

CANARA ENGINEERING COLLEGE

(Affiliated to VTU Belagavi)

Sudhindra Nagar, Benjanapadavu, Bantwal Taluk, Mangalore–574219.

UIUX LAB MANUAL (BCGL606)

Course outcomes (Course Skill Set):

At the end of the course the student will be able to:

- Apply the basics of wireframing in designing apps and Websites.
- Make use of Figma for designing and prototyping UI/UX for different types of apps and Websites.
- Analyse user requirements and translate the requirements to design prototypes.
- Demonstrate the UI/UX concepts applied when designing the prototype of apps and Websites.
- Develop (redesign) the existing apps & Websites with customized design.

Experiments:

Sl.NO	Experiments (Designing and Prototyping using Figma)
NOTE: Wire frames can be hand-drawn and recorded by the students. Designing and Prototyping can be done using Figma.	
1	Chat App Redesign: Create a Wireframe and redesign any popular chat app.
2	Food App: Create a wireframe, Design and Prototype the UI Pages for the food application.
3	Social Media App: Create a wireframe, Design and Prototype social media photo sharing app.
4	Product Website: Design and prototype a product website page. Create web pages and rollovers for the web pages
5	Travel Agency Website: Create a wireframe, Design and prototype the UI for the website including design for Home Page with search bar, Activities page, Client Testimonial Page, Image Gallery
6	UI/UX Designer Portfolio Design: Create a wireframe, Design and prototype a UI for a portfolio including design for About page, Work showcase page, Blog page, contact page
7	Dashboard Design: Create a wireframe, Design and Prototype Dashboard UI page, add some Dashboard details, statistics and graphs, Add dropdown options for some dashboard details
8	E-Commerce Website: Create a wireframe, Design and prototype Web pages including product category pages (example: mobiles, gaming consoles, Speakers), product pages in each category, buynow page, add to cart page
9	Educational Website: Create a wireframe, Design and Prototype the UI for an educational website – Include a Homepage with footer, About Us Page, Programs page, Instructors page, Pricing page, Payments page with radial buttons. Design dropdowns for programs button
10	Music Player App: Create a wireframe, Design and prototype the pages with a background and a Rollover button, and Song selection Page with a Home Rollover button. The third page may include animated play and pause button, play music animation, timer animation.

Basic Figma tools - description

1. Move Tool (V)

- Used to select and move objects around the canvas
- Accessible from the top-left of the toolbar
- Can be activated using the shortcut key V

2. Frame Tool (F)

- Creates frames (artboards) to structure your design
- Found in the top toolbar next to the move tool
- Shortcut key is F

3. Rectangle Tool (R)

- Creates rectangular shapes for layout and design
- Located in the shape tools dropdown on the top toolbar
- Activated using the R key

4. Ellipse Tool (O)

- Used to draw circular and oval shapes
- Found in the shape tools dropdown
- Shortcut key is O

5. Line Tool (L)

- Draws straight lines for separators or graphics
- Found in the shape tools dropdown
- Shortcut key is L

6. Polygon Tool

- Creates polygons with adjustable sides
- Found under the shape tools dropdown
- Useful for icons and custom visuals

7. Star Tool

- Creates star-shaped objects
- Found in the shape tools dropdown
- Great for ratings and decorative icons

8. Text Tool (T)

- Adds text elements like headings and labels
- Located in the top toolbar
- Shortcut key is T

9. Pen Tool (P)

- Draws custom paths and vector shapes
- Found in the top toolbar
- Shortcut key is P

10. Move View / Hand Tool (H)

- Pans around the canvas without selecting elements
- Located in the top toolbar or accessed by holding spacebar
- Shortcut key is H

11. Zoom Tool (Z)

- Zooms in and out of your canvas
- Found in the top toolbar or with touchpad gestures
- Shortcut key is Z

12. Slice Tool (S)

- Creates slices for exportable assets
- Found in the shape tools dropdown
- Shortcut key is S

13. Selection Tool

- Selects individual points or vector nodes
- Used within vector and shape editing
- Accessed by pressing Enter while editing shapes

14. Eyedropper Tool

- Picks color from any object on the canvas
- Found in the color section of the right sidebar
- Shortcut key is I

15. Paint Bucket / Fill

- Applies color, gradients, or images to shapes
- Controlled via the right sidebar
- Supports solid, linear, radial, and angular gradients

16. Stroke

- Adds borders to shapes or text
- Configured in the right sidebar under Stroke
- Can customize thickness, style, and alignment

17. Effects (Shadow, Blur)

- Adds drop shadow, inner shadow, or blur
- Found in the right sidebar under Effects
- Useful for depth and emphasis

18. Constraints and Layout

- Controls how elements behave when resized
- Available in the right sidebar when a frame or object is selected
- Supports pinning, scaling, and responsive design

19. Prototype Tab

- Used to create interactive flows and transitions
- Found in the right sidebar next to the Design tab
- Drag connectors between frames to link interactions

20. Layers and Assets Panels

- Layers panel shows all objects in the left sidebar
- Assets panel contains components and libraries
- Toggle between them at the top-left corner of the interface

Commonly Used Figma Plugins

Unsplash

- Adds royalty-free stock images directly into designs
- Access through Resources icon → Plugins → Unsplash
- Ideal for banners, cards, and placeholders

Iconify

- Provides access to thousands of icons from different libraries
- Access via Plugins → Iconify → Search and insert
- Useful for UI elements like buttons, navs, and indicators

Content Reel

- Fills designs with sample text, avatars, numbers, and data
- Great for creating realistic prototypes
- Access from Plugins menu or install via Resources

Autoflow

- Automatically draws arrows between frames to show user flow
- Helpful for presenting navigation structure
- Simple plugin to improve design communication

1. Chat App Redesign: Create a Wireframe and redesign any popular chat app.

Feature Name: Message Scheduling

Overview:

Allows users to compose a message and set a future date and time for it to be sent automatically.

Problem:

Users forget to send time-sensitive messages and WhatsApp lacks built-in scheduling, forcing reliance on third-party apps.

Solution:

A schedule icon is added near the chat input field. Users tap it to pick a date and time. The message is saved under "Scheduled Messages" and sent automatically. Users can view, edit, or cancel it anytime before delivery.

Procedure

1. Create Frames

Click on the Frame icon in the bottom bar to create frames (artboards) to structure your design.

2. Select Device Layout

Choose the appropriate device layout for your design (e.g., mobile, tablet, desktop).

3. Design Header

Use the Shape tools to select a rectangle shape and create the header for your design.

4. Fill with Color

Fill the header and other elements with the paint bucket tool, selecting your preferred color.

5. Add Icons and Images

Use Iconify for icons and Unsplash for images (accessible via the Actions icon in the bottom bar) to add visual elements to your design.

6. Insert Text

Use the Text tool to fill in content like headings, labels, or descriptions.

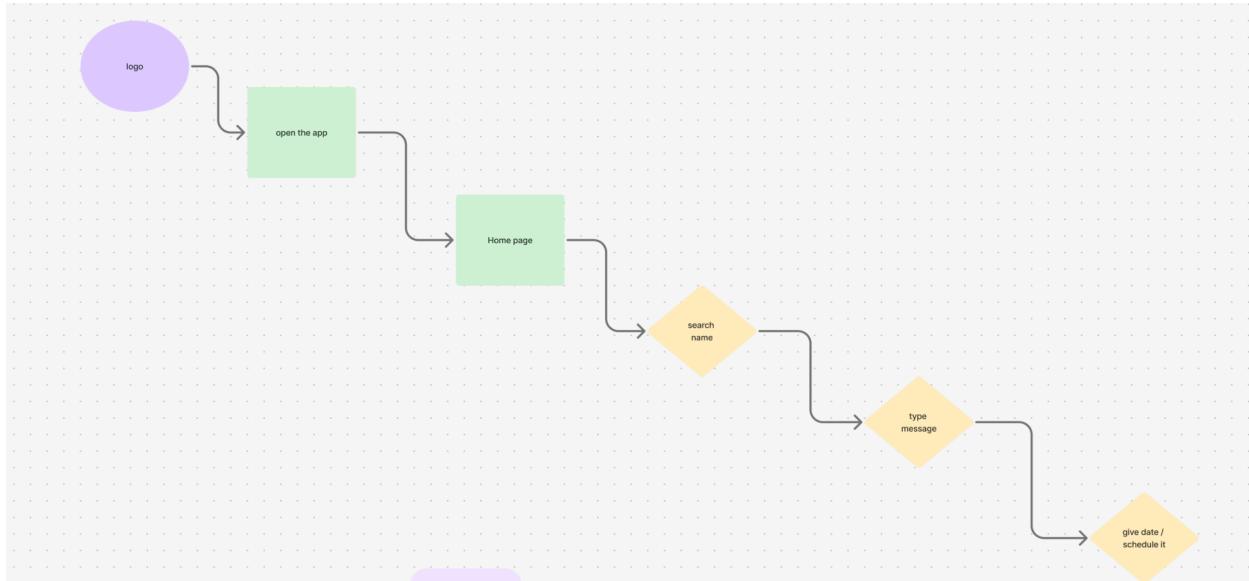
7. Apply Effects

To enhance the design, use the Effects tool (found in the right sidebar) to add drop shadows, inner shadows, or blurs to elements.

