

EXPERIMENT-5

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6. Use Figma to simulate a handoff scenario in a mobile network and visualize the process.

Aim: -To simulate a handoff scenario in a mobile network and visualize the process using Figma.

Procedure:

1. Open Figma
2. Create a new file
3. Select the Frames
4. Fill in the content that is required for presentation
5. Design Visual Elements
6. Make it Interactive
7. Add Annotations and Explanations
8. Incorporate Multimedia
9. Storyboard Animation
10. Review and edit the Prototype
11. Save and Share **Design:**



HANDOFF IN MOBILE NETWORK

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Handoff:

Design handoff is the process of handing over a finished design for implementation. It involves transferring a designer's intent, knowledge, and specifications for a design and can include visual elements, user flows, interaction, animation, copy, responsive breakpoints, accessibility, and data validations.

Execution:

Design handoff tools facilitate smoother transitions from design to development. These tools provide engineers with practical documentation, high-fidelity prototypes, and features to communicate and collaborate effectively.

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Why do we need handoff?

Mobile-Assisted handoff is generally used when a mobile phone helps a base station to transfer the call to another base station with better-improved connectivity and more signal strength. This handoff is used in TDMA technique-based GSM devices.

What is a handoff in UX?

The Design Handoff plays a vital role in UX projects, serving as a crucial step where designers transfer their work to the development team.

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Reasons for Handoff:

Handoff is necessary when a mobile device is moving out of the coverage area of the current cell or when the quality of the connection degrades. The goal is to maintain a reliable and uninterrupted connection.

Use styles to define the color, text and any effects applied to objects; or to define the structure and appearance of layout grids.

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Handoff metrics

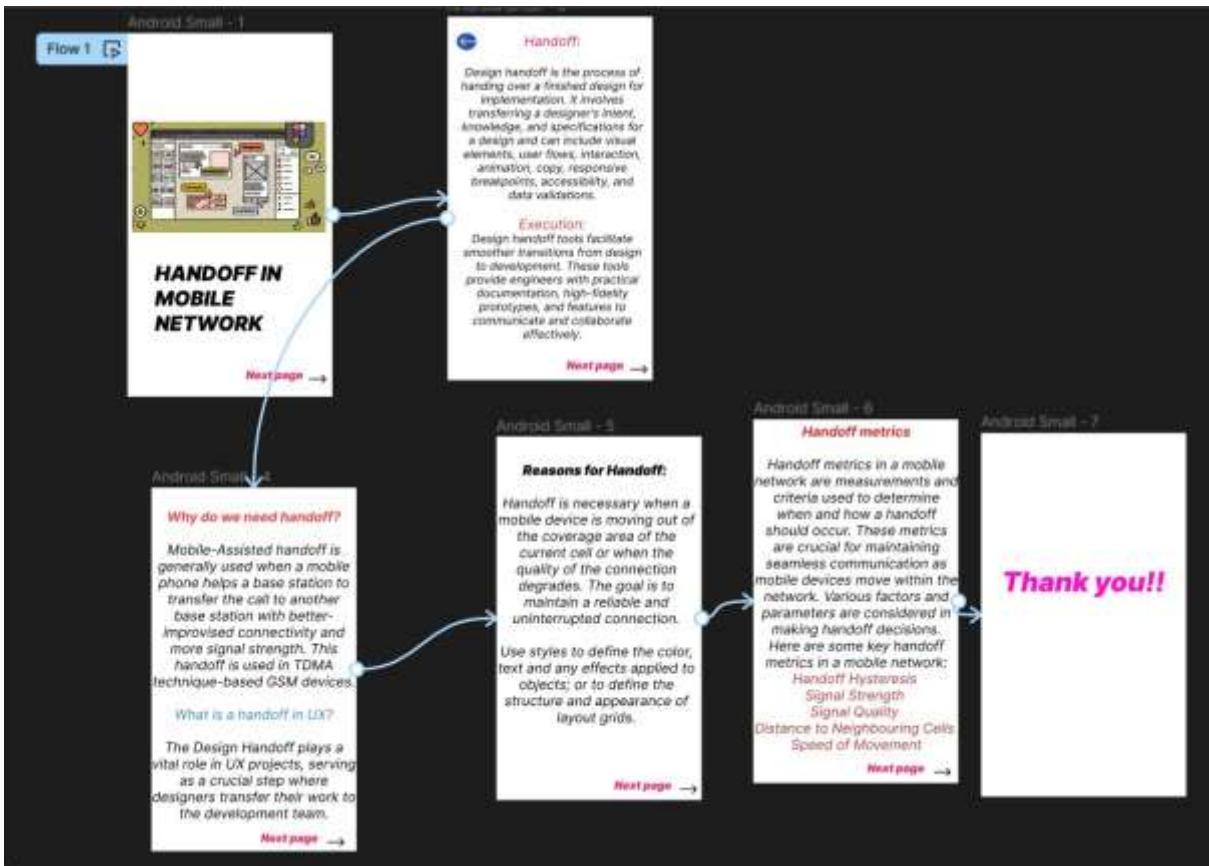
Handoff metrics in a mobile network are measurements and criteria used to determine when and how a handoff should occur. These metrics are crucial for maintaining seamless communication as mobile devices move within the network. Various factors and parameters are considered in making handoff decisions. Here are some key handoff metrics in a mobile network:

- Handoff Hysteresis
- Signal Strength
- Signal Quality
- Distance to Neighbouring Cells
- Speed of Movement

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Thank you!!

Prototype:



Result:

Hence the simulated a handoff scenario in a mobile network and visualized the process using Figma.