

# UX DESIGN

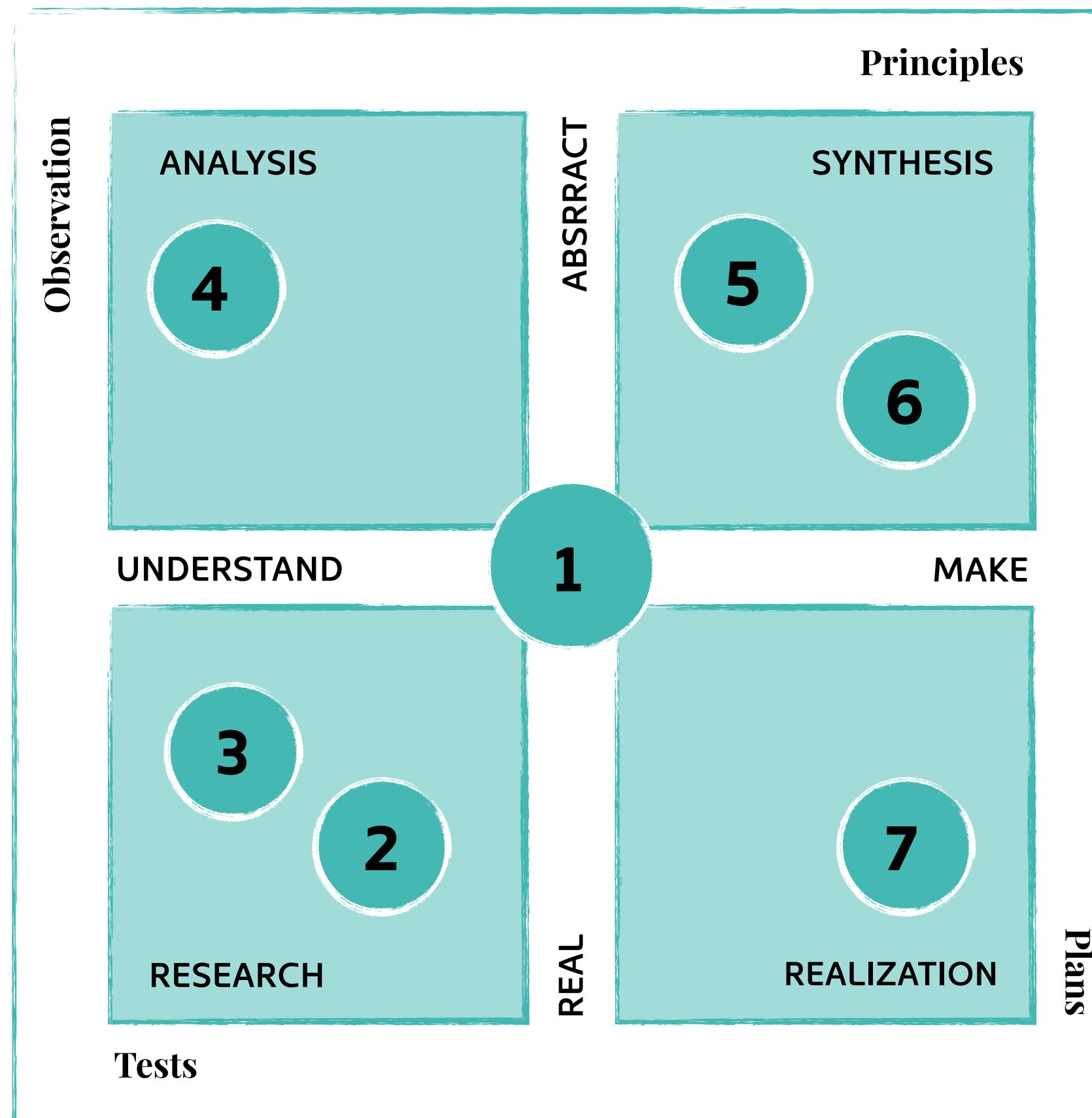
MASTER THESIS IN CO-OPERATION WITH RE'FLEKT GMBH

SAMUEL GODWIN | M-37653 | M-FH MA DS 18SSE

PROF. SZASZ & PROF. FAUST

MACROMEDIA, UNIVERSITY OF APPLIED SCIENCE, MUNICH, 09.07.2019

How can the Seven Modes  
of Design Innovation  
Help combine the UX of  
two different AR Products?



**Sense Intent** - Problem Definition, Methodology

**Know Context** - Trends, Competitors, Product Field Ref Guide

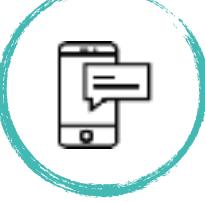
**Know People** - Expert Interviews, Personas, User Journeys

**Frame Insights** - Workshop, Findings

**Explore Concepts** - User Flows

**Frame Solutions** - Prototypes, Feedback, Iterations

**Realise Offerings**

-  **Healthcare**
-  **Automotive**
-  **Enterprise**
-  **Mobile**
-  **Remote**