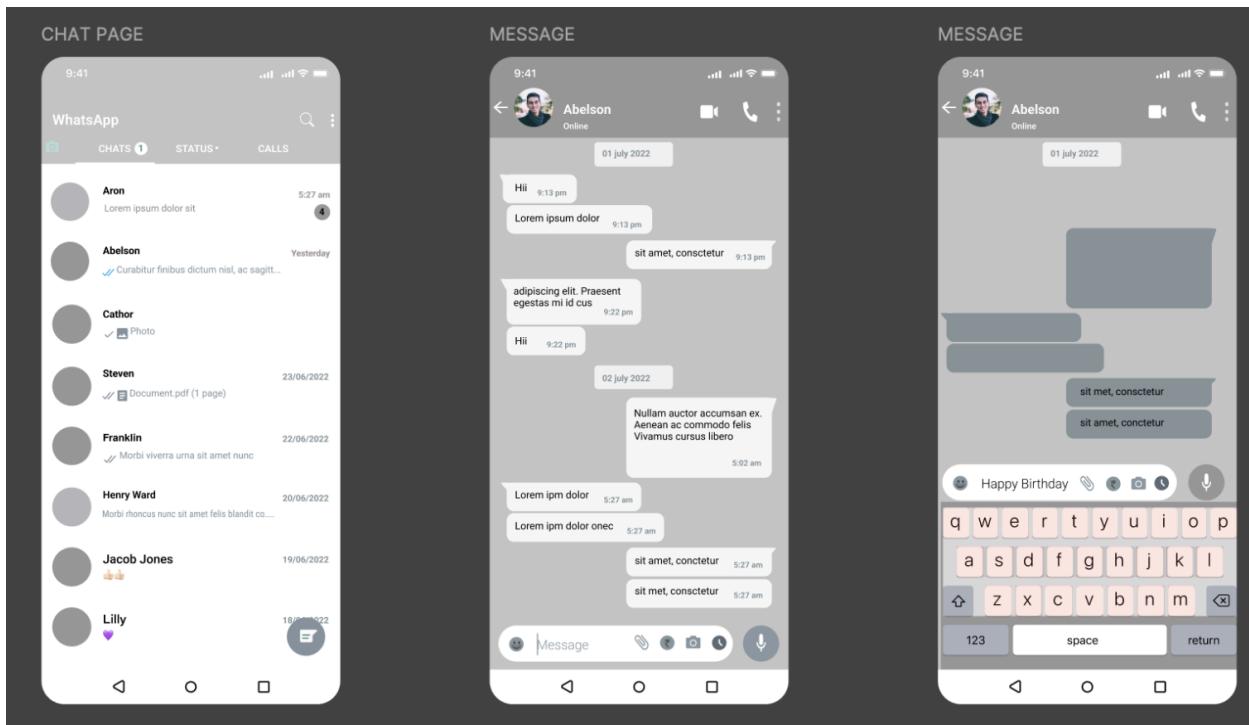
8. Prototype the Design

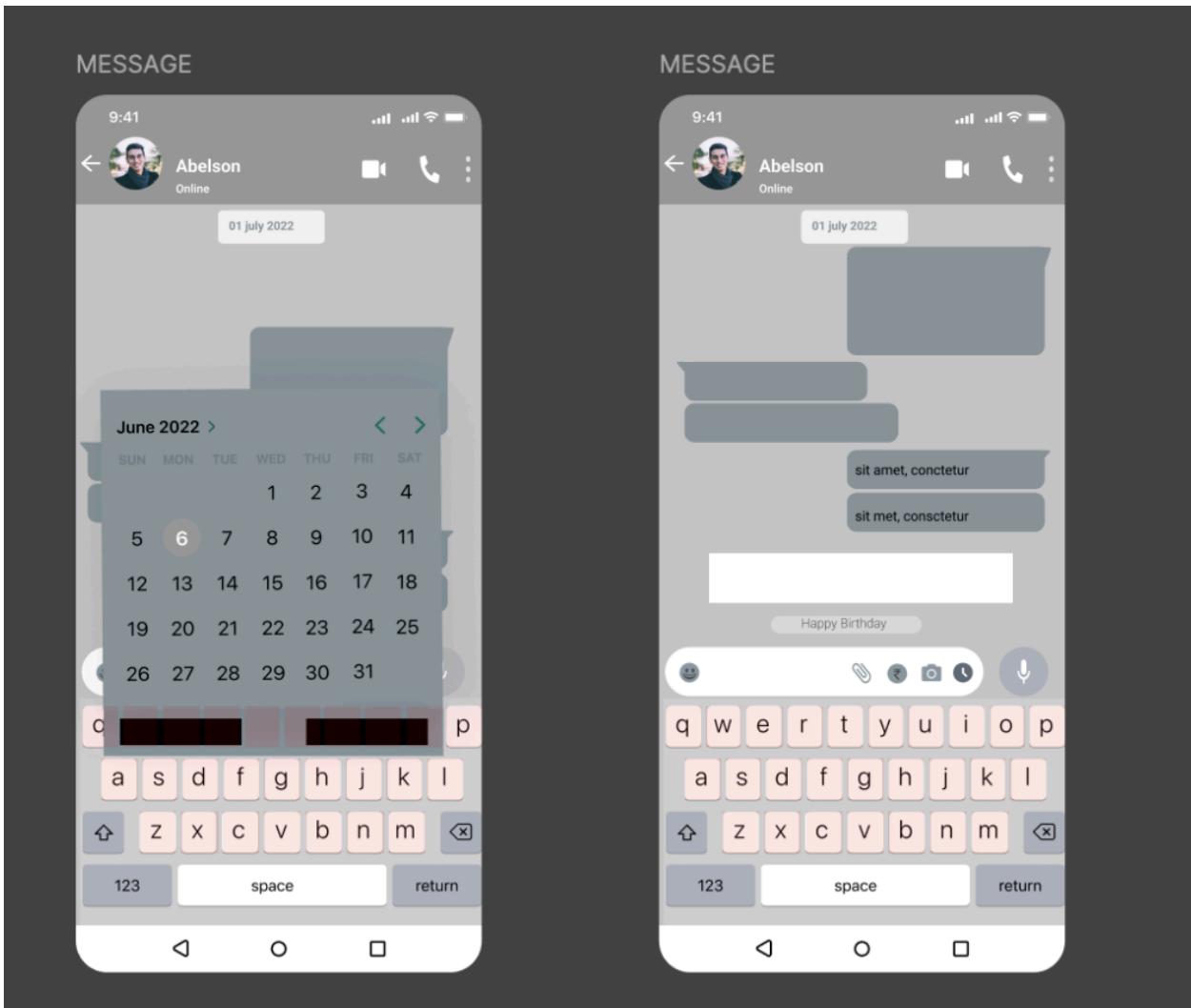
Once your frames are ready, use the Prototype tool to link the different screens and view the design flow.

Flowchart

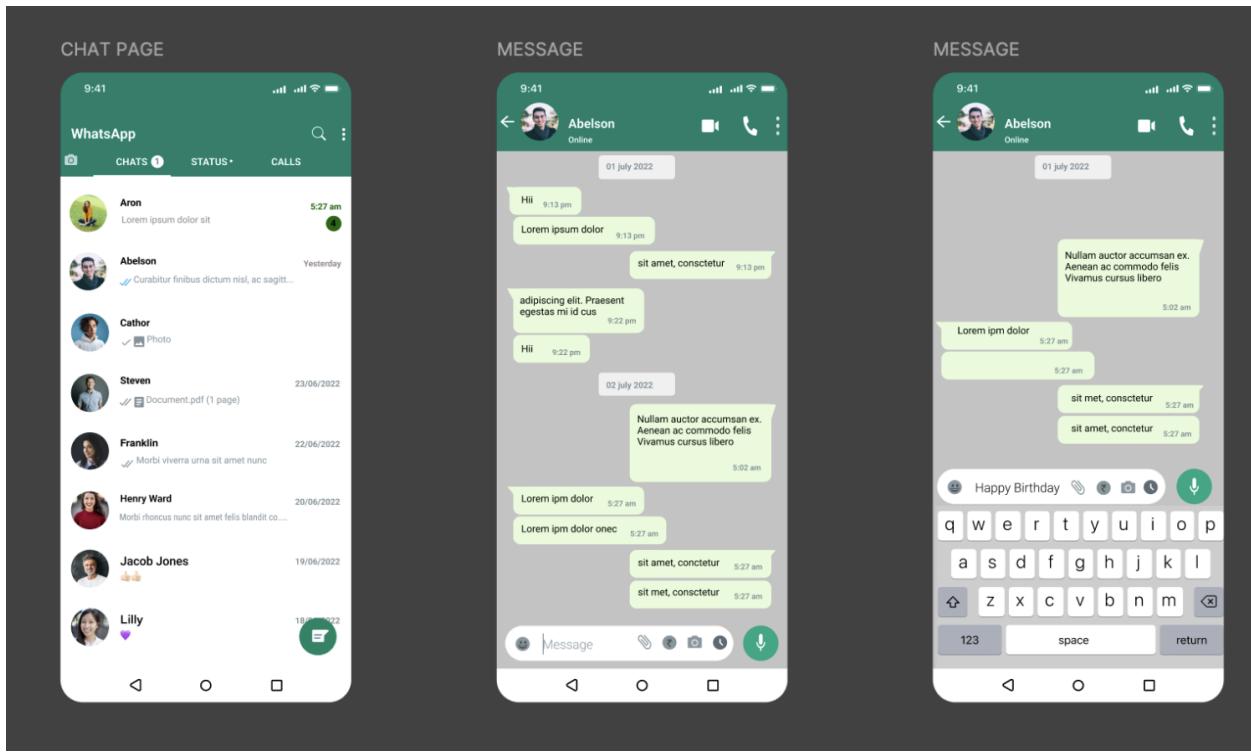


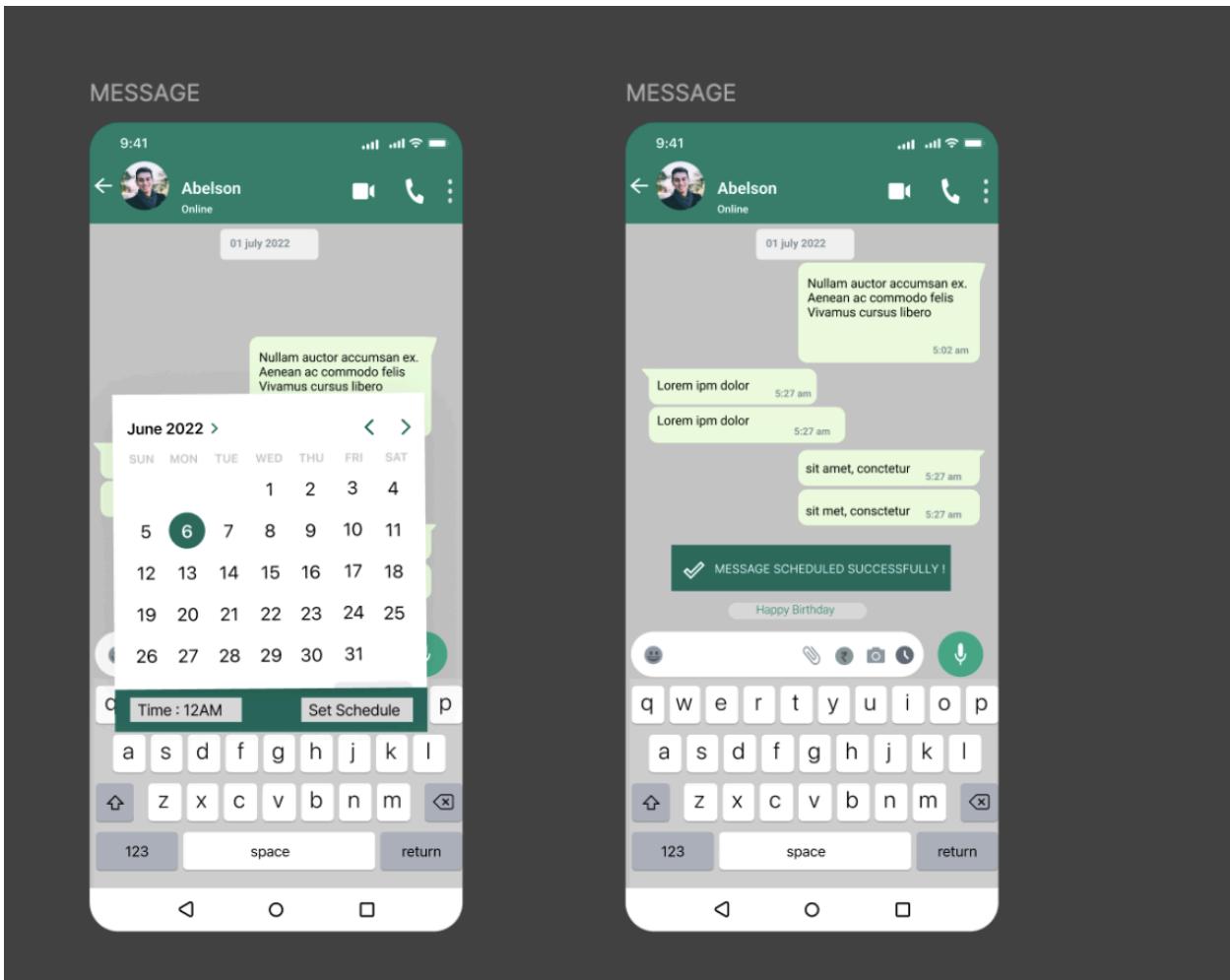
Wire frame:





Output:





2.Food App: Create a wireframe, Design and Prototype the UI Pages for the food application.

Overview:

A subtle alarm notifies users 10 minutes before their food arrives, helping them prepare and avoid last-minute rush or missed deliveries.

Problem:

Users often forget about their orders, miss delivery calls, or delay answering the door due to multitasking.

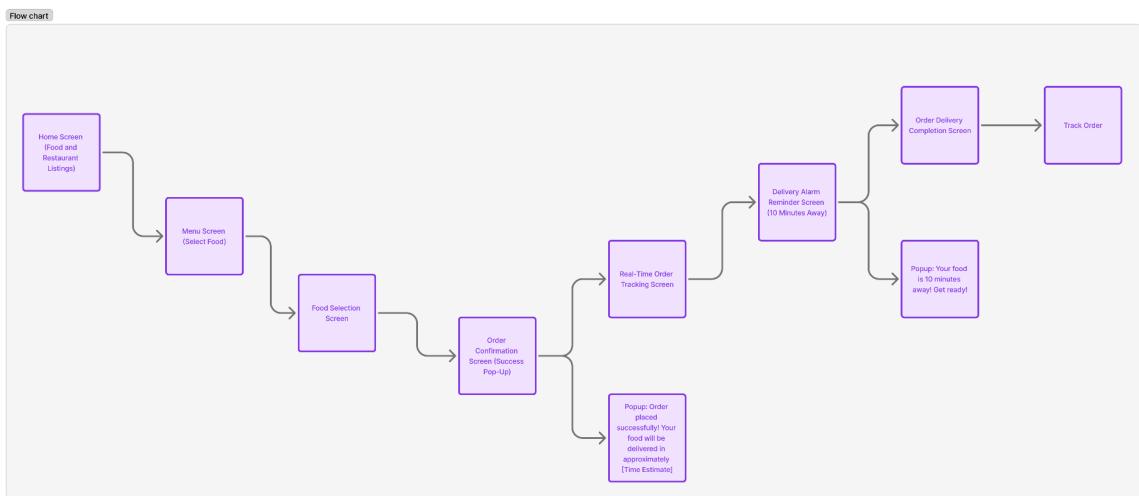
Solution:

A “Delivery Alarm” toggle on the final confirmation screen activates a gentle ringtone + vibration alert 10 minutes before arrival. The tone is subtle, customizable, and turned off. A first-time modal explains the feature.

