EXPERIMENT NO. 4 (Group A)

Aim: Designing a user interface for a recipe finder application, allowing users to search for recipes based on ingredients, categories, and dietary restrictions by using figma tool

Outcome: At end of this experiment, student will be able to design application using figma tool.

Software Requirement: IDE (e.g., Xcode or Android Studio), design tools (e.g., Figma or Adobe XD)

Theory :

Figma:

Figma is a popular cloud-based design and prototyping tool used by designers, UX/UI professionals, and product teams to create digital interfaces, user experiences, and interactive prototypes.

Cloud-Based Collaboration: Figma operates entirely in the cloud, which allows multiple users to collaborate on the same design project in real-time. This collaborative approach fosters teamwork and simplifies version control.

Cross-Platform: Figma is accessible on various platforms, including Windows, macOS, and web browsers. This makes it a versatile tool for designers using different operating systems.

Vector Editing: Figma provides a robust vector editor that enables users to create and edit vector-based graphics and illustrations. It supports common design elements like shapes, text, and images.

Interactive Prototyping: Designers can use Figma to create interactive prototypes by adding clickable links, transitions, and animations to simulate user interactions and demonstrate the flow of a digital product.

Components and Styles: Figma offers a system of components and styles that allows designers to create reusable design elements, ensuring consistency throughout a project. Changes to a component or style propagate automatically to all instances in a design, streamlining the design process.

Visual elements that can be implemented using Figma's Vector tool :-

Navigation and Menu:

Design the navigation menu or tabs that allow users to access different sections of the app, such as recipes, favorites, or settings.

Recipe Listing:

Create a layout for displaying recipe cards. Include elements like recipe names, images, and brief descriptions.

Consider how users can filter and sort the recipes.

Recipe Details Page:

Design a page where users can view detailed information about a selected recipe. Include ingredients, instructions, and cooking times.

Add buttons for actions like saving to favorites or sharing.

Search and Filters:

Design the search results page with filters and sorting options.

Create UI components for applying filters, such as dietary restrictions or cuisine types.

User Interactions:

Use Figma's interactive features to simulate user interactions. For example, you can create clickable prototypes to demonstrate how the app's features work.

Typography and Color Scheme: Define a typography style and color scheme that aligns with your app's branding and enhances readability.

Testing and Feedback:

Share your Figma prototype with potential users or team members for feedback.

Iterate on your design based on the feedback received.

Responsive Design:

Ensure your design is responsive, adapting to different screen sizes and orientations.

Features:

Create Artboards:

Start by creating an artboard for the recipe details page. You can do this by selecting the "Frame" tool in Figma and choosing the appropriate device or custom size for your design.

Header Section:

Design the header section, including the recipe name, a back button or navigation, and options for saving to favorites or sharing.

Instructions:

Design a section for step-by-step cooking instructions. Use numbered or bulleted lists to make it easy to follow.

Cooking Time and Servings:

Include information about cooking time and the number of servings the recipe yields.

Save to Favorites:

Design a button or icon that allows users to save the recipe to their favorites or recipe collection. You can use the Figma "Button" component for this.

Comments and Ratings:

Consider adding a section for user comments and ratings to provide social proof and feedback.

Related Recipes:

Optionally, you can include a section with related or similar recipes that users might find interesting.

Footer Navigation:

Design a footer that may include navigation to other parts of the app, such as the recipe listing, search, or user profile.

Interactivity:

Make elements interactive. For example, users should be able to click on the "Save to Favorites" button to save a recipe.

Typography and Styling:

Ensure consistent typography, colors, and styling throughout the page to maintain a cohesive design.

Conclusion: -