**16.8 Billion USD**

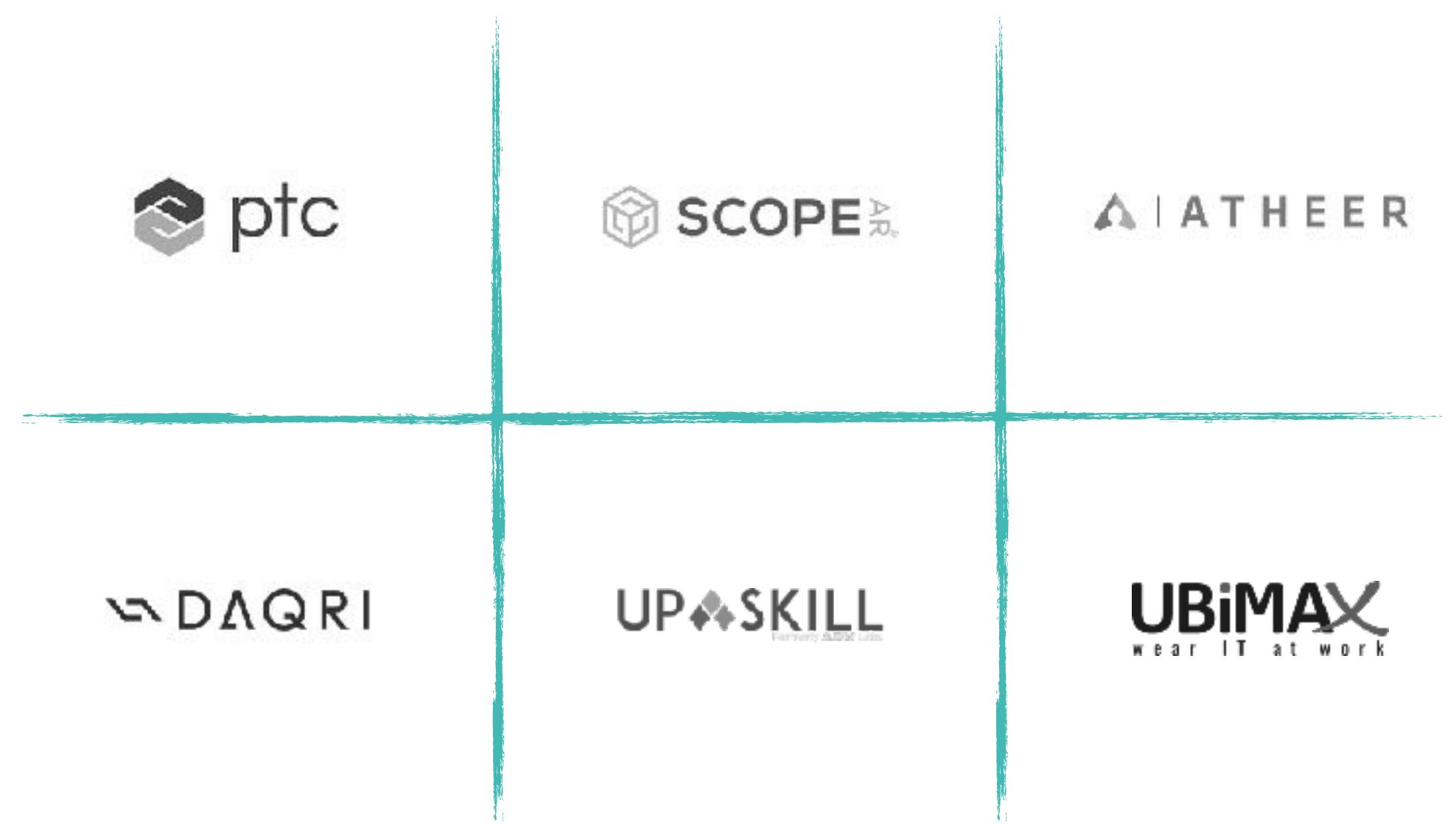
AR & VR Market Revenue Worldwide 2019

**198 Billion USD**

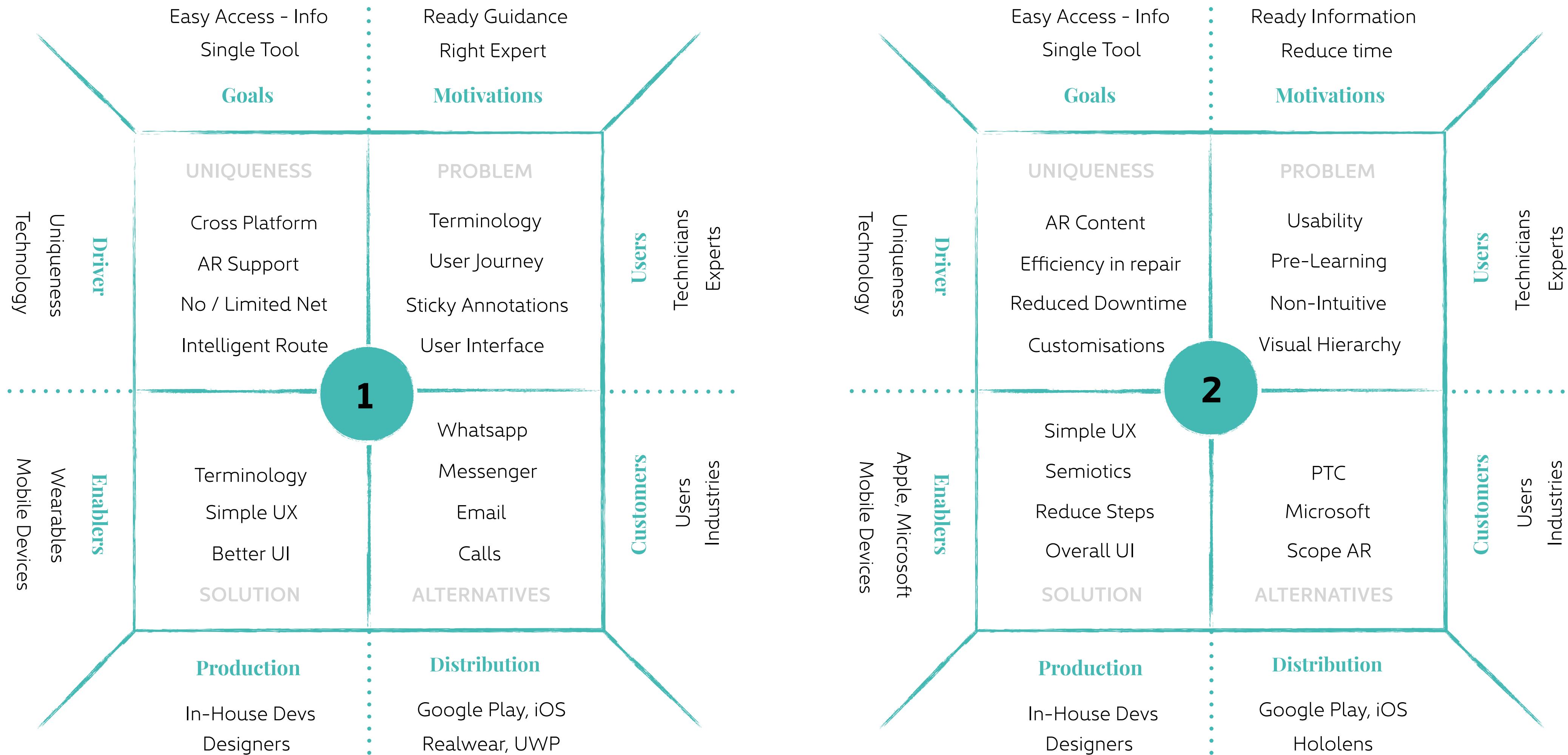
AR Global Market Size 2025

**29.5 Billion USD**

AR & VR Economic Impact 2020



# KNOW CONTEXT - PRODUCT FIELD REFERENCE GUIDE - 1 REFLEKT REMOTE, 2 REFLEKT ONE



“Only an **ecosystem** can help provide a **seamless user experience!**“

“We have to provide a **consumer based Experience!**“

“**UX** and **UI** of a product are of **highest priority** as they help fix technical **Problems!**“

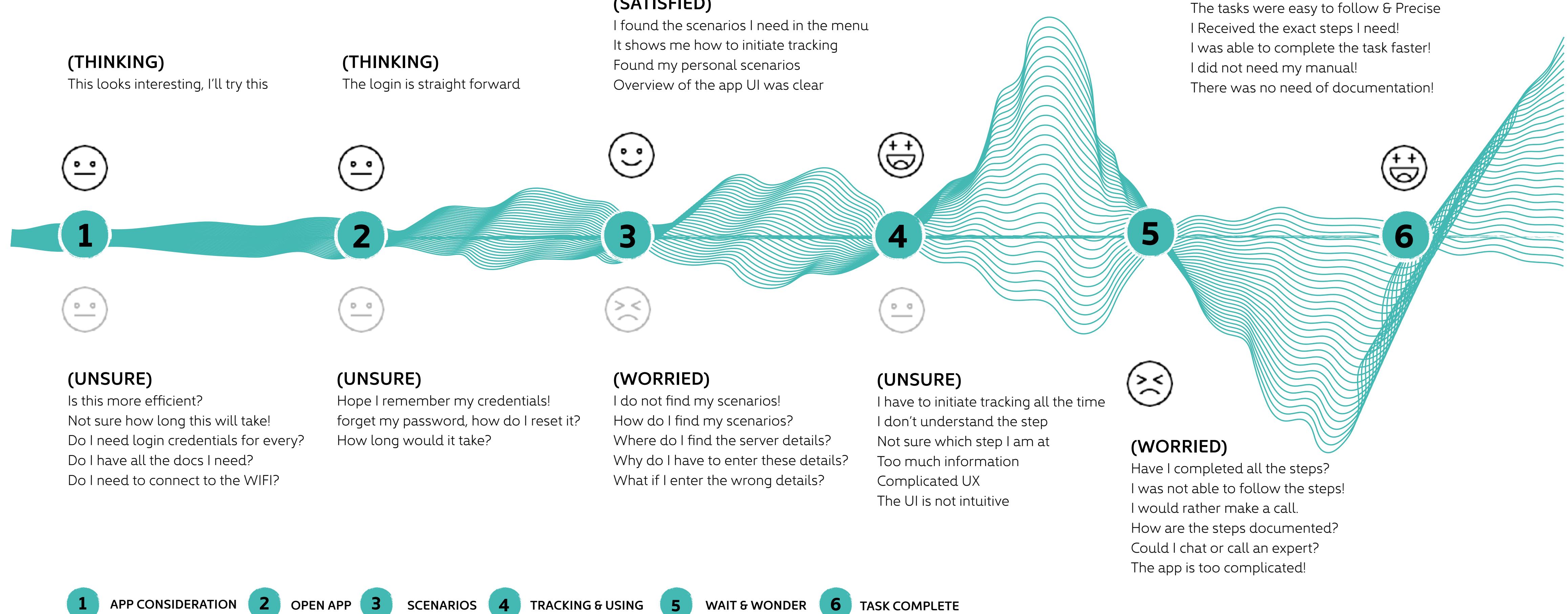
“It is **absolutely essential** that we get the **usability** right making it easy and **efficient!**“

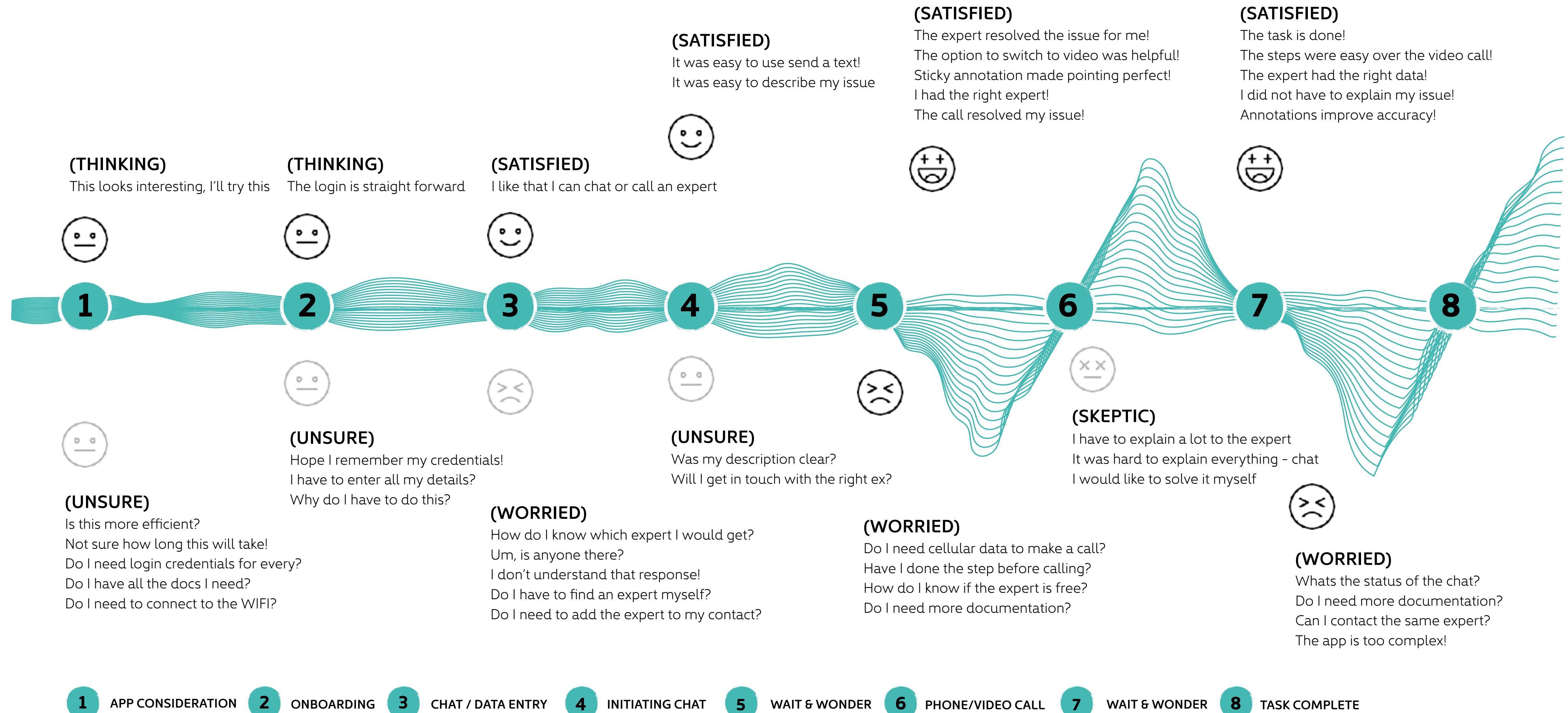
“We need to **understand** the **clients use cases** in-order to provide a **standardised solution!**“



**John Doe**  
Senior Technician

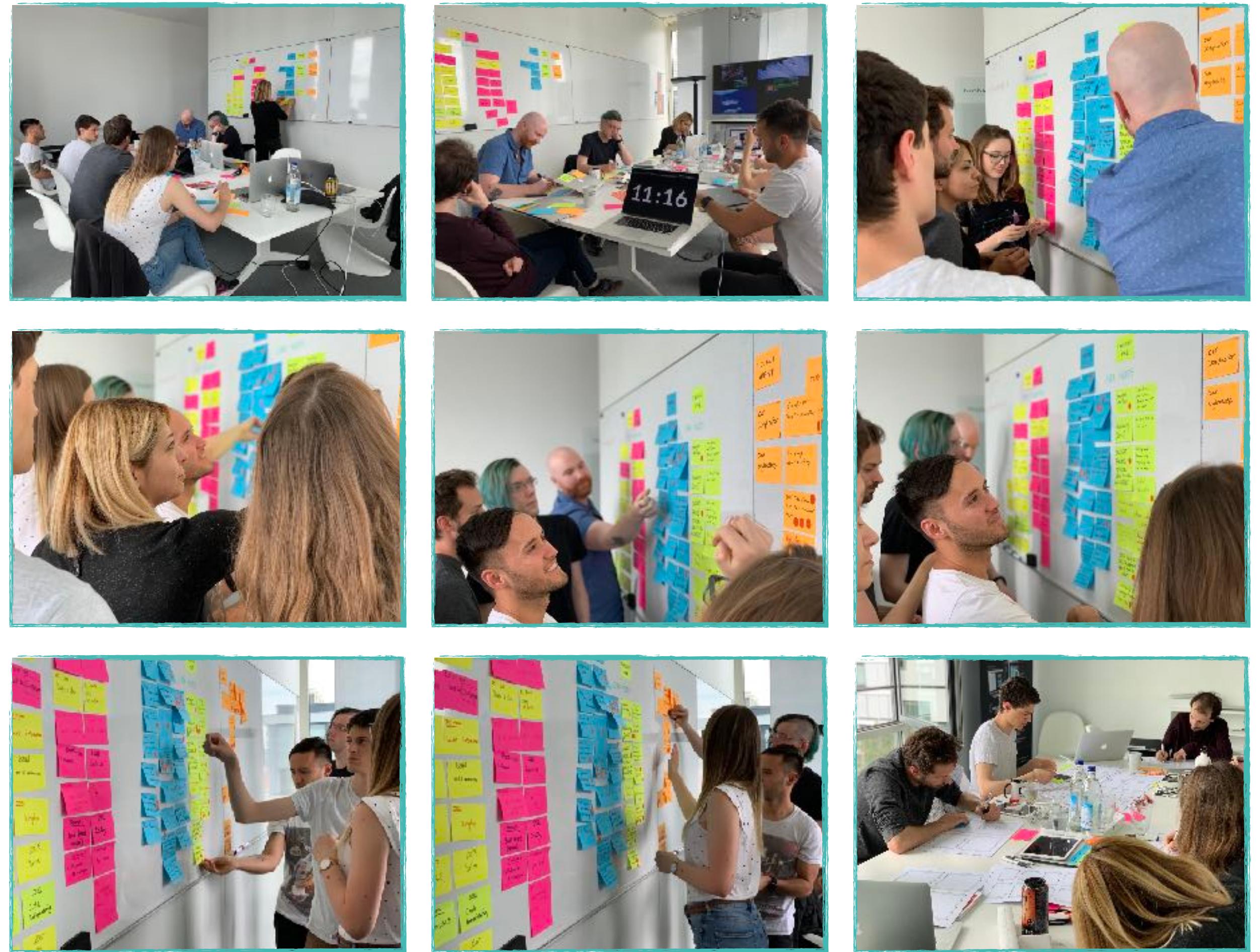
**Bane Doe**  
Junior Technician

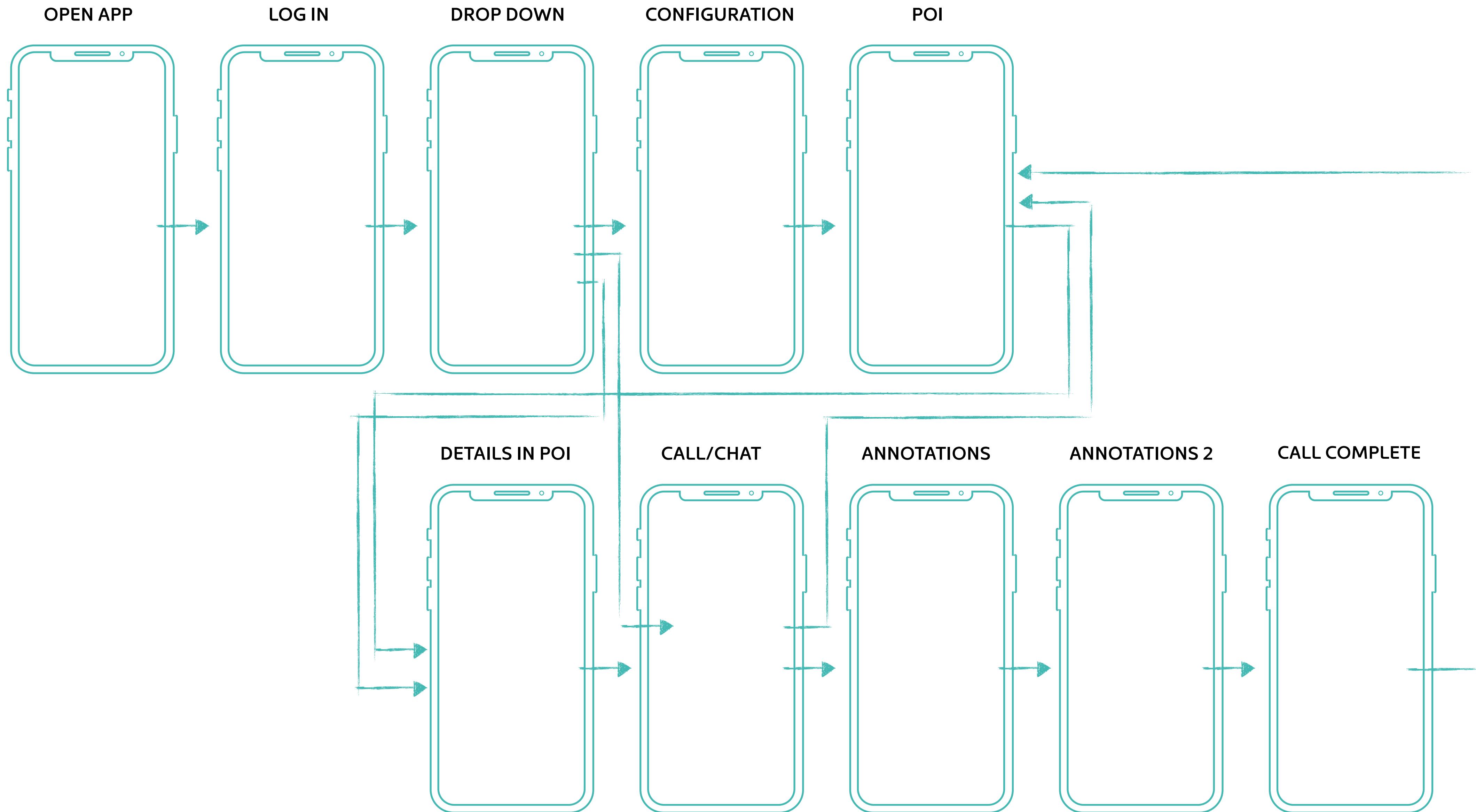




# How do we provide a **Seamless User Experience** whilst bringing both the products together?

- Vision Before and After
- Identifying user needs
- Idea Generation
- Elaborate Ideas
- Create Concepts



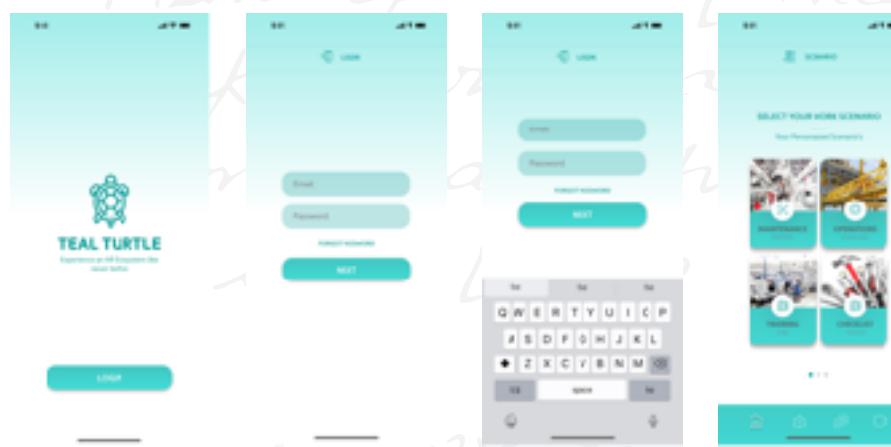


# FRAME SOLUTIONS - PROTOTYPES, FEEDBACK, ITERATIONS

## MOBILE - iPhone - DRAFT 1

- filters based idea for scenario
- (Flight booking)

### ONBOARDING

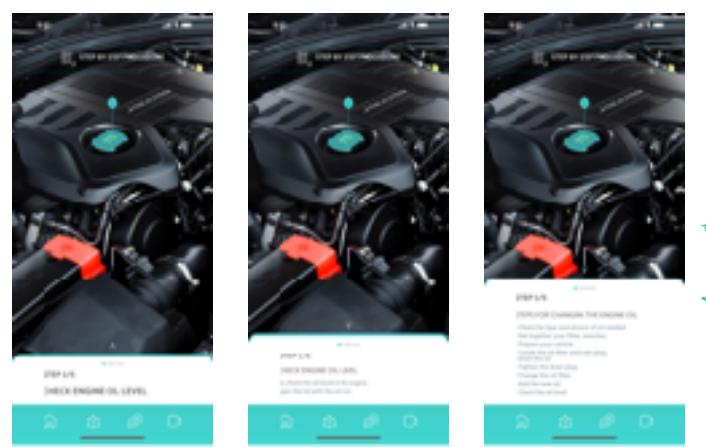


Feedback: UX team

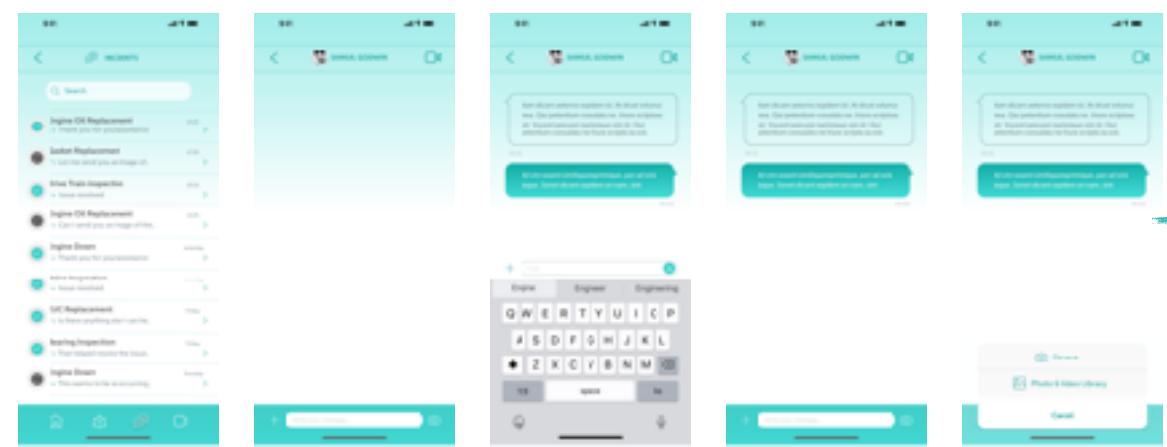
### TRACKING



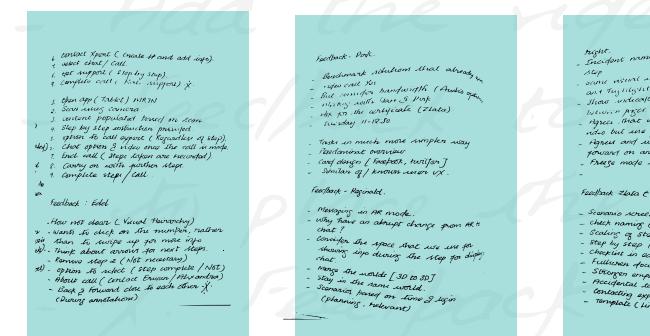
### STEP-BY-STEP



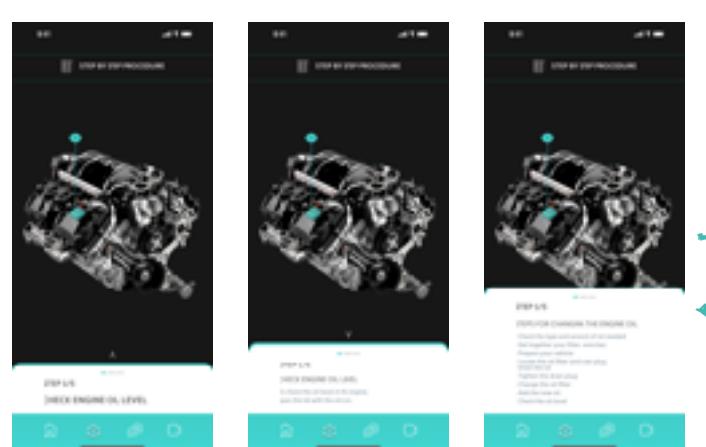
### CHAT



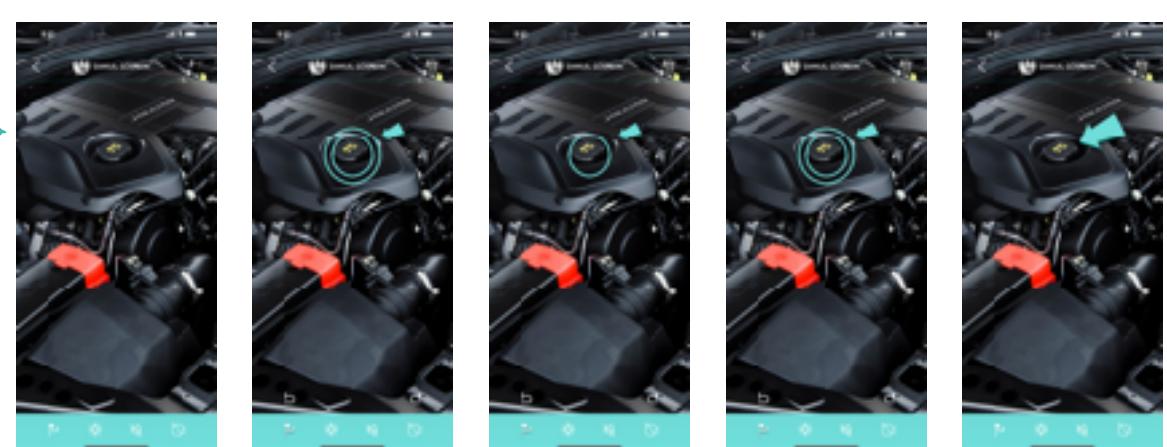
### FEEDBACK



### 3D/VR MODE



### VIDEO CALL & ANNOTATIONS



- ✕ Reset tracking option
- ✕ Guide the user for tracking.

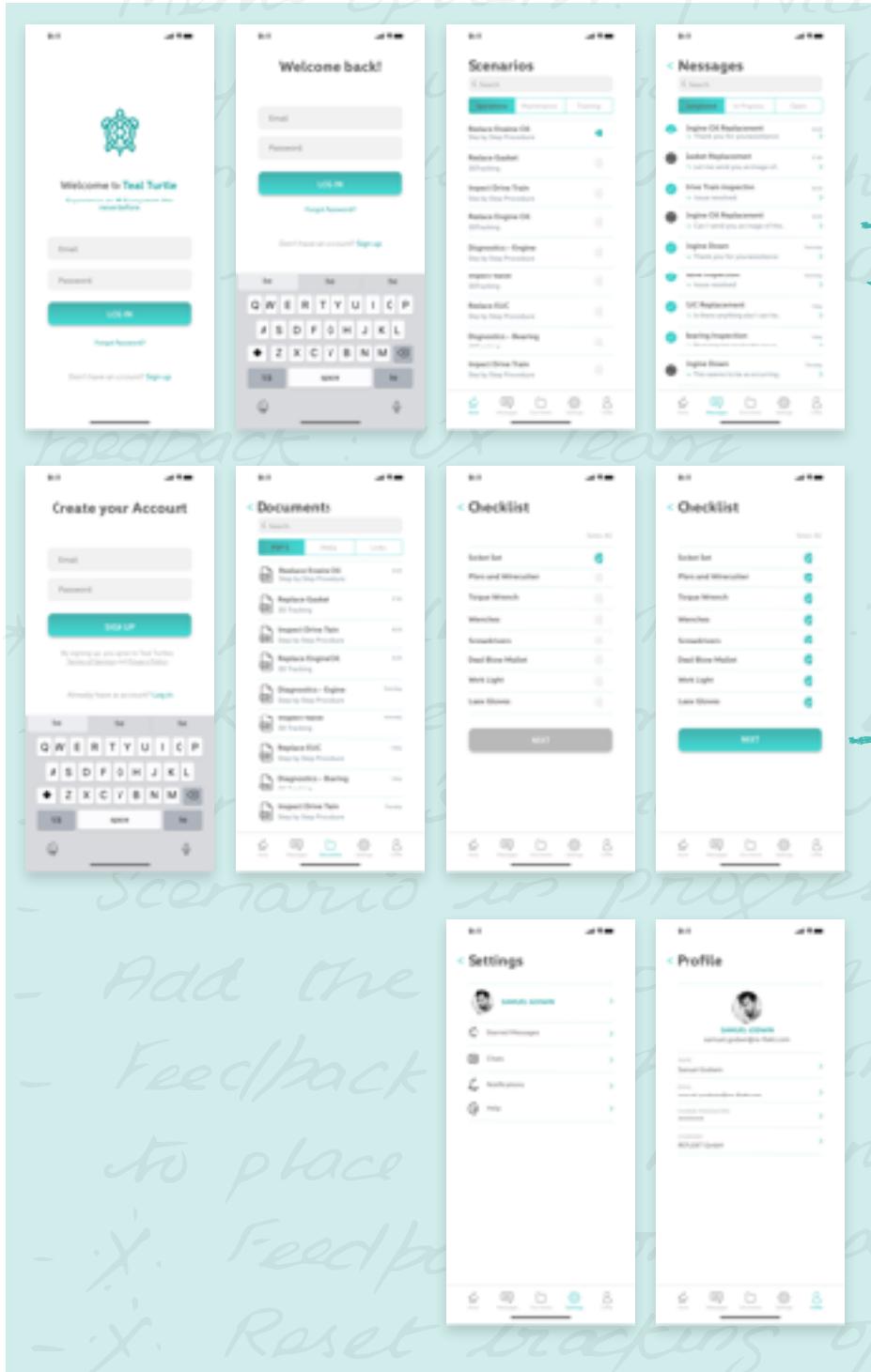
Feedback: Gary

# FRAME SOLUTIONS - PROTOTYPES, FEEDBACK, ITERATIONS

## MOBILE - iPHONE - FINAL

- filters based idea for scenario
- (Flight booking)

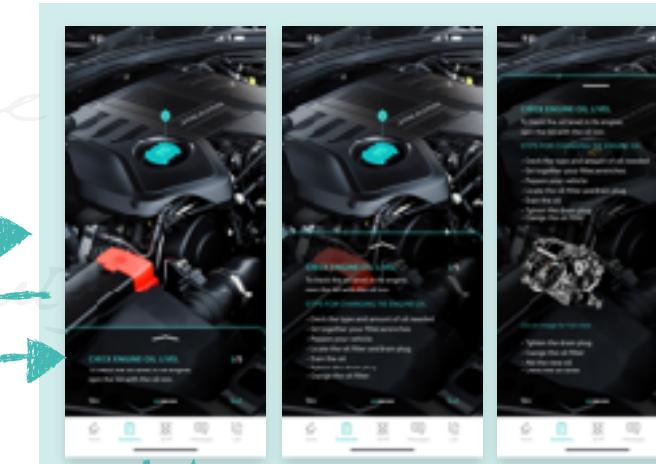
### ONBOARDING



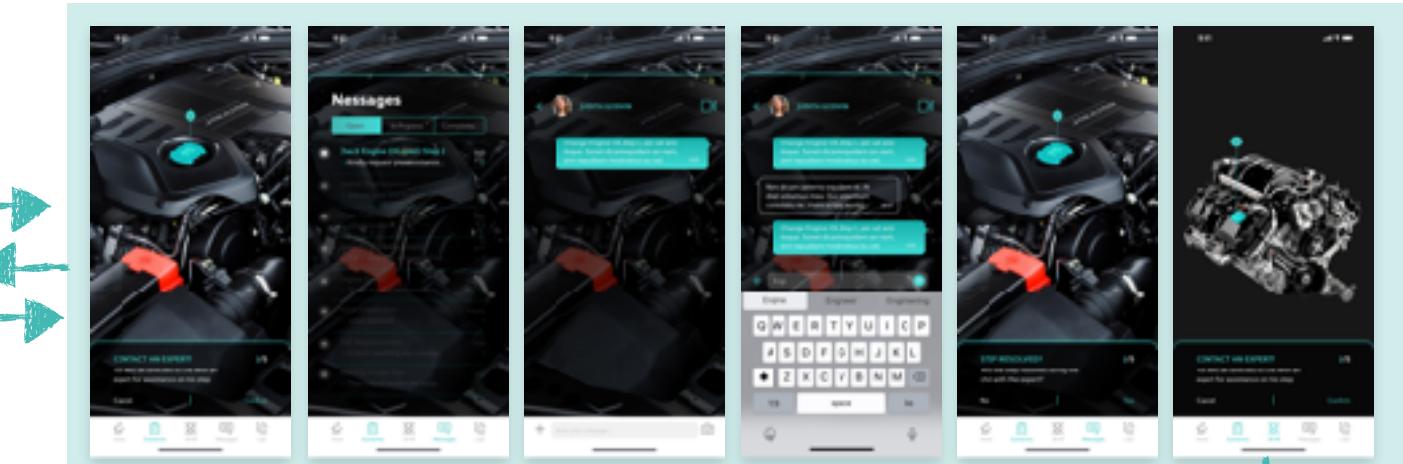
### TRACKING



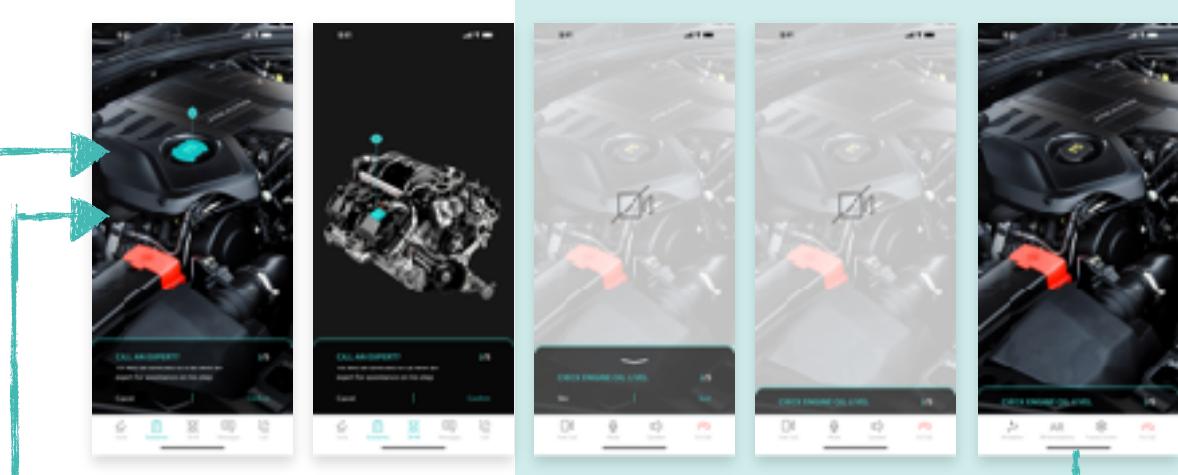
### STEP-BY-STEP



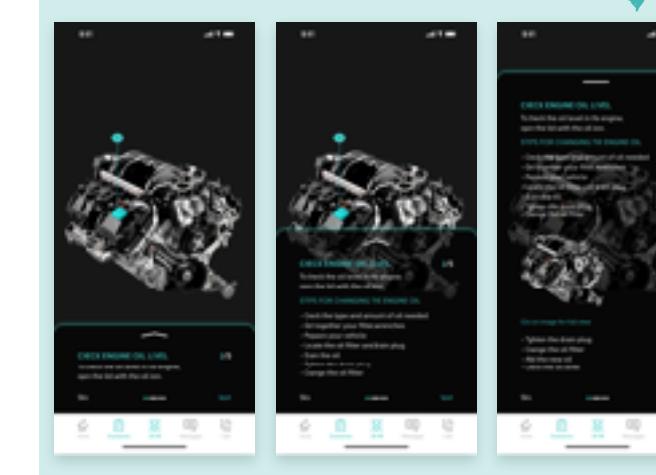
### CHAT



### AUDIO & VIDEO CALL



### 3D/VR MODE



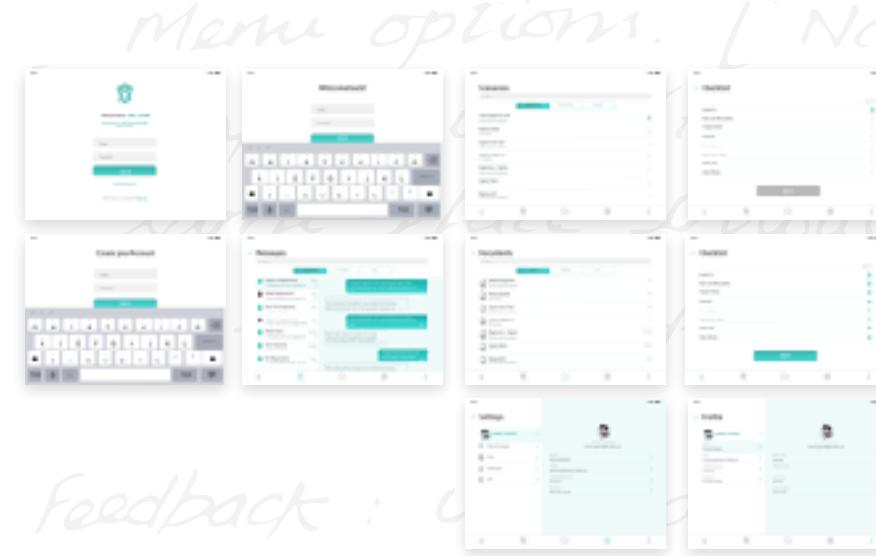
### ANNOTATIONS & AR ANNOTATIONS



## TABLET - iPAD - FINAL

- Filtered based idea for scenario
- (Flight booking)

### ONBOARDING



Feedback : 0

→ Steve & Macchi, Mortis:

- Make the number bigger
- Scenario's (change to scenario)
- Scenario is progress
- Add the video icon
- Feedback to show that tap was made to place the AR annotations
- ✗ Feedback on tracking
- ✗ Reset tracking option
- ✗ Guide the user for tracking.

Feedback : Gary

-  **Create Working Prototype**
-  **Cross Platform : Hololens ?**
-  **Test new prototype with existing clients**
-  **Get feedback from existing clients**
-  **Develop Business Model**

-  **Technology**
-  **Client Adaption**
-  **Pricing Model**
-  **Appropriate Use Cases**
-  **Scalability**

- 1** **Sense Intent** - Identify the relevance of the topic
- 2** **Know Context** - Detailed analysis of the existing products - Problems & Solutions
- 3** **Know People** - Jobs to be done - Pain Points - Identify users
- 4** **Frame Insights** - Examine existing products - Define user needs - Create concepts
- 5** **Explore Concepts** - Combine the UX of two products
- 6** **Frame Solutions** - Realise the UX & UI of new product - Importance of feedback
- 7** **Realise Offerings** - Limitations & Next Steps

Thank You !