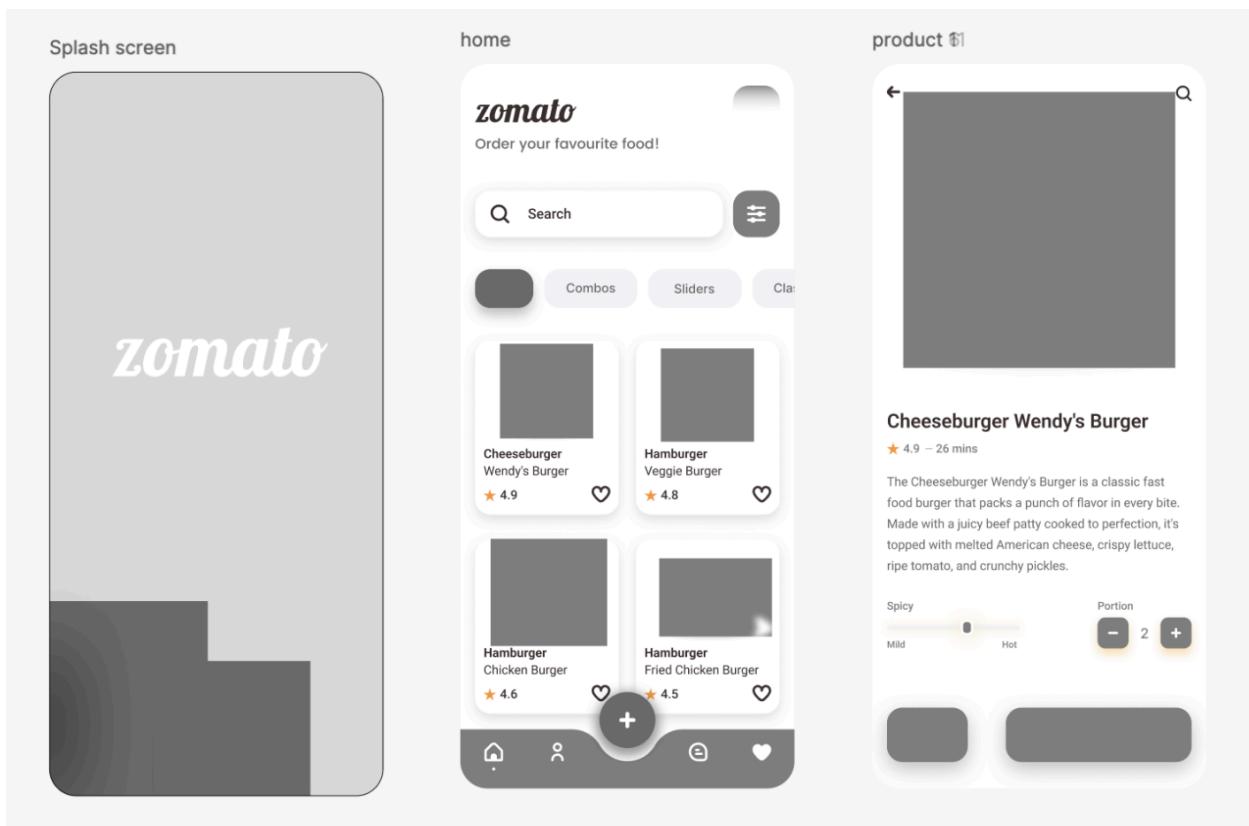
Procedure

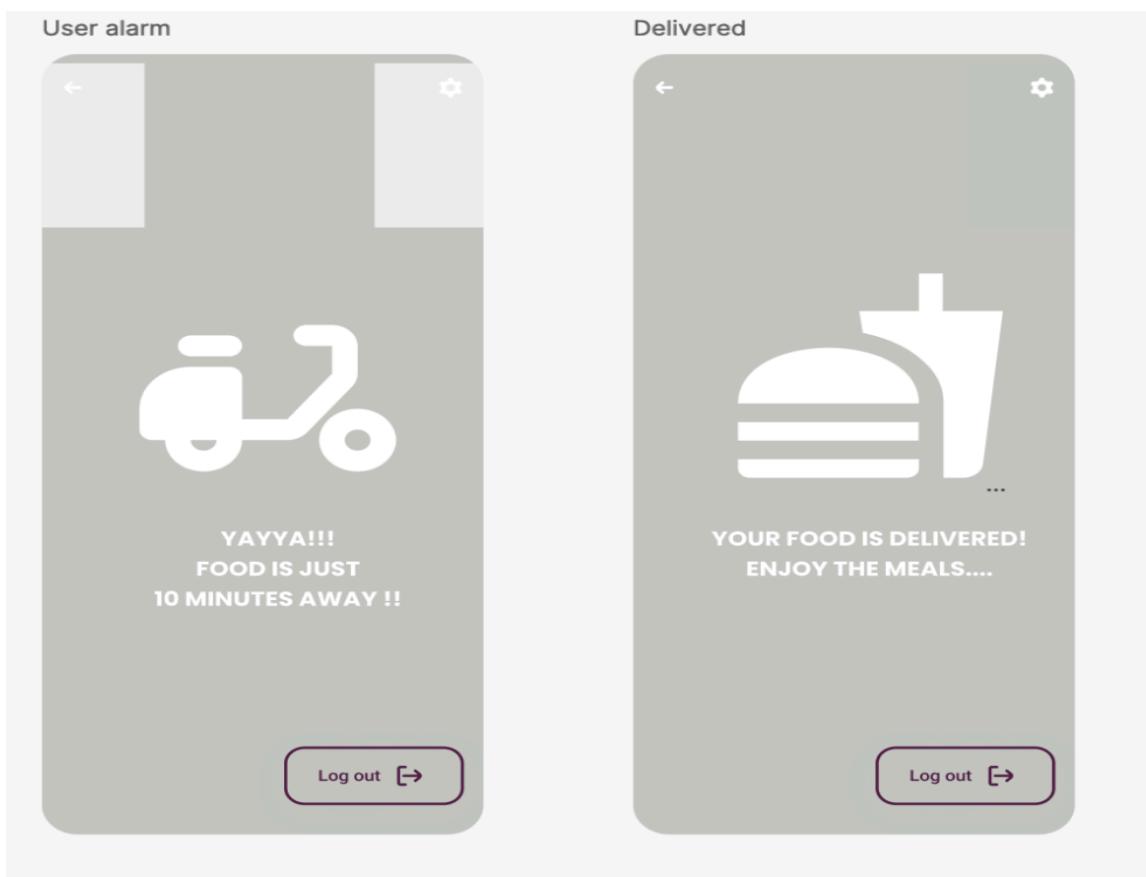
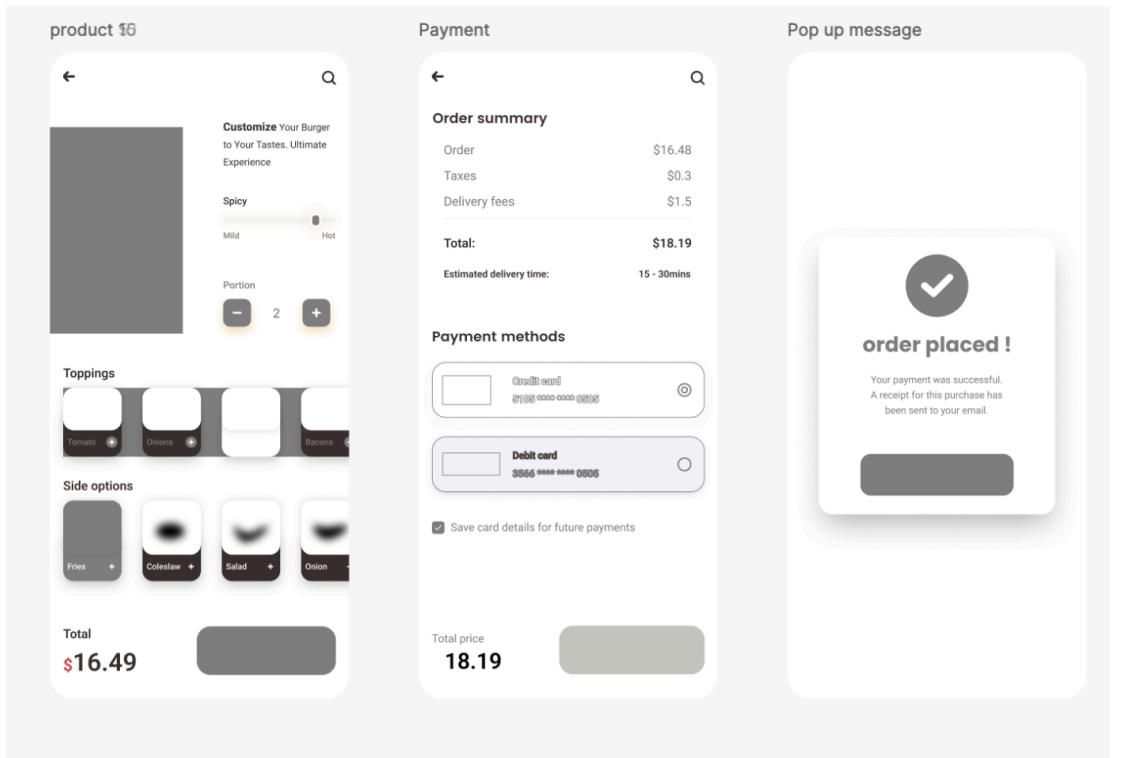
1. Create Frames
Click on the Frame icon in the bottom bar to create frames (artboards) to structure your food delivery app design.
2. Select Device Layout
Choose the device layout that suits the app design (e.g., mobile).
3. Design Header
Use the Shape tools to create a header for your app, which can include the app name or a logo.
4. Add Core Features
Design the core sections like the **menu**, **cart**, and **order summary**. For the 10-minute alarm feature, create an icon or button for users to set the alarm for order notifications.
5. Fill with Color
Use the paint bucket tool to add colors to the header, buttons, and other elements, matching your app’s theme.
6. Add Icons and Images
Use the **Iconify** plugin for icons (like for the alarm feature) and **Unsplash** for images like food pictures to enhance the visual design.
7. Insert Text
Use the Text tool to add labels, headings, descriptions, and the alarm time display (e.g., "Set 10-Minute Alert").
8. Prototype the Design
Link the frames using the **Prototype tool** to show the interaction between the app's order screen and the alarm feature.

Flowchart

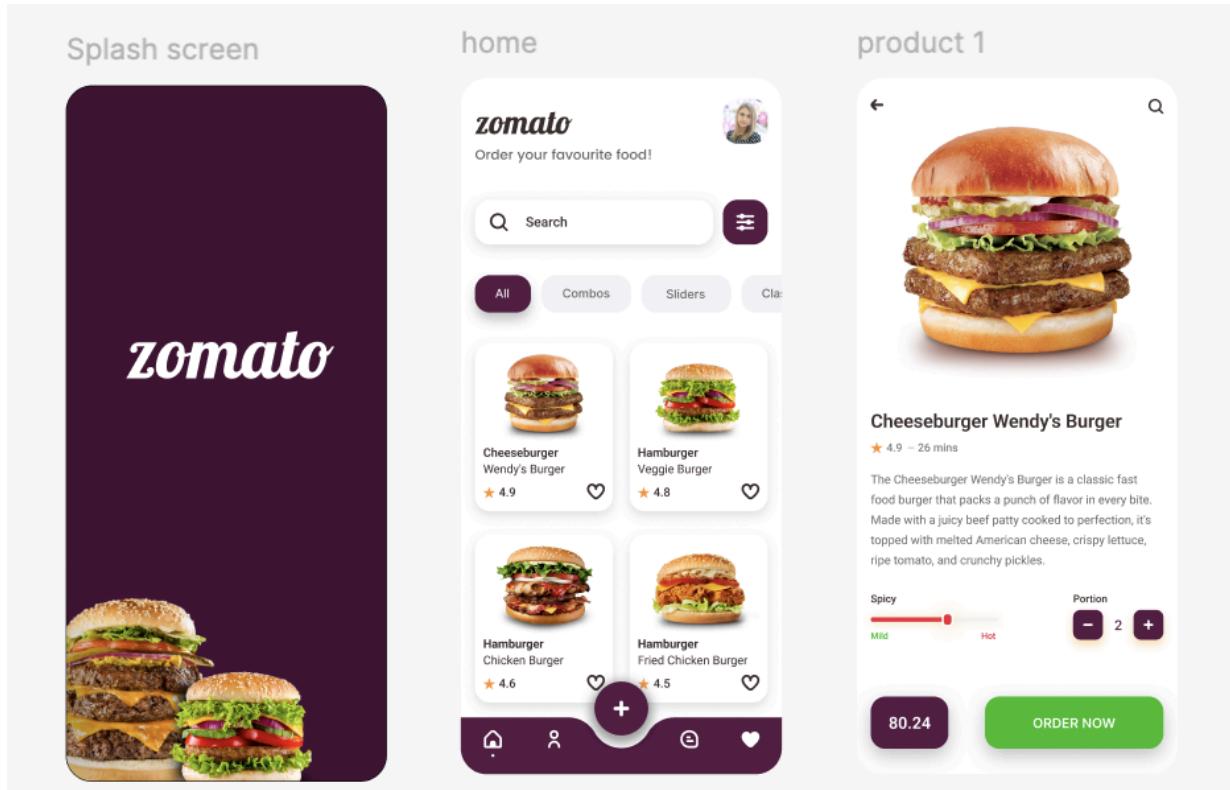


WIREFRAME





Prototype:



product 2



Hamburger Veggie Burger

★ 4.8 – 14 mins

Enjoy our delicious Hamburger Veggie Burger, made with a savory blend of fresh vegetables and herbs, topped with crisp lettuce, juicy tomatoes, and tangy pickles, all served on a soft, toasted bun.

Spicy: Mild Hot

Portion: 1

\$9.99

product 3



Hamburger Chicken Burger

★ 4.6 – 42 mins

Our chicken burger is a delicious and healthier alternative to traditional beef burgers, perfect for those looking for a lighter meal option. Try it today and experience the mouth-watering flavors of our Hamburger Chicken Burger!

Spicy: Mild Hot

Portion: 2

\$12.48

product 4



Fried Chicken Burger

★ 4.5 – 14 mins

Indulge in our crispy and savory Fried Chicken Burger, made with a juicy chicken patty, hand-breaded and deep-fried to perfection, served on a warm bun with lettuce, tomato, and a creamy sauce.

