THOUHID.S

192421280

EXPERIMENT 8

ITA0305-Mobile Computing For App Development

8. Create an infographic in Figma explaining the concept of Public Land Mobile Network (PLMN).

Aim: To create an infographic in Figma explaining the concept of Public Land Mobile Network (PLMN).

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:**

Public Land Mobile Network (PLMN)

Public Land Mobile Network (PLMN)

A Public Land Mobile Network refers to the entire infrastructure and system that allows mobile devices (such as cell phones and tablets) to communicate wirelessly within a designated coverage area.

Components of PLMN

- Base Stations (Cell Towers): Transmit and receive signals to and from mobile devices within their coverage area.

- Mobile Switching Center (MSC): Manages the connection between mobile devices and facilitates call routing.

- Home Location Register (HLR): Stores subscriber information and handles tasks related to authentication and call routing.

- Visitor Location Register (VLR): Maintains temporary subscriber information for devices currently within the coverage area.

Cellular Structure:
- PLMN is often organized into cells, each served by a base station. The entire coverage area is divided into these cells, allowing for efficient use of frequency spectrum and accommodating a large number of users.

Coverage Areas:
- PLMNs cover a specific geographical area, and multiple PLMNs collectively provide extensive coverage, allowing users to communicate seamlessly while moving within the network.

Network Operators:

- PLMNs are operated by network operators, which can be telecommunication companies or service providers. These operators are responsible for the deployment, maintenance, and management of the network infrastructure.
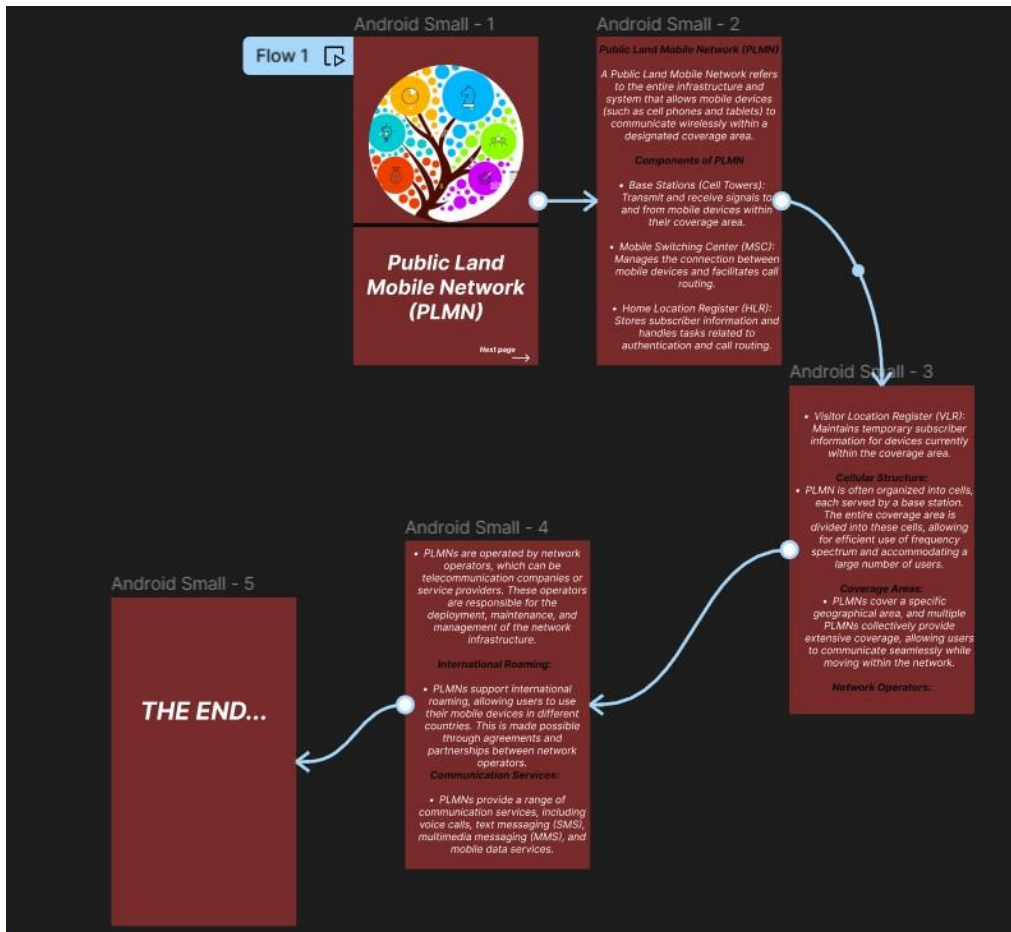
International Roaming:

- PLMNs support international roaming, allowing users to use their mobile devices in different countries. This is made possible through agreements and partnerships between network operators.

Communication Services:

- PLMNs provide a range of communication services, including voice calls, text messaging (SMS), multimedia messaging (MMS), and mobile data services.

THE END...

Prototype:

Result:

Hence created an infographic in Figma explaining the concept of Public Land Mobile Network (PLMN).