Compose input: A demonstration of text input and validation with Android compose.

WHO are we empathizing with?

Who is the person we want to understand?
What is the situation they are in?
What is their role in the situation?

Our primary goal is to understand the needs, preferences, and experiences of the individuals who will be using the text input and validation components within the application.

This understanding allows us to design and implement these components in a way that enhances the user experience and meets the expectations of the target audience.

The situation can be anything like: Data Entry, Form Submission, Authentication, Messaging, Search, E-Commerce, etc.

What do they need to DO?

What do they need to do differently?
What job(s) do they want or need to get done?
What decision(s) do they need to make?
How will we know they were successful?

Users may need to adapt their text input and validation behaviors, depending on the unique features and capabilities offered by Android Compose. This could include adjusting their typing habits, interaction with real-time validation feedback, or the choice of input methods.

Users might have various tasks and objectives they want to accomplish with Android Compose's text input and validation features. These could include:

- Efficiently filling out forms or submitting data.
- Sending messages or communicating with others.
- Searching for information or products.
- Making secure online transactions.

Users may need to decide whether Android Compose's text input and validation components meet their specific needs and preferences. This decision-making process could involve considerations such as:

- Ease of use.
- Improved productivity.
- Enhanced user experience.
- Security and data integrity.

What do they THINK and FEEL?

PAINS

What are their fears, frustrations, and anxieties?

Fears:

1. **Security Concerns:** Users may fear that their data is not secure during text input or validation, especially if they are entering sensitive information like passwords or payment details.
2. **Data Loss:** Users might fear losing their data due to errors in input or validation, such as an accidental deletion or loss of unsaved content.
3. **Learning Curve:** Users could fear that the new text input and validation system in Android Compose is too complex, and they may struggle to adapt.

Frustrations:

1. **Inefficient Validation:** Users may become frustrated if validation feedback is not clear or helpful, leading to repeated errors and corrections.
2. **Lack of Customization:** Frustrations can arise if users are unable to customize text input and validation settings to match their preferences and needs.
3. **Interference:** Users might get frustrated if they feel that text input and validation components are intrusive or interfere with their workflow.

Anxieties:

1. **Performance Anxiety:** Users may feel anxious about their typing speed and accuracy, especially in scenarios where fast and accurate text input is critical.
2. **Adaptation Anxiety:** Users might be anxious about adapting to a new system, worrying that they won't be able to use it efficiently or effectively.
3. **Decision Anxiety:** Users may experience anxiety about making the decision to switch to Android Compose for their text input and validation needs.

GAINS

What are their wants, needs, hopes, and dreams?

Wants:

1. **Efficiency:** Users want a text input and validation system that allows them to input information quickly and accurately without unnecessary delays or friction.
2. **User-Friendly Design:** They want a clean and intuitive design that makes text input and validation easy and enjoyable.
3. **Customization:** Users may want the ability to customize the text input and validation components to match their preferences, including keyboard layouts, input methods, and validation styles.

Hopes:

1. **Productivity:** Users hope that Android Compose's text input and validation features will increase their productivity, whether in work-related tasks or personal use.
2. **Seamless Integration:** They hope for seamless integration of text input and validation into the overall application experience, without disruptions or inconsistencies.

Dreams:

1. **Innovation:** Users may dream of innovative features that go beyond basic text input and validation, such as predictive text, voice recognition, or AI-driven enhancements.
2. **Empowerment:** They dream of feeling empowered and in control when interacting with the application, with text input and validation being a smooth and empowering process.

Needs:

1. **Accuracy:** Users need a system that provides accurate validation feedback to prevent errors and ensure the integrity of their data.
2. **Security:** They need assurance that their data is secure during text input and validation, especially for sensitive information like passwords or financial data.
3. **Guidance:** Users need clear and helpful guidance when validation errors occur, along with suggestions for correction.

What other thoughts and feelings might influence their behavior?

Thoughts:

- Ease to use
- Efficiency
- Trust
- Adaptation

Feelings:

- Frustration
- Confidence
- Satisfaction
- Anxiety
- Excitement
- Curiosity
- Skepticism

What do they SEE?

What do they see in the marketplace?
What do they see in their immediate environment?
What do they see others saying and doing?
What are they watching and reading?

- In the marketplace, users may see a wide range of applications and software solutions that offer text input and validation features. This includes not only competitors but also alternatives and substitutes for Android Compose.
- Users may see different pricing models, feature sets, and user reviews for similar products, which can influence their expectations and decisions.

- Users' immediate environment may include the physical spaces where they use the Android Compose application. They could see various devices, such as smartphones, tablets, laptops, or desktop computers, which affect their interaction with text input components.
- The environment may also include distractions or factors that impact their concentration and focus during text input and validation tasks.

- Users may be watching video tutorials, demonstrations, or reviews related to text input and validation components in applications, including Android Compose.
- They may be reading articles, blog posts, user guides, or documentation about text input and validation best practices and tips.

What do they HEAR?

What are they hearing others say?
What are they hearing from friends?
What are they hearing from colleagues?
What are they hearing second-hand?

Hearing from others say positive thing about the Android compose application. Hearing from the friends can give good recommendation about the app or they can give the warning about the issues with the app.

From colleagues might hear the efficiency from and reliability of the text input.
Hearing from the second hand will provide mix of opinions and feedback of the application.

What do they DO?

What do they do today?
What behavior have we observed?
What can we imagine them doing?

They might involve using traditional keyboard input, voice recognition, or touch based input.

Behavior we've observed that the typing speed and accuracy in keyboard input.
Engaging with real time validation.
Adapting their input behavior based on specific app.

We can imagine them doing exploring and experiencing the new text input and validation feature of app.
Providing feedback and suggestions based on their experience during demonstration.

What do they SAY?

What have we heard them say?
What can we magine them saying?

- Praise for user-friendly and efficient input and validation features.
- Frustrations with error messages or a lack of guidance during validation.
- Desires for improved accuracy or faster typing speeds.
- Requests for specific features or customization options.

- Positive feedback on the ease of use and efficiency of Android Composes text input and validation.
- Appreciation for helpful real-time validation feedback.
- Expressing their desire to switch to Android Compose for text input tasks.
- Making suggestions for further enhancements or customization options.
- Sharing their intention to recommend Android Compose to others.