Spicy: Mild Hot

Portion: 4

\$26.99

product 5



Customize Your Burger
to Your Tastes. Ultimate Experience

Spicy: Mild Hot

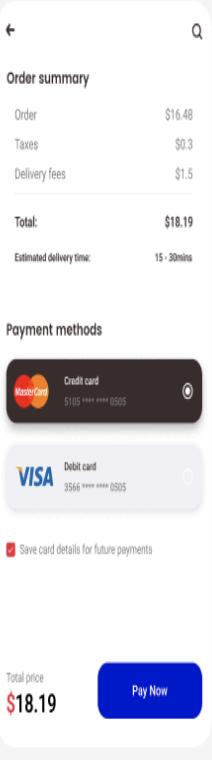
Portion: 2

Toppings:

Side options:

Total: \$16.49

Payment



Order summary

Order	\$16.48
Taxes	\$0.3
Delivery fees	\$1.5
Total:	\$18.19
Estimated delivery time:	15 - 30 mins

Payment methods

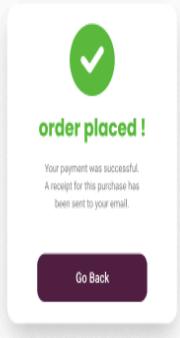
MasterCard Credit card \$103 **** 0505

VISA Debit card 3596 **** 0505

Save card details for future payments

Total price: \$18.19

Pop up message



order placed!
Your payment was successful.
A receipt for this purchase has been sent to your email.

User alarm



YAYYA!!!
FOOD IS JUST
10 MINUTES AWAY !!

Delivered



YOUR FOOD IS DELIVERED!
ENJOY THE MEALS....

3.Social Media App: Create a wireframe, Design and Prototype a social media photo sharing app

Overview: This experiment focuses on building an interactive design for a social media application that allows users to share photos, explore content, and communicate with others in a user-friendly environment.

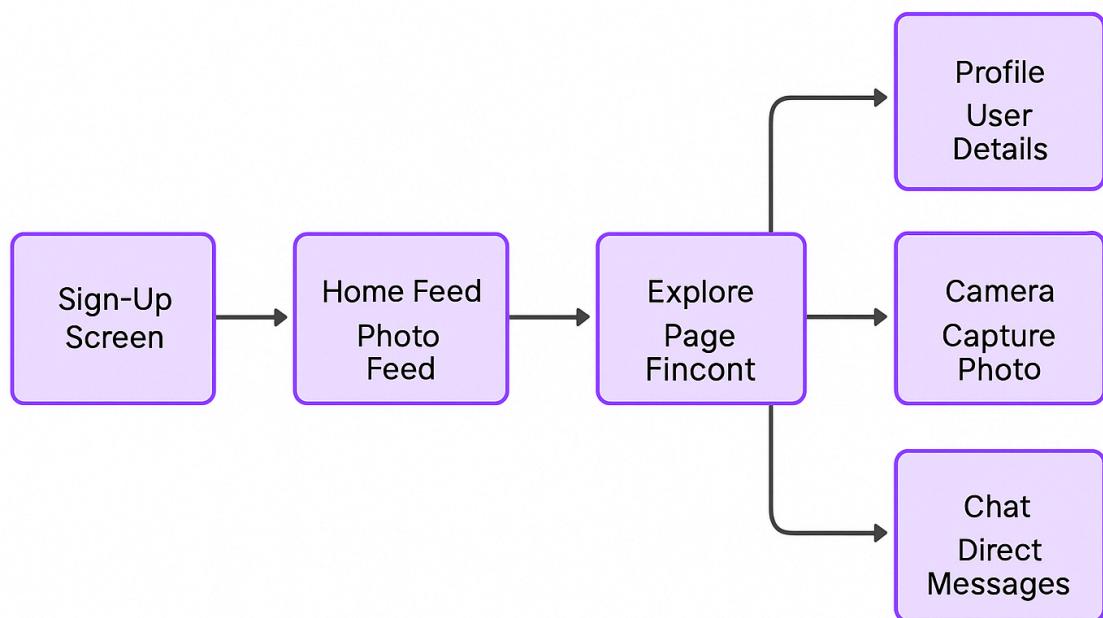
Problem: Users often find social media apps cluttered with too many features or complex navigation. This can make it hard to focus on core tasks like viewing content, chatting, or posting updates.

Solution: This design simplifies the user journey through clean layouts, intuitive navigation, and dedicated sections for core actions—such as camera access, chatting, and exploring new content. A bottom navigation bar ensures easy access across all pages.

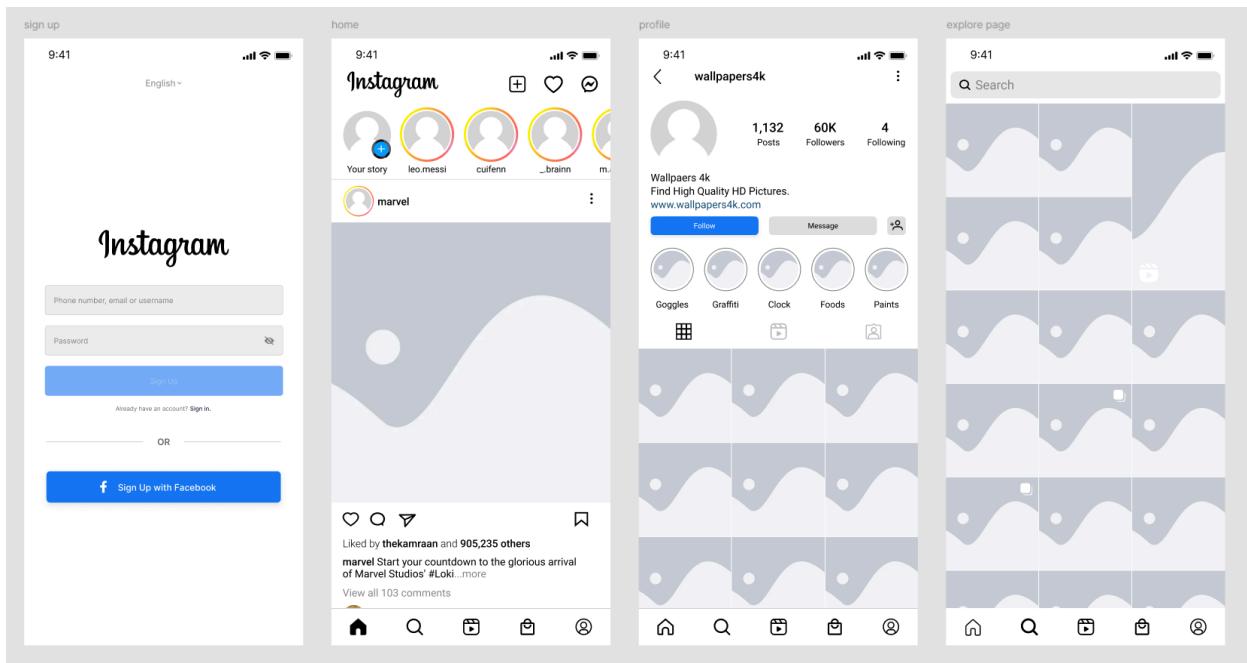
Procedure:

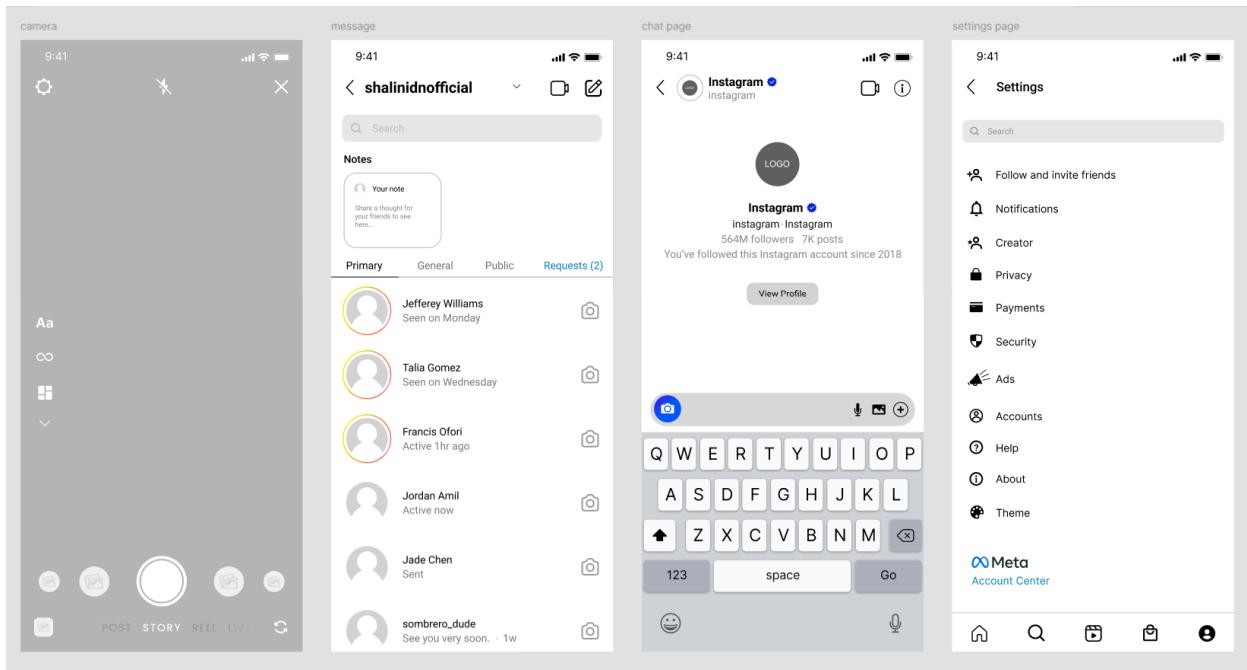
1. Create Frames : Frames were created for all major app sections: sign-up, home feed, profile, chat, explore, camera, and settings.
2. Select Device Layout: The mobile layout was selected to suit smartphones, the primary device for photo-sharing apps.
3. Design Header: Headers were designed with logos, usernames, and action icons such as notifications or settings.
4. Add Core Features: Core screens include image feeds, story views, direct messaging, user profiles, and a camera interface for creating new content.
5. Fill with Color: Minimalistic white and grey backgrounds were used with dark text for readability, keeping the UI clean and modern.
6. Add Icons and Images: Icons from the Iconify plugin were used for navigation and actions. Sample photos were used in feeds, stories, and explore sections to enhance the visual appeal.
7. Insert Text: Text tools were used for user names, captions, messages, follower counts, and setting labels.
8. Prototype the Design: All screens were linked using the Prototype tool to show interaction flows between login, feed, chats, camera, and user profiles.

Flowchart:

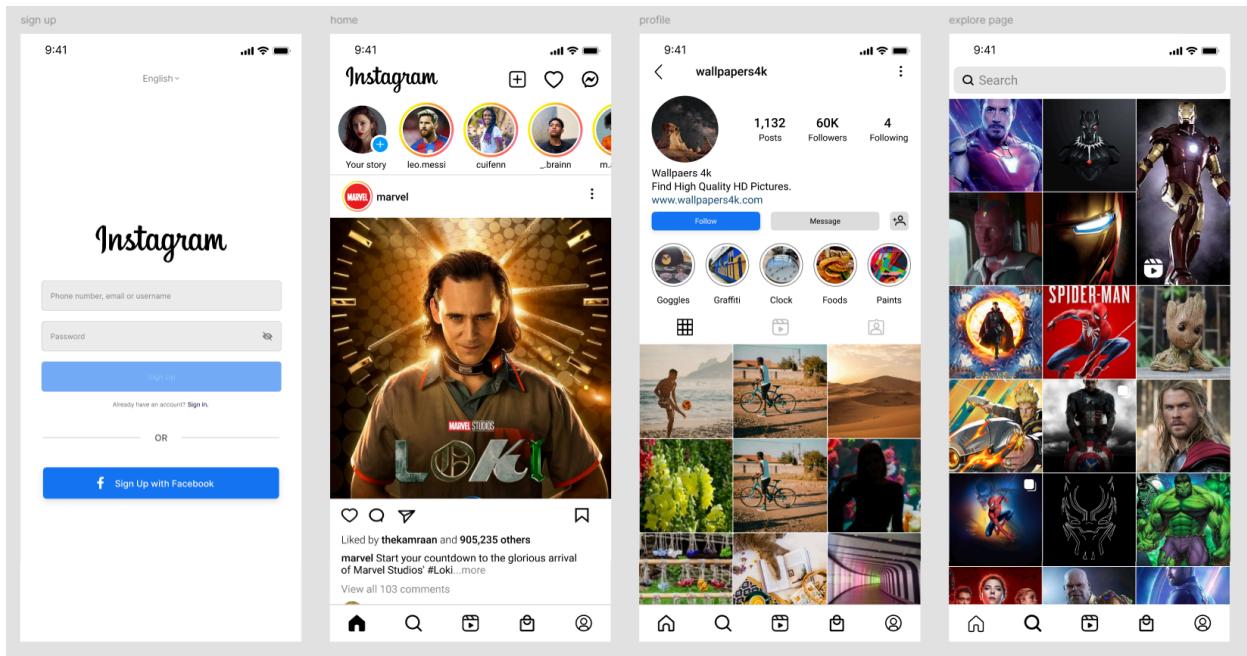


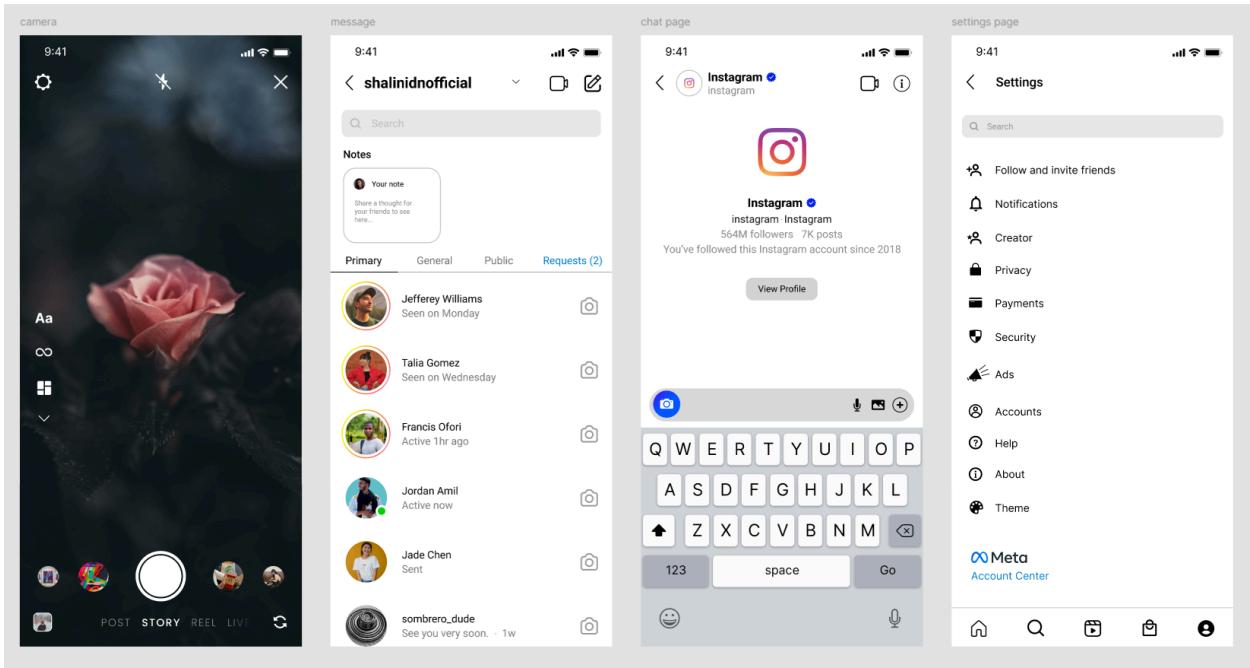
Wireframe:





Design:





4. Product Website: Design and prototype a product website page. Create web pages and rollovers for the web pages

Overview: A sleek and modern product landing page was designed to highlight key offerings of a smartphone product line. The prototype replicates a real-world brand website, emphasizing intuitive navigation, hover-based rollovers, and section-based content display for a seamless user experience.

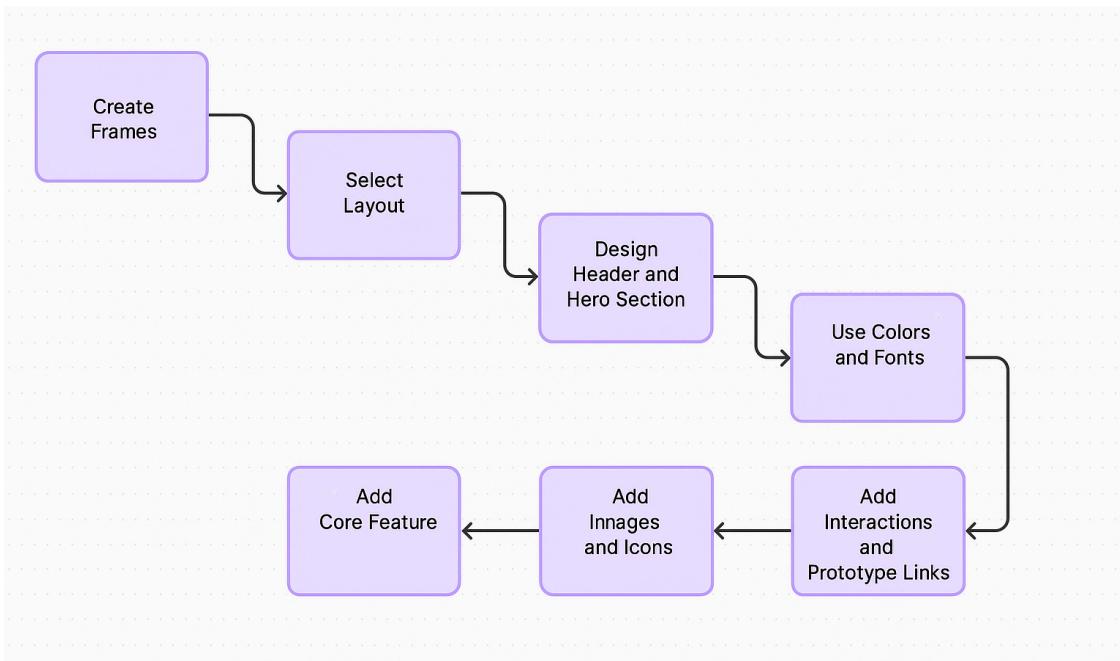
Problem: Users often find product websites cluttered or confusing, which makes it hard to quickly find specific product details or explore variations in a structured format.

Solution: The design implements a structured homepage that opens with a full-width hero image of the flagship product (Galaxy S23 Ultra), followed by curated sections like "This Month's Picks" and "Mobile" categories. Interactive rollovers highlight featured content and provide direct access to product pages, while minimalist layout and hover effects maintain user focus.

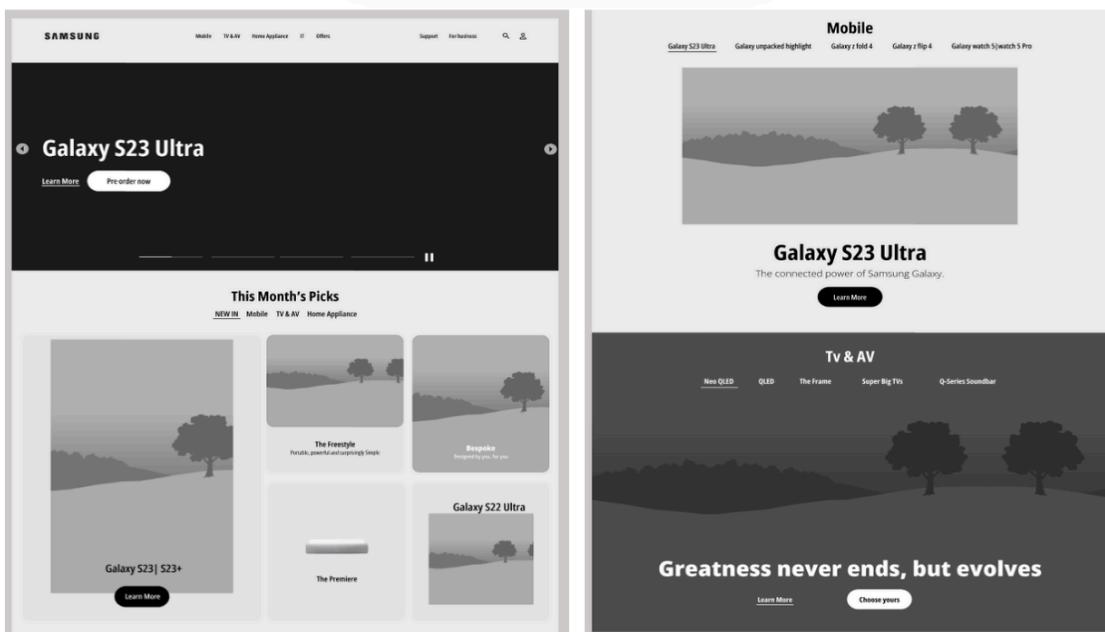
Procedure:

1. **Create Frames:** Frames were created for each web section including header, product highlights, and categories to maintain hierarchy and consistency.
2. **Select Layout:** A desktop layout was used to prototype a full-width responsive design mimicking actual product websites.
3. **Design Header and Hero Section:** A fixed header includes brand logo, navigation, and search. A high resolution product hero banner sits prominently at the top with CTA buttons.
4. **Add Core Features:** Key product sections such as "This Month's Picks" and "Mobile" were created. Cards with images and hover effects were added to showcase featured items and variations.
5. **Use Colors and Fonts:** A clean black, white, and grey palette was maintained to give a professional, tech-focused aesthetic, complemented by modern sans serif fonts.
6. **Insert Images and Icons:** High-quality images of products were embedded, with iconography and image-based rollovers added for interactivity.
7. **Add Interactions and Prototype Links:** Hover states were created using prototype features to simulate rollovers. Links connect key sections to simulate a fully navigable experience.

Flowchart:



Wireframe:



Design:

5.Travel Agency Website: Create a wireframe, Design and prototype the UI for the website including design for Home Page with search bar, Activities page, Client Testimonial Page, Image Gallery

Overview:

Helps users explore and plan trips by region with curated destination cards, travel guides, and visuals—making travel decisions easier and more inspiring.

Problem:

Users feel overwhelmed browsing scattered travel information across platforms, making it hard to compare and choose destinations.

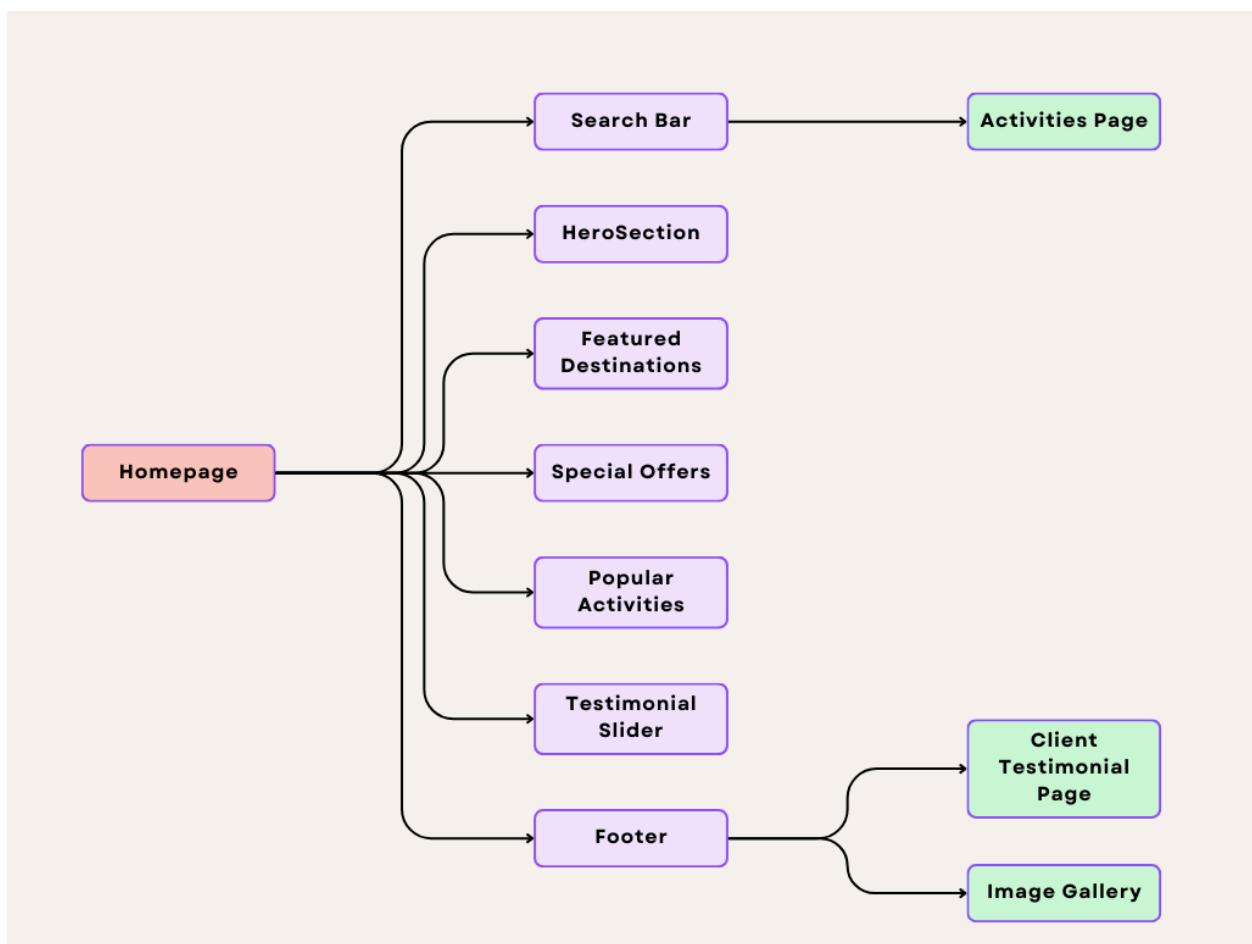
Solution:

Homepage includes a dynamic search bar and region-based tabs (e.g., South India, International). Selecting a region shows destination cards with images, ratings, and short guides. Filters like “Choose Destination” and “Select Dates” streamline planning. Travel guides, galleries, and testimonials build excitement and trust.

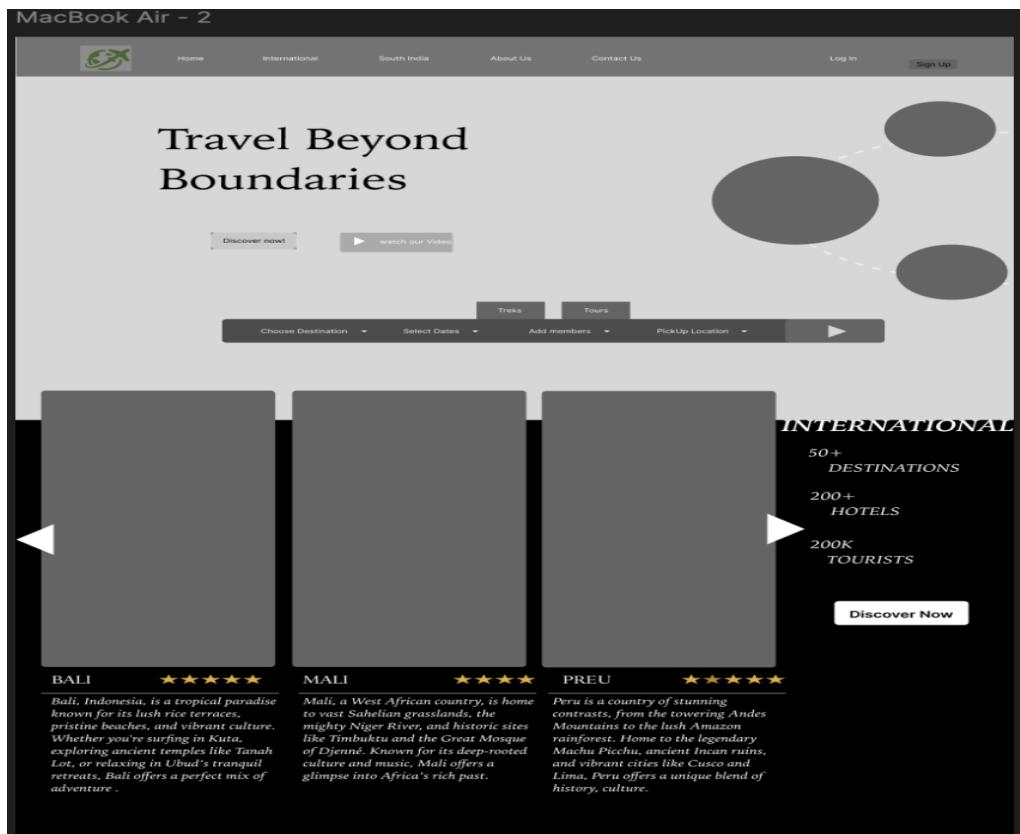
Procedure

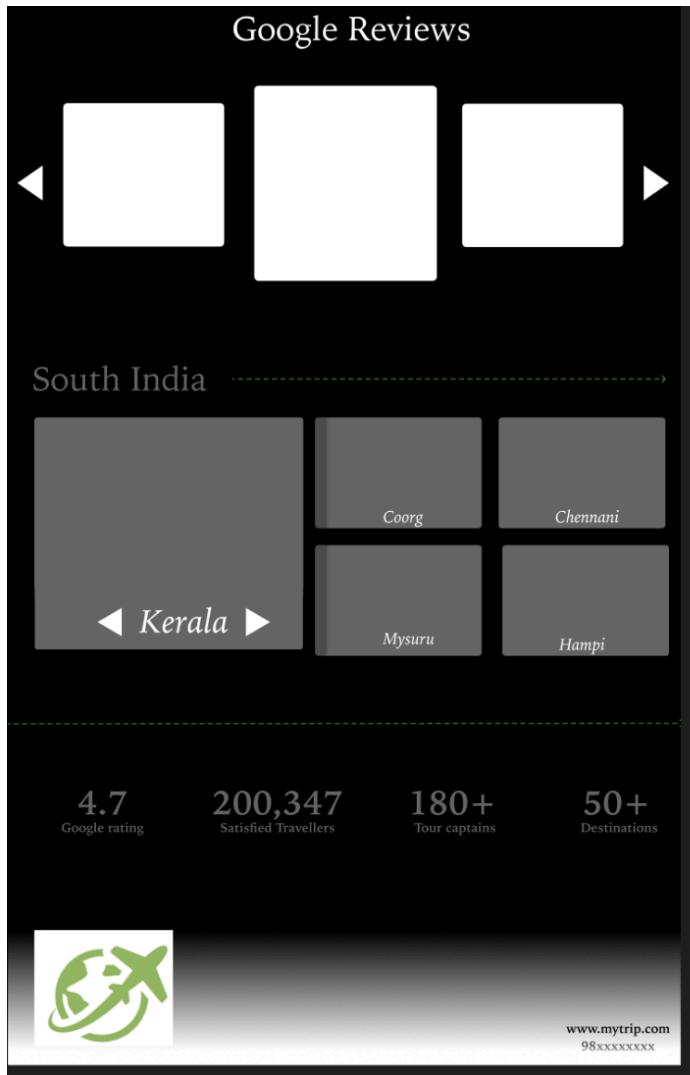
1. Create Frames
Click on the Frame icon in the bottom bar to create frames (artboards) to structure your travel website design.
2. Select Device Layout
Choose the appropriate device layout (e.g., desktop or mobile) based on your website's target audience.
3. Design Header
Use the Shape tools to create a header, which should include a **logo**, **navigation menu**, and a **search bar** for searching travel destinations.
4. Add Core Features
Design key sections such as **destination listings**, **activities**, **client testimonials**, and **image galleries**. Make sure to include a prominent call-to-action (CTA) button for booking.
5. Fill with Color
Use the paint bucket tool to add your preferred color to backgrounds, buttons, and sections. Use colors that match the theme of the travel industry (e.g., blues, greens).
6. Add Icons and Images
Use the **Iconify** plugin for icons (e.g., location, phone, email) and **Unsplash** for beautiful travel-related images to make the website more engaging.
7. Insert Text
Use the Text tool to add headings, descriptions, and any important content such as **destination names**, **customer reviews**, and **activity details**.
8. Prototype the Design
Once your frames are ready, use the **Prototype tool** to connect different pages (e.g., from the homepage to the destination details page) to showcase user flow.

Flowchart

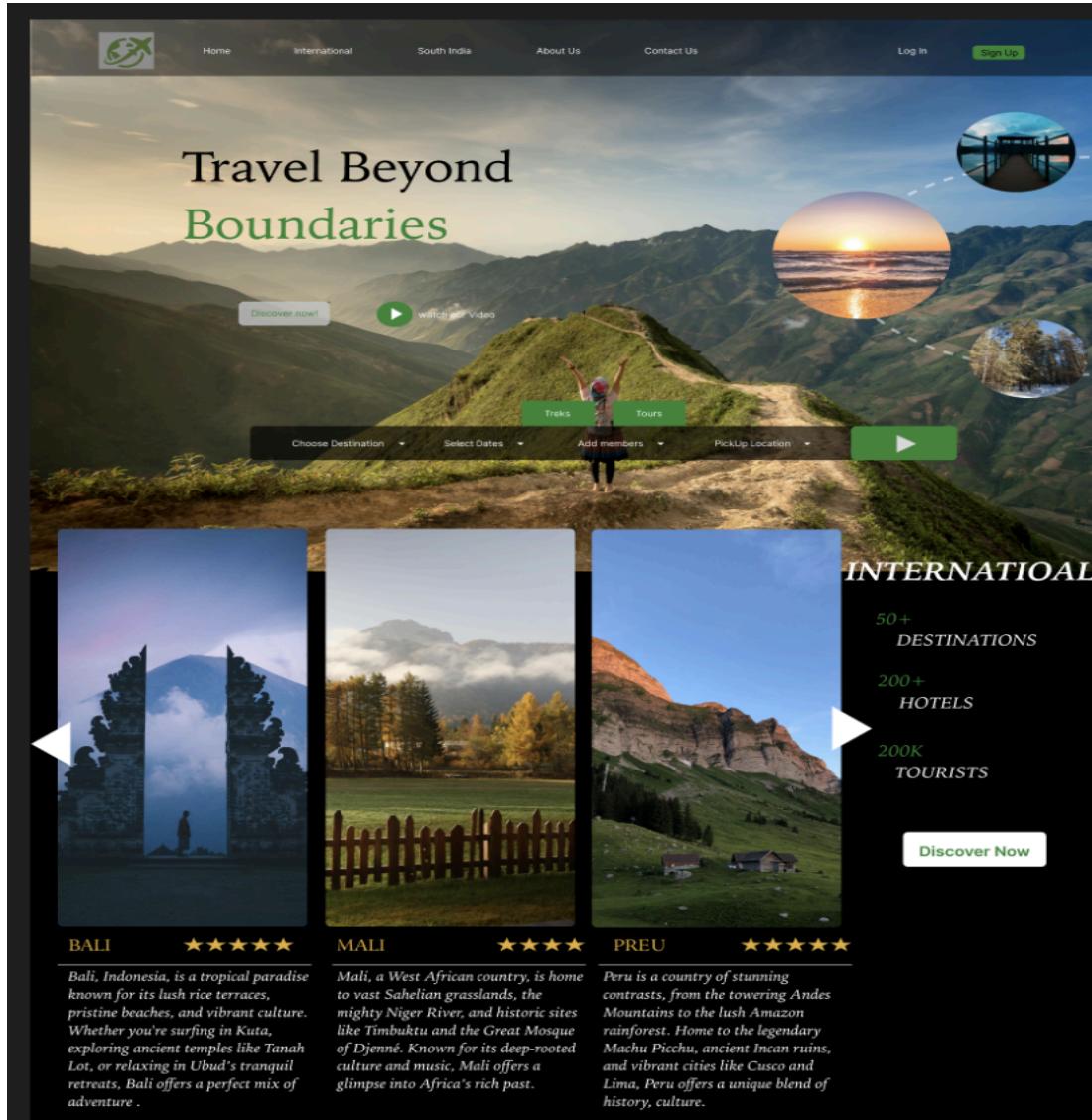


Wireframe:





Design:



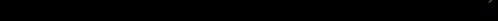
Google Reviews



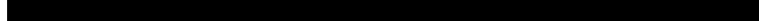
"Smooth Booking Experience!"
"I recently booked a trip to Switzerland through your website and it was absolutely hassle-free! The interface is user-friendly, and I found the best deals on flights and hotels. Customer support was super helpful too. Highly recommend!"
Priya S.

"Great Destination Recommendations!"
"I was unsure where to travel next, but the blog section and travel guides helped me choose an amazing trip to Bali. The itinerary suggestions were spot on, making my vacation smooth and enjoyable!"
Alex M.

"Best Travel Deals & Easy Cancellations!"
"I found an incredible last-minute deal for my Europe trip here. Plus, when I had to reschedule, the cancellation and refund process was quick and stress-free. Definitely my go-to travel site!"
Rahul K.



South India





Kerala



Coorg



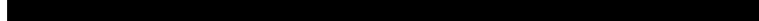
Chennani



Mysuru



Hampi



4.7
Google rating

200,347
Satisfied Travellers

180+
Tour captains

50+
Destinations



6.UI/UX Designer Portfolio Design: Create a wireframe, Design and prototype a UI for a portfolio including design for About page, Work showcase page, Blog page, contact page.

Overview:

A well-structured platform for designers to showcase projects, write blogs, and build their brand with customizable, aesthetic pages like About, Work Showcase, Blog, and Contact.

Problem:

Aspiring designers lack cohesive spaces for storytelling, customization, and feedback. Existing tools often restrict control over how work is presented or shared securely.

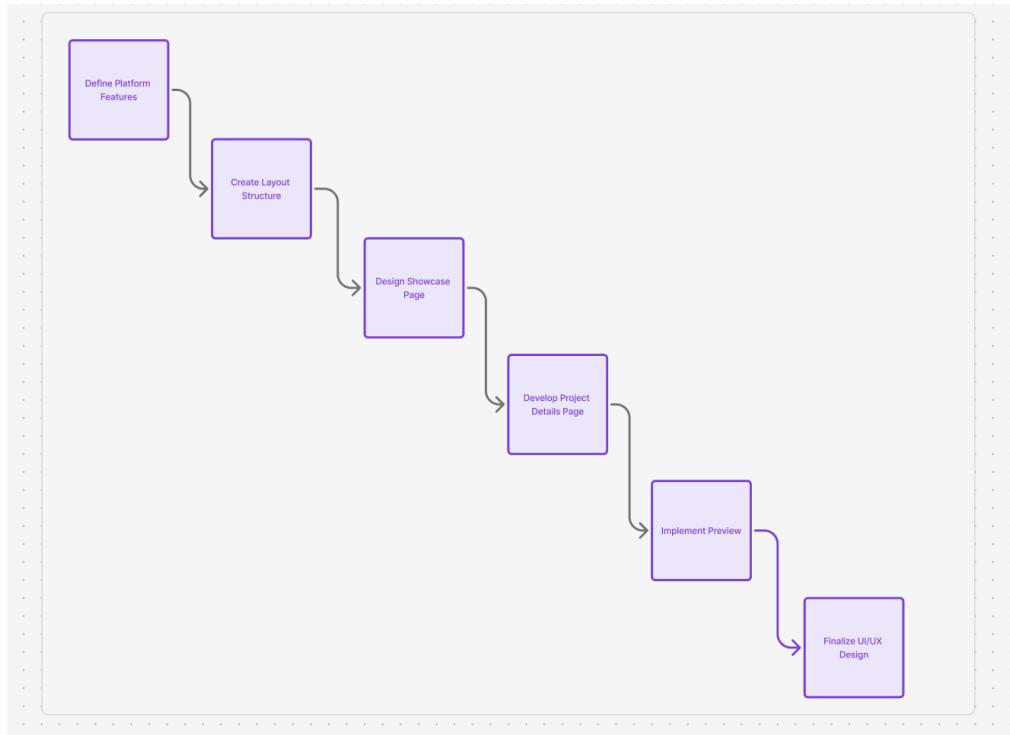
Solution:

The platform features a responsive grid-based Showcase page, individual Project Details pages with structured storytelling, and a Share Settings modal to control who views which work. Designers can preview before publishing and toggle between modes easily.

Procedure

1. Create Frames
Click on the Frame icon in the bottom bar to create frames (artboards) to structure your portfolio website design.
2. Select Device Layout
Choose the device layout (e.g., desktop or mobile) based on the format you prefer for your portfolio.
3. Design Header
Use the Shape tools to create a header, including your **name**, **logo**, and **navigation links** to pages like **About**, **Work Showcase**, **Blog**, and **Contact**.
4. Add Core Sections
Design essential sections such as **about me**, **work showcase** with project thumbnails, and a **contact form**. Include **social media links** and a **call-to-action** to encourage inquiries.
5. Fill with Color
Use the paint bucket tool to fill your header, buttons, and sections with colors that match your brand or personal style. Choose colors that reflect your creativity.
6. Add Icons and Images
Use the **Iconify** plugin for icons like social media links and the **Unsplash** plugin for high-quality images that showcase your work or personal touch.
7. Insert Text
Use the Text tool to add descriptions for each section. Include headings like "**Little bit about me**", "**Featured Work**", and brief descriptions of each project in your portfolio.
8. Prototype the Design
Once your frames are ready, use the **Prototype tool** to link sections of your portfolio

Flowchart



Wireframe

FR - Home

UIUX DESIGNER
Home
Work
Testimonials
About

Hello! I'm AAKRITI

Exploring design with purpose, building digital journeys that resonates
Driven by curiosity, crafted with care, delivering with intent

RESUME
Contact Me

Featured Work

[View more on Figma](#)

Some Generous Words

Some of my favorite testimonials from my clients.

Akshay Chauhan
Kiran Kumar

I had grown a little bit disappointed when I realized that my work would not be taking me in any new, creative design directions. Thankfully, I found Salman Khan and his creative team. They above and beyond, giving me exactly what I needed to take.

I had grown a little bit disappointed when I realized that my work would not be taking me in any new, creative design directions. Thankfully, I found Salman Khan and his creative team. They above and beyond, giving me exactly what I needed to take.

A Little Bit About Me

Hi, I'm Aakriti — a passionate designer, curious learner, and storyteller at heart. Rooted in the elegance of classical dance and driven by the logic of Computer Science & Design, I'm always looking for ways to craft digital experiences that are intuitive, inclusive, and solve real problems. I believe design is more than visuals — it's how we communicate, feel, and interact with the world around us. From leading cultural performances to building thoughtful UI/UX prototypes, I bring energy, empathy, and clarity into everything I do. I'm a firm believer that less is more, or a heartfelt message = my work reflects impact through intention.

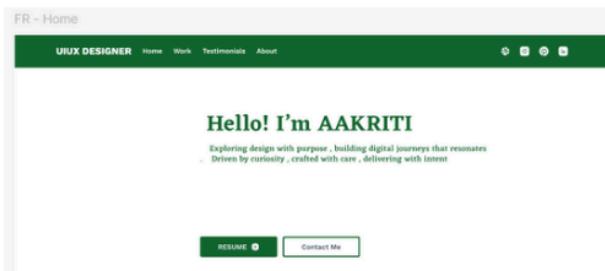
Contact Me
Contact Me

Let's work together

Your message

Send Message

Prototype:



Hello! I'm AAKRITI
Exploring design with purpose, building digital journeys that resonates.
Driven by curiosity, crafted with care, delivering with intent.

[RESUME](#) [Contact Me](#)

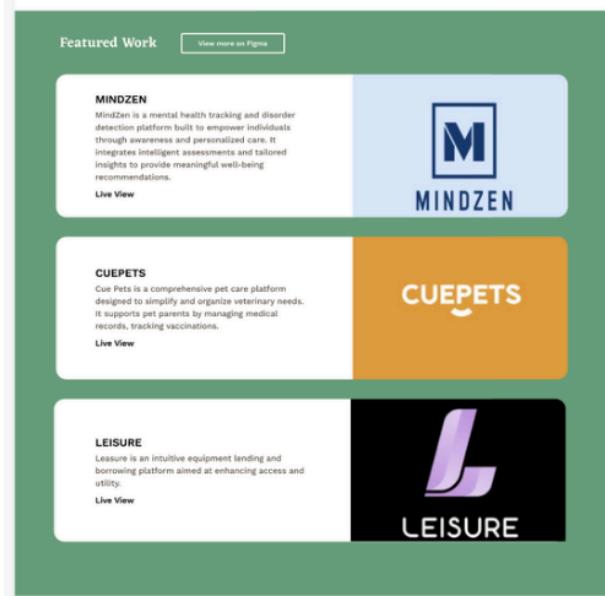
Some Generous Words
Some of my favorite testimonials from my clients

I had grown a little bit disappointed when I realized that my work would not be taking me in any new, creative design directions. Thankfully, I found Salmam Khan who was exactly what I was looking for. She was patient, proving to be exactly what I needed to take.

Alka Chan

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Alka Chan



Featured Work [View more on Figma](#)

- MINDZEN**
MindZen is a mental health tracking and disorder detection platform built to empower individuals through awareness and personalized care. It integrates intelligent assessments and tailored insights to provide meaningful well-being recommendations.
- CUEPETS**
Cue Pets is a comprehensive pet care platform designed to simplify and organize veterinary needs. It supports pet parents by managing medical records, tracking vaccinations.
- LEISURE**
Leisure is an intuitive equipment lending and borrowing platform aimed at enhancing access and utility.

A Little Bit About Me

Hi, I'm Aakriti — a passionate designer, curious learner, and storyteller at heart. Rooted in the elegance of clean design and driven by the logic of Computer Science & Design, I blend creativity with purpose to craft digital experiences that connect, inspire, and solve real problems. I believe design is more than visuals — it's how we communicate, feel, and interact with the world. From leading cultural performances to building thoughtful UI/UX prototypes, I bring energy, empathy, and clarity into everything I do. Whether it's a hackathon, a design sprint, or a heartfelt social message — my work strives to impact through intention.

[Contact Me](#)



Let's work together

[Send Message](#)

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7.Dashboard Design: Create a wireframe, Design and Prototype Dashboard UI page, add some Dashboard details, statistics and graphs, Add dropdown options for some dashboard details

Overview: A clean and professional dashboard UI was designed to present user activity metrics, knowledge trends, and leaderboard rankings in a structured and interactive format. The prototype simulates a company analytics dashboard with real-time filtering, intuitive data visualization, and categorized sections for seamless monitoring.

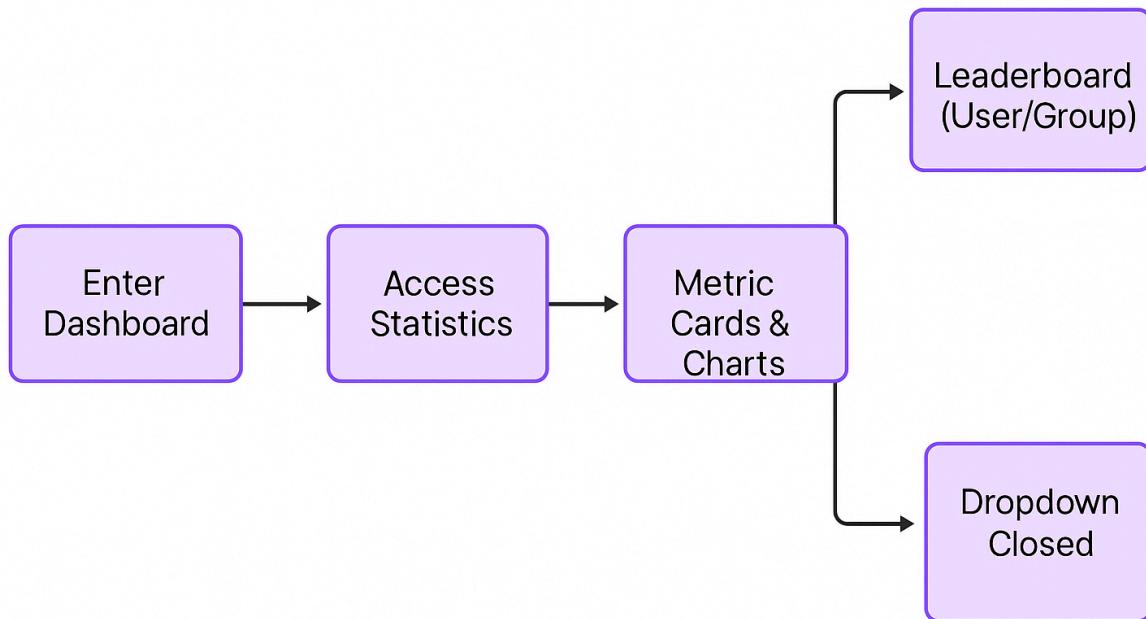
Problem: Users managing large-scale data systems often struggle to make sense of raw numbers and disconnected reports. Without a centralized and interactive dashboard, it's difficult to monitor key metrics, track knowledge gain, or identify weak points effectively.

Solution: The dashboard design offers an organized and visually digestible layout, featuring dropdown filters, performance graphs, and knowledge-based statistics. The inclusion of weak/strong topic identification and leaderboards helps teams and individuals track progress and engagement over time.

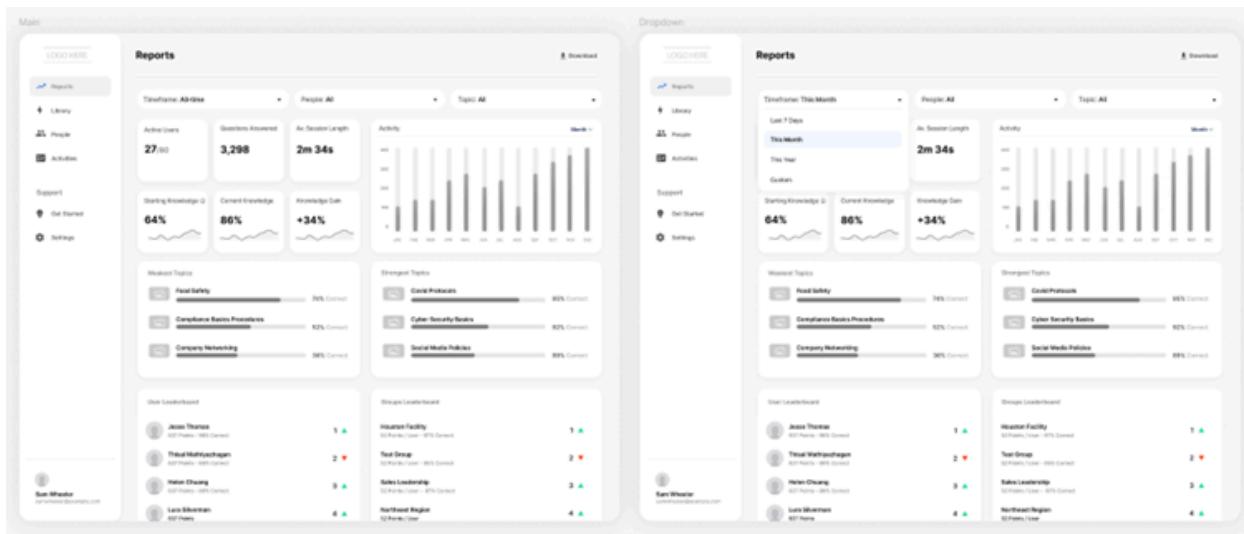
Procedure:

1. Create Wireframes: Wireframes were developed to outline the layout of sidebar navigation, header filters, data cards, and content blocks like charts and leaderboards.
2. Select Layout: A desktop dashboard layout was chosen to replicate the interface commonly used in enterprise environments with side navigation and horizontal data flow.
3. Design Sidebar and Header: The sidebar includes essential navigation links (Reports, Library, People, Activities, Settings), while the header incorporates dropdowns for Timeframe, People, and Topic filters, along with a download button.
4. Add Dashboard Metrics and Charts: Core dashboard cards were added to display statistics like Active Users, Questions Answered, Session Length, and Knowledge Gain. Bar graphs visualize monthly activity, with dropdowns to toggle time views.
5. Design Topic Performance Blocks: Dedicated sections for Weakest and Strongest Topics were added, each displaying topic names, thumbnails, and horizontal progress bars indicating correctness percentages.
6. Implement Leaderboards: User and Group leaderboards were introduced, ranking participants by score and accuracy to encourage friendly competition and performance tracking.
7. Use Colors and Fonts: A modern, neutral palette of whites, grays, and accent blues was applied to highlight important stats and interactions, paired with clean sans-serif fonts for readability.
8. Add Interactions and Prototype Filters: Prototype interactions were configured for dropdown menus and hover effects, simulating the dynamic filtering experience and showing how different views update based on selected parameters.

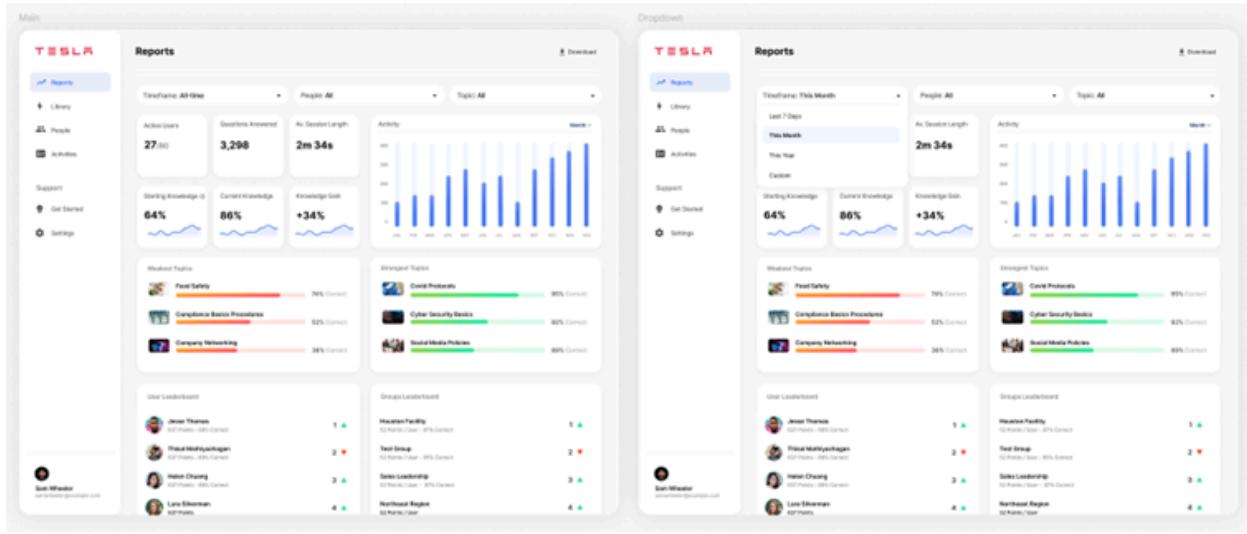
Flowchart:



Wireframe:



Design:



**8.Create a wireframe, design, and prototype web pages including product category pages
(example: mobiles, gaming consoles, speakers), product pages in each category, Buy Now page, Add to Cart page**

Overview: A clean and responsive e-commerce website interface was designed to deliver a smooth user shopping experience. The prototype includes category pages like Mobiles, Gaming Consoles, and Speakers, as well as individual product pages with detailed specifications, images, and pricing. Users can easily navigate, explore categories, view product details, and interact with Add to Cart and Buy Now functionalities.

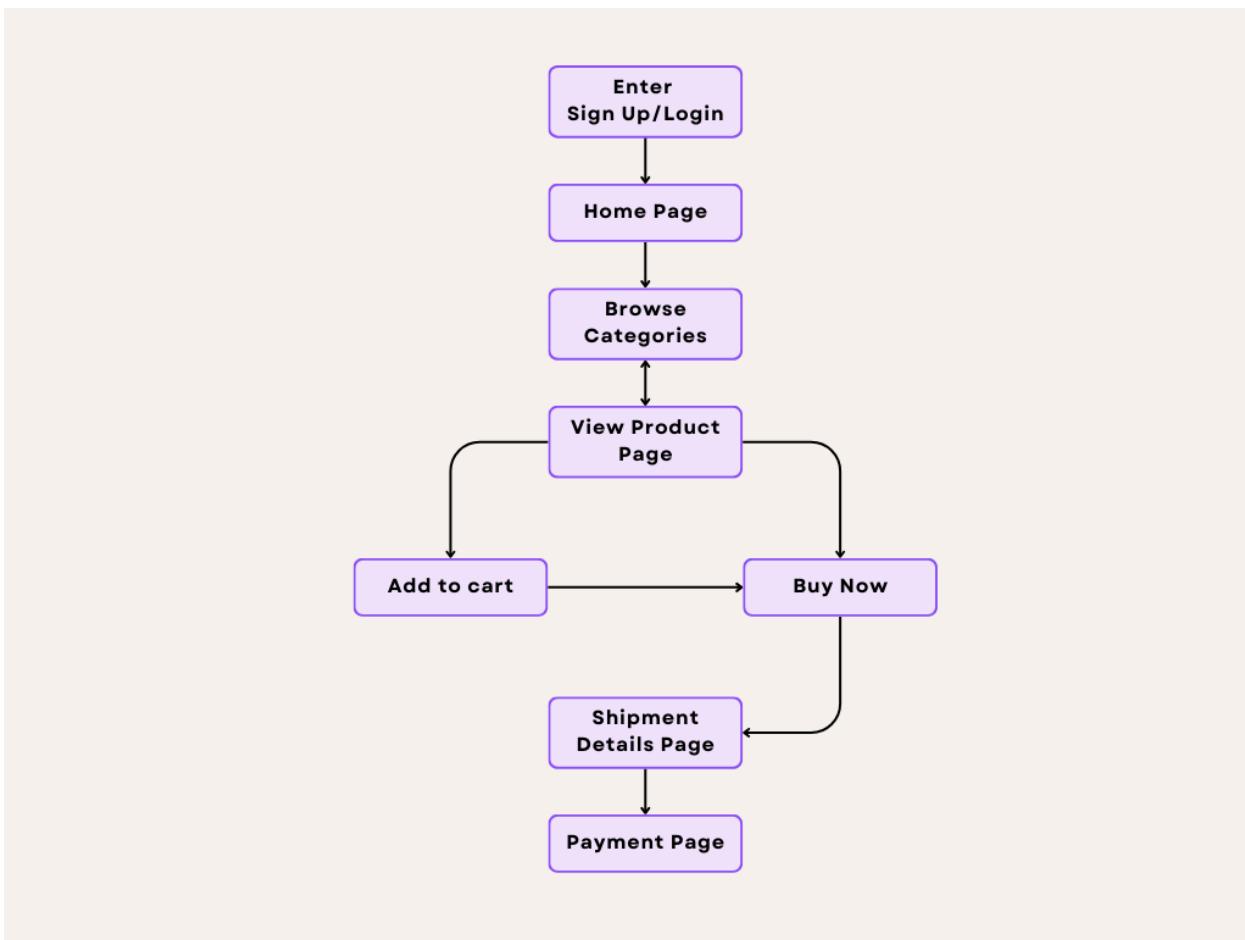
Problem: Users often struggle with cluttered navigation, inconsistent layouts, or missing product details, which can reduce engagement and conversions on e-commerce platforms.

Solution: The design addresses these issues with a well-organized layout that separates categories clearly and allows quick transitions between product listings and detailed product views. Intuitive interaction options like Add to Cart and Buy Now buttons ensure a user-friendly and functional shopping experience.

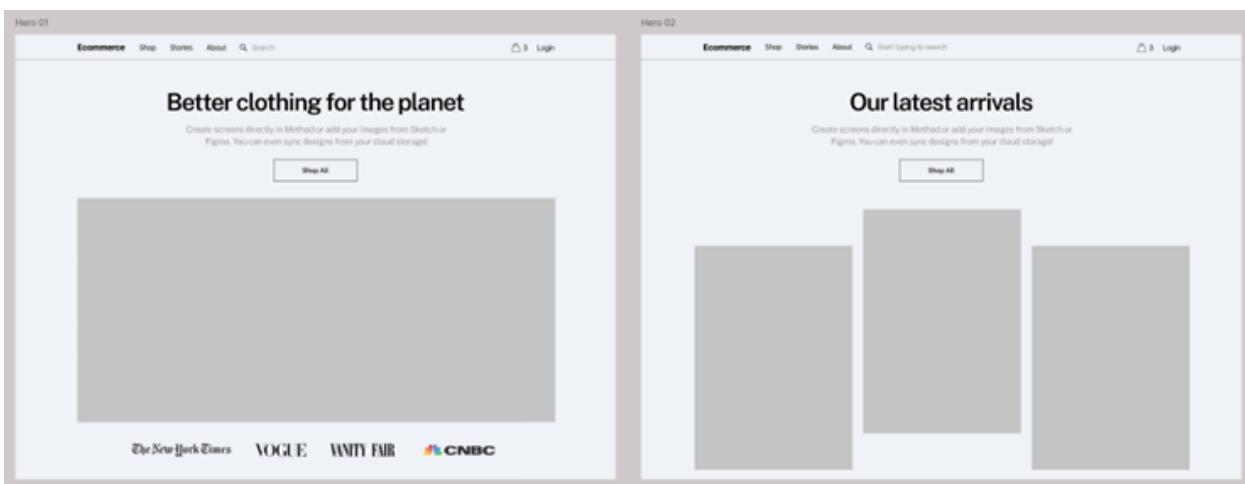
Procedure:

1. Create Wireframes: Wireframes were created for major pages: Home, Category (Mobiles, Consoles, Speakers), Product Details, Cart, and Buy Now. This ensured a solid structure before adding visual elements.
2. Design Navigation: A top navigation bar with logo, category links, search, and cart icon was designed for easy movement across the site.
3. Category Page Layout: Grid layouts were used to display multiple products under each category. Each product card shows image, name, price, and a short description.
4. Product Detail Page: Each product page includes a detailed image view, technical specifications, price, and CTA buttons for "Add to Cart" and "Buy Now."
5. Cart and Buy Now Pages: Dedicated pages allow users to review items, change quantities, and proceed to payment securely. Clear buttons and minimal steps streamline the checkout process.
6. Color and Fonts: A professional and modern color palette was applied using soft neutrals with accent colors for CTA buttons. Fonts were kept simple and readable.
7. Add Interactions and Prototyping: Prototyping links were added to simulate real navigation between category pages, product views, cart, and buy flow. Hover and click interactions make the prototype engaging and interactive.

Flowchart:



Wireframe:



Login - Email

Welcome Back
Login with email
Email
Password
 Remember me [Forgot Password?](#)

Shop

Shop Men's
Revamp your style with the latest designer trends in men's clothing or achieve a perfectly curated wardrobe thanks to our line-up of timeless pieces.

Shop Page

Shop Men's
Revamp your style with the latest designer trends in men's clothing or achieve a perfectly curated wardrobe thanks to our line-up of timeless pieces.

Product 01

Men's winter jacket
\$99 or 4 installments of \$24.75 [Learn more](#)
Revamp your style with the latest designer trends in men's clothing or achieve a perfectly curated wardrobe thanks to our line-up of timeless pieces.
Color:
Size: XS S M L XL XXL XXXL
Stock Status: In stock (184 left)
Quantity: 2
Add to Cart: \$99
Free standard shipping [See Details](#)

Product Page 02

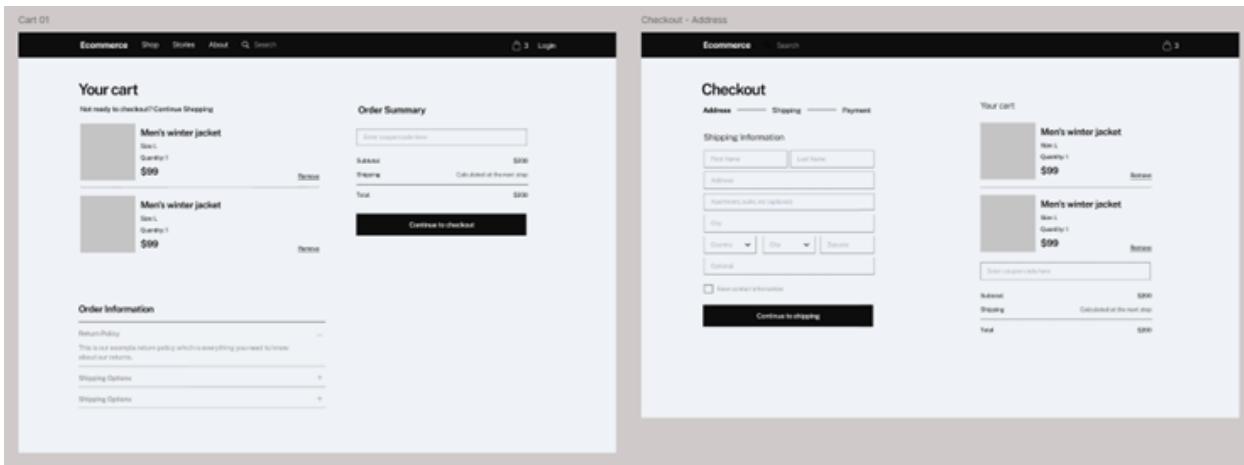
Men's winter jacket
\$99
Revamp your style with the latest designer trends in men's clothing or achieve a perfectly curated wardrobe thanks to our line-up of timeless pieces.
 XