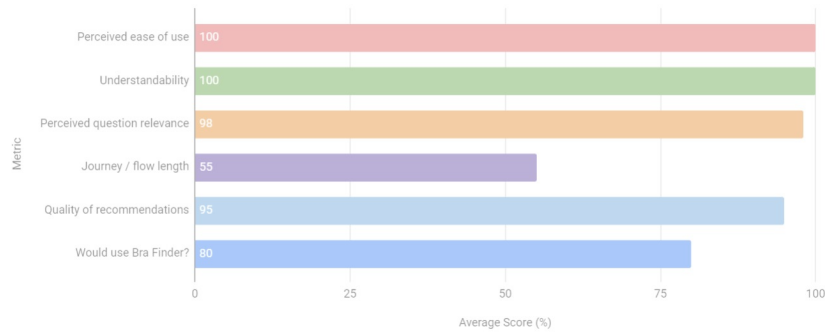
The evaluation setup with each participant consisted in:

- Semi-structured interviews
- Three task-based scenarios based on the 3 established flows coupled with think-aloud protocols
- A survey study via a questionnaire we devised to assess journey length and the questions' relevance
- Concluding discussion (i.e., impression, opinion, & final thoughts)

Results



Overall attitude towards Bra Finder



Scoring of questions: 1-5 (5 is high)

Participant 1

Bra fitting issues	None in particular	
Length of user journey	Found length of questions 'just right'	
Included question	Ease of use	Perceived relevance
Occasion	5	5
Material	5	5
Wire	5	5
Padding	5	5
BC Brand	5	5
BC Size	5	5
BC Straps	5	5
BC Band	5	5
BC Cup	5	5
BC Which hook?	5	5
BC Age of bra	5	5
Shape of breast	5	5
Height/Weight	5	
Excluded question	Ease of use	
Category	5	
Coverage	5	
Impact for Sports Bra	5	
Do you always wear same bra size?	5	
Do you wear different bras for different occasions?	4	
Other missing questions		
Results screen format	Liked it, preferred approach when	
Other	Would expect material question options for sports bras	
Comparison: Third Love	Pros: feedback copy, 5 options for Cons: too much reading. Somewhat	
Would be receptive to more 'educational' product	Yes, but would not buy a size that	

Input	Sample values (1-3 examples, NOT the full list)	Relevant to...	UX ease of use	UX perceived relevance	FP relevance guess	Feed support (M&S)
Material	cotton, no preference	Target item	5	5	Unknown (SME contradicted user study)	5
Coverage	low / standard / full	Target item	5	4	?	1
Compression (sports bra only)	low / med / high	Target item	not measured	not measured	Ask about impact level instead: 4	5
Breast shape	full on top, east-west	Body	4	3.2	4	-
BC- Size	32-A	BC Item	4.5	4.6	5	5

Results

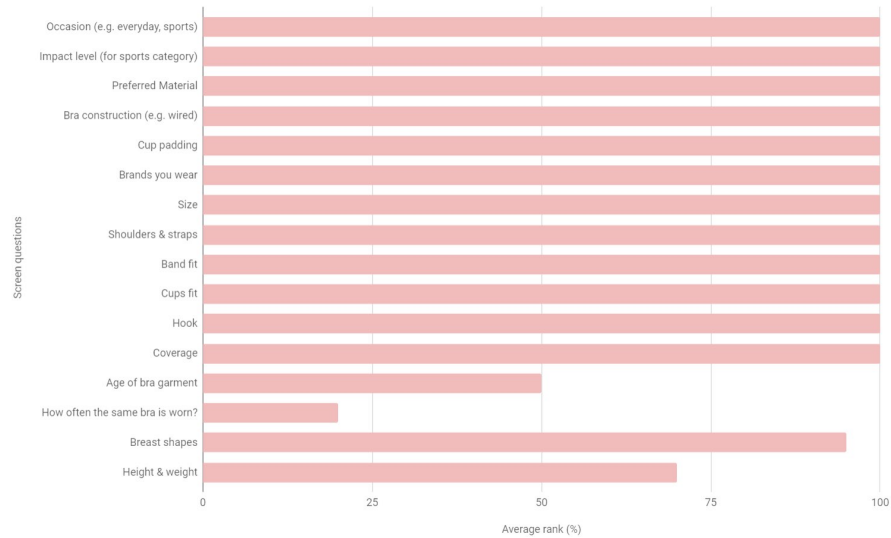
Participants reported a positive experience with Bra Finder, highlighting its user interface (UI), content quality, ease of use, learnability, and the usefulness of its size and fit recommendations.

The seven participants involved in the discovery phase confirmed that their needs were effectively addressed.

Several participants recognized us as 'experts,' particularly acknowledging our attention to gender-related requirements, which underscored the value of involving a subject matter expert.

Lastly, no discernible differences were observed between the two groups of participants.

Perceived questions relevance



Journey length

Participants were administered three task-based scenarios (i.e., finding a garment while using the bra finder).

Given our concerns regarding the journey length, I measured the **'time on task'** and **'time to first success'** for each scenario to obtain an indication on how long it would take for the user to generate recommendations.

Using the **'retrospective' think-aloud protocol**, participants were asked to verbalize experiences after completing each task. I used this method to prevent distortions on the quantitative findings.

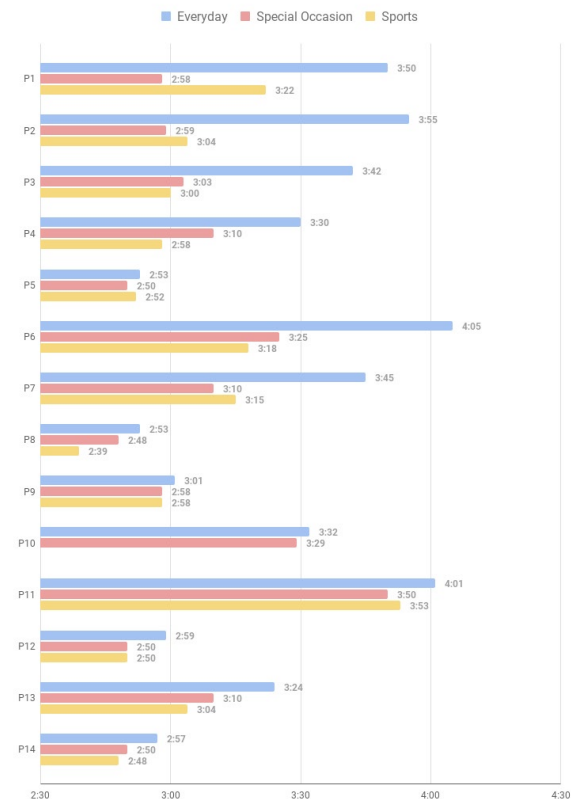
Participants took longer to complete the first task, however they completed subsequent tasks faster, suggesting that users would spend less time using the product after an initial exposure.

Perceived relevance

Participants found the questions highly relevant to the purpose to obtain accurate size recommendations. Several participants described the quality of questions as *'spot on'* and *'meticulous.'*

Task completion rates measured in minutes

Journey completion rate





Reflection

The main achievements and lessons learned from this project revolved around: i) effectively demonstrating to stakeholders the value of UX research and the importance of leveraging subject-matter experts to enhance the value proposition; and ii) gaining extensive insights into machine learning, facilitated by the collaboration with exceptional data scientists and ML engineers.

Conclusion

The product was launched on the M&S UK website in 2019, resulting in a notable rise in online purchases and a decrease in returns by approximately 85%, according to client reports.

Around May 2023, M&S transitioned to a competing solution after Fit Analytics was acquired by Snap Inc. However, it was observed that the competing solution closely resembled the model originally developed by Fit Analytics.

Below is a link to the Adobe XD prototype (managed by Fit Analytics):

<https://xd.adobe.com/view/2c2b6453-3e1b-4520-7188-630f13ff96a3-5a1a/screen/00409e44-8747-4367-8098-69447fb9bd1c>