How UXR and MRX uncovered the real users of an Al product



Ellen Kolstø Design Principal, IBM

Linkedin: ekolsto Twitter: @erkolsto



Ashwini Kamath
Sr Design Researcher, IBM

Linkedin: kamathashwini Twitter: @ash_kamath

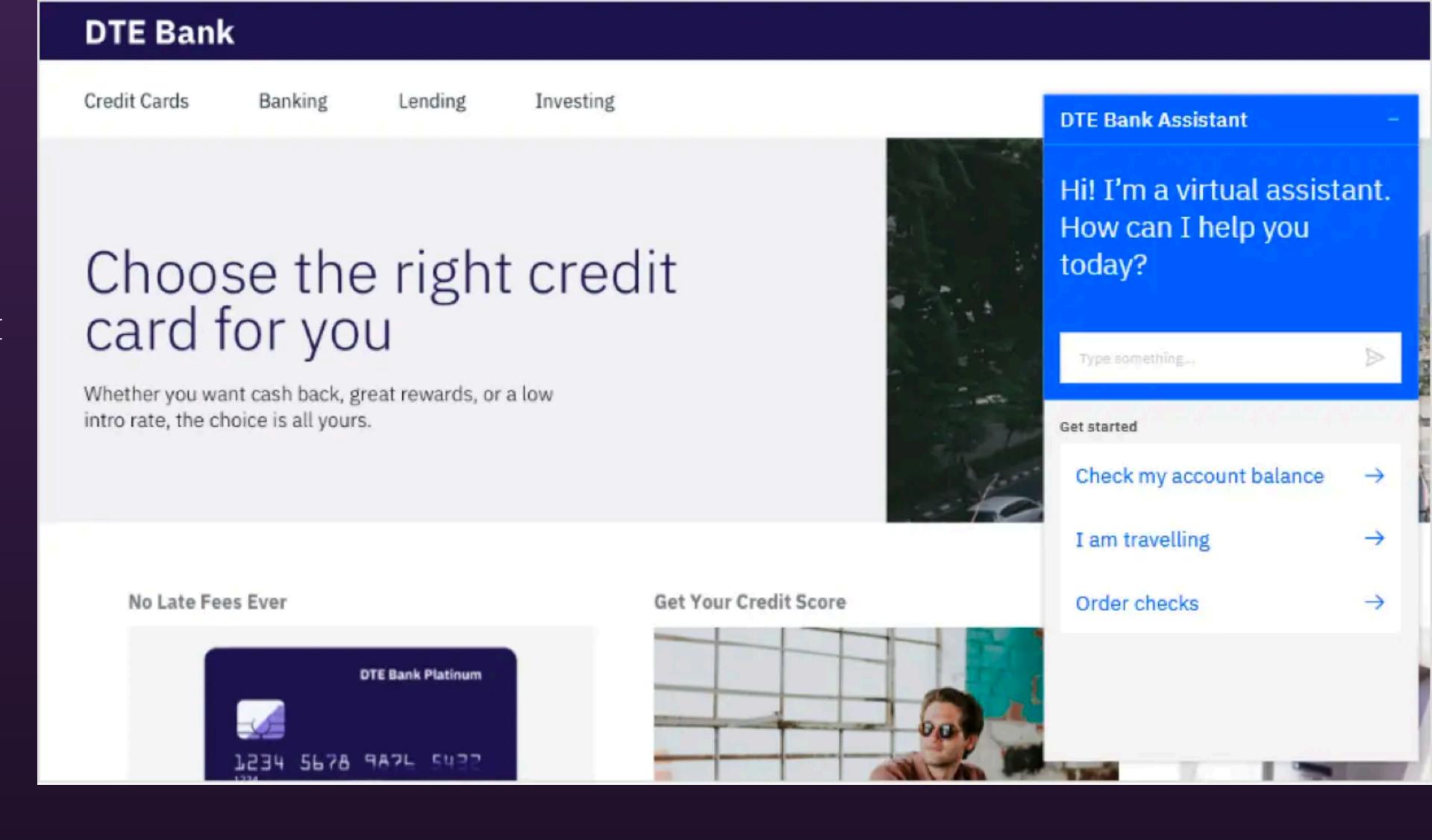
This is the story of UXR and MRX working together to define personas in an emerging domain

- Limited understanding of how organizations were building with AI, and who the key players were.
- Effective back and forth between UXR and MRX led to creating a better user experience.



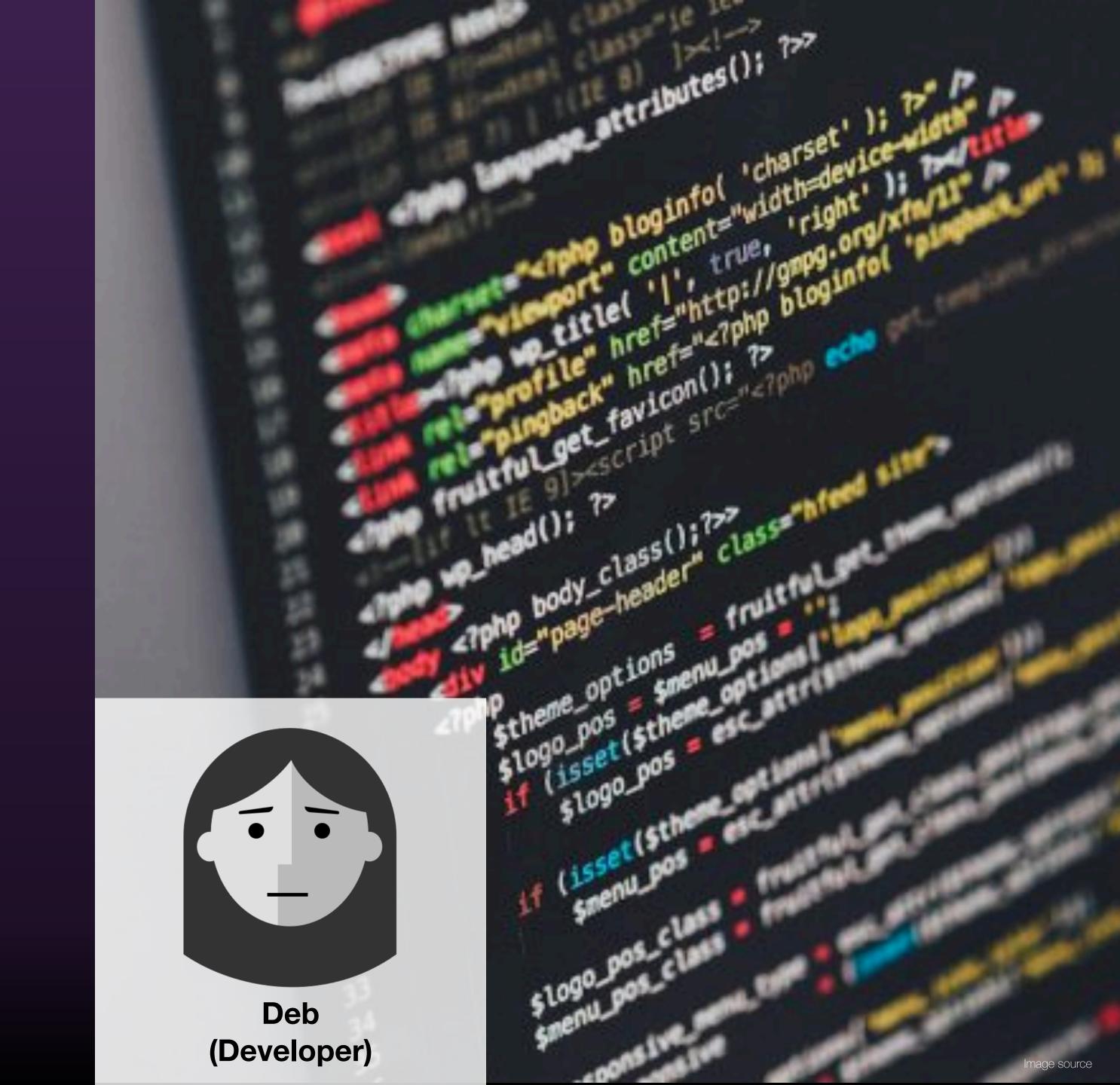
Meet IBM Watson Assistant





Who is our user?

- Market research defined technical roles as primary users.
- It wasn't clear if there were other players in the mix.



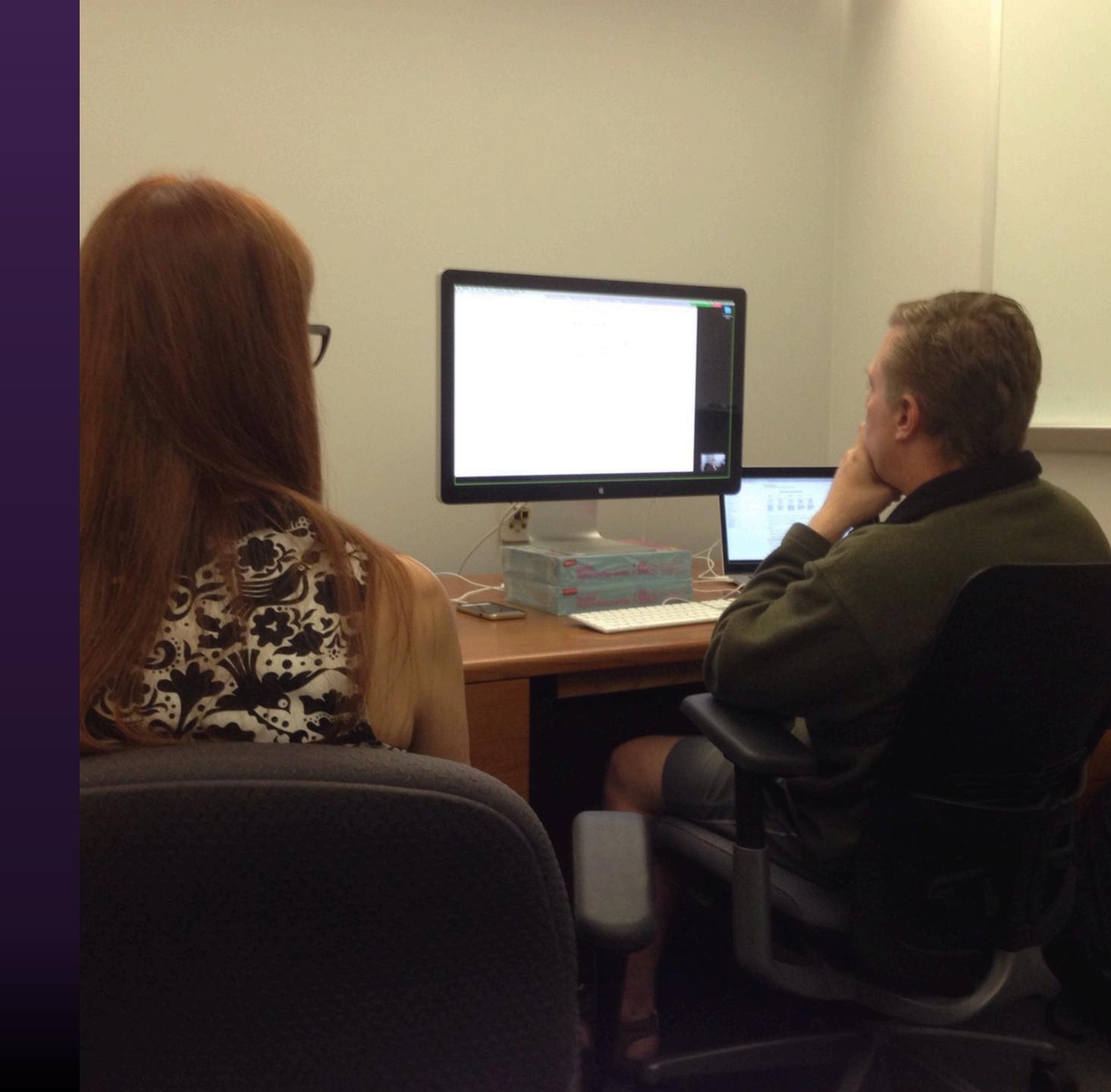
Using UX as a central point

- Who are the other players?
- Overall chatbot building workflow
- Attitudes and behaviors of key players
- Hand offs between the key players



Understanding team dynamics

- Picking up from where MRX left off, URX conducted ethnographic research for a deeper understanding of the users.
- We didn't know enough about *how* the technical user developed the chatbot.



Key Insights

What we learned

The chatbot builder is not only a developer

- People who have the most knowledge about the customer and the information they seek wear the hat of chatbot trainer.
- Brought into this role for their subject matter expertise.
- Typically, do not have development or coding skills.



It takes a village

- Different roles with varying skillsets jump in through the process.
 - Developer starts the process.
 - They bring in subject matter experts and data science.
 - Add on extended teams such as marketing, sales, legal etc.

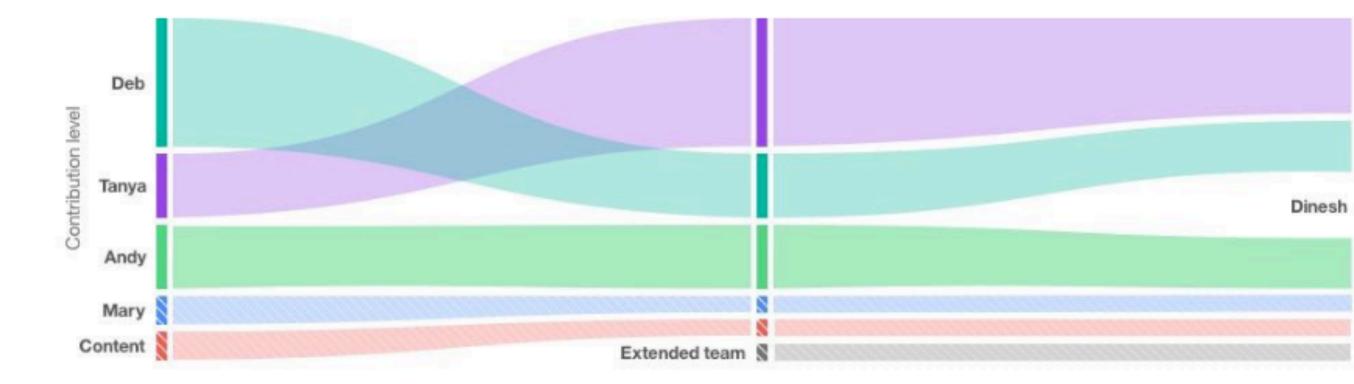
Conversational system development team evolution

1. New Project

A small team works on a vision and the build to demonstrate what a system can do for the business

2. Reality Check

The team discovers the need to design the conversation as well as the growing volume of data.



Deb

Works on workspace set-up/initial build/initial Conversational Design

Tanva

Works on inputing intents, entities and initial Conversational Design.

And

Works on workspace set-up/initial build/initial Conversational Design.

Mar

In start-ups & small companies, oversees the project as a future revenuegenerating initiative.

Content

(e.g. SMEs, BAs in customer service, product and/or marketing) They are consulting on system content.

Tanva

Becomes a key player as the driver of developing Conversational Design.

Deb

Continues to work on the build and conversational design but is consulting regularly with Tanya and extended team members on the business side.

Andy

Fills holes on the team as needed. May be working in a Tanya or Deb role.

Mary

In start-ups & small companies, continues to champion the project

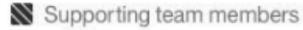
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Extended Team

The core team may start to tap into product, data science, marketing, other developers or UX on an as-needed basis

Key team members



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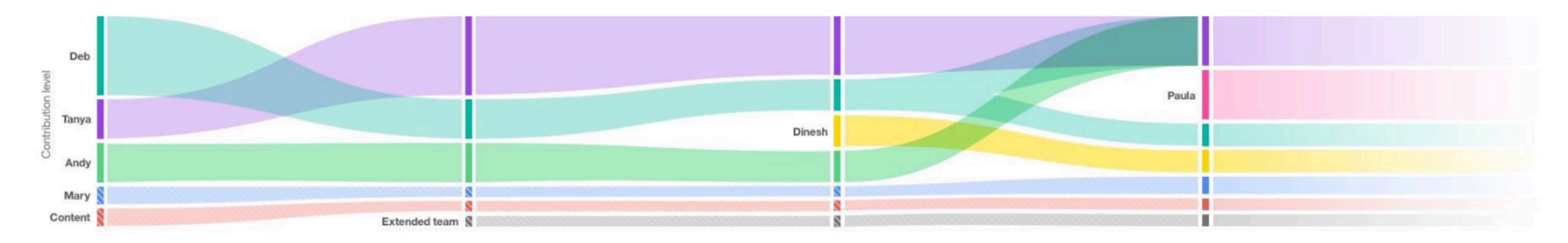
The team discovers the need to design the conversation as well as the growing volume of data.

3. POC Matures

As the team gets closer to a more built-out POC, and is preparing for a go/no-go decision.

4. Ramping up to Production

Approval means pressure to get moving faster and team gets much larger.



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Is a key player as the driver of developing Conversational Design.

Either becomes a Tanya or stays on the project in a traditional developer role for command line, integration, API calls and/or automation.

Dinesh

A data scientist or person with analytics experience comes on board to test models and consider how to measure performance.

Andy

At this stage will most likely become a Tanya based on his ability to learn new things.

In start-ups & small companies, continues to champion the project.

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Extended Team

The core team continues to work with product, data science, marketing, other developers or UX on an as-needed basis.

Now drives Conversational Design as well as coordinate with other departments to continue building/ maintaining the system strategy

Paula

Paula is given oversight for the project. She also coordinates with teams as well as reports on progress to Mary.

Deb

Stays on to handle traditional developer role for command line, integration, API calls and/or automation.

Dinesh

Heavily involved in measuring performance & testing flows.

In larger companies, Mary becomes a key stakeholder who will get regular updates. In smaller companies, she continues with project oversight.

Content

(e.g. SMEs, BAs in customer service, product and/or marketing) Are on the team a percentage of their time.

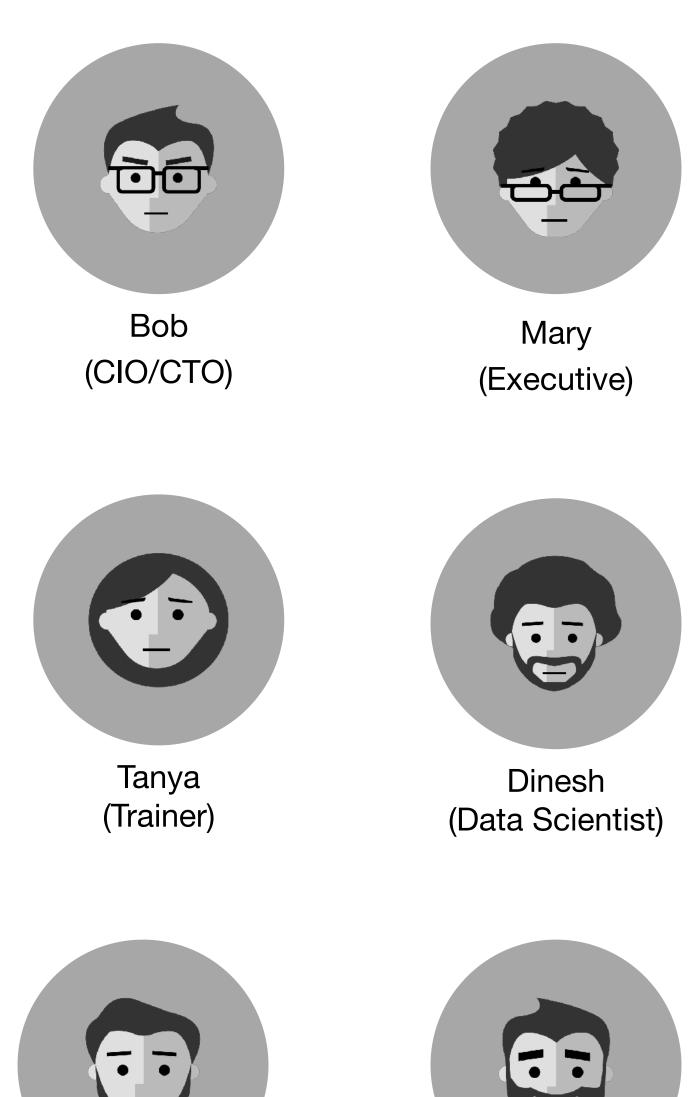
Extended Team

Are now on the team a certain percentage of their time. May include: Analytics, UX design, developers, LOB, etc.

Outcomes and Impact

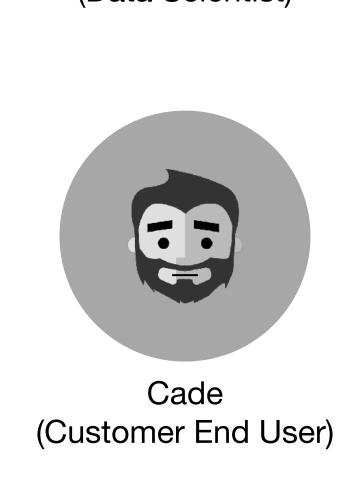
Defined 8 key personas

- Provided the team with a detailed understanding of the full team that was working to build chatbots.
- Outlined the personas' jobs to be done that our product functionality needed to address.
- Went from designing for a single person to designing for a team.
- Personas are integrated into the team's playbook.



Ernesto

(Employee End User)



Deb

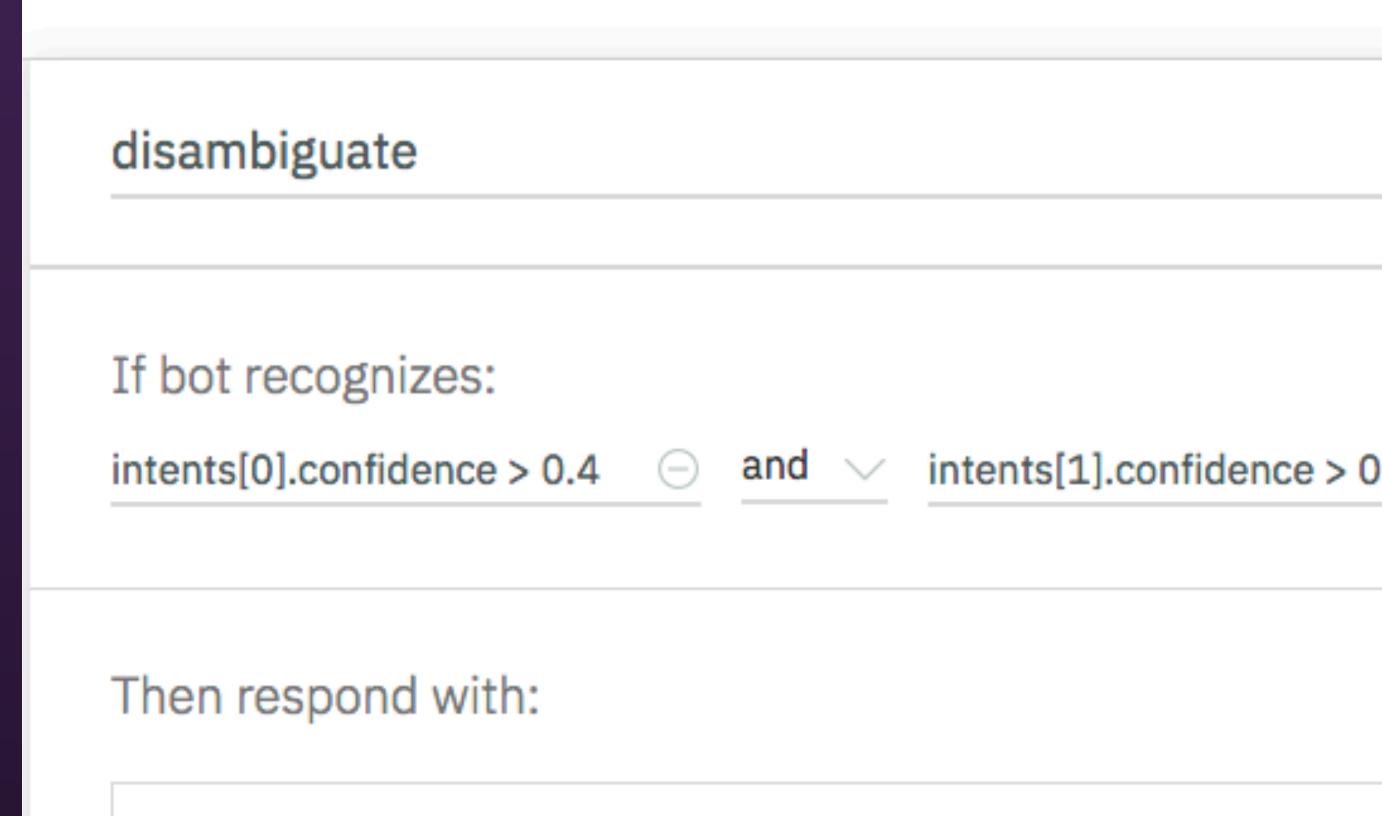
(Developer)

Paula

(Product Manager)

Product redesigned for a team of users that don't code

- Ul tailored to users with no prior development skills.
- Included a graphical user interface where no coding was required to build the chatbot.



Sorry, I can only handle one request at a time. Would you like to

Add a variation to this response

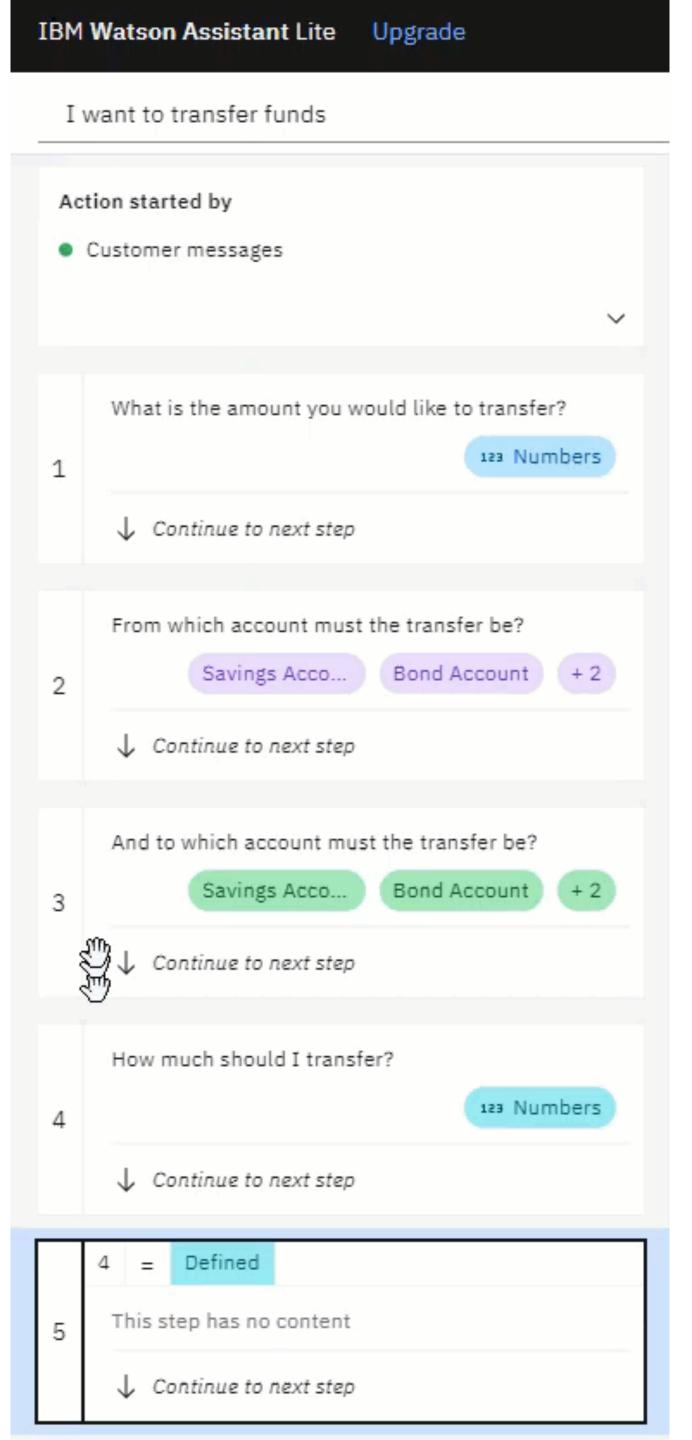
And finally

Wait for user input 💙



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Research insights influenced product roadmap

- Research insights influenced product OKRs and KPIs
- Product is being measured on how well the user experience enables users to meet their goals.

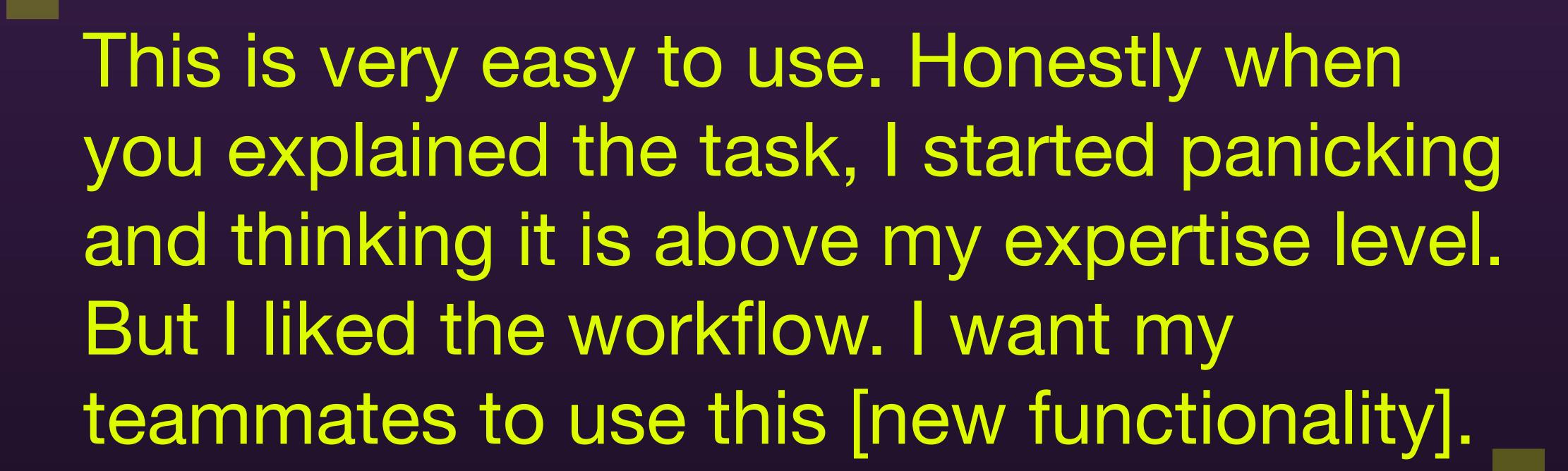


80% of users with no coding experience should be able to build a simple dialog in less than 30 minutes.

- Product business goal for 2020

Customer success!

The biggest win



- IBM Watson Assistant Customer

Use Experience success!

60% faster to build a chatbot!

UXR and MRX paved the path for product success

- MRX started by defining the developer
- UXR built on that and brought to light an entire team of users.



Thank you! Questions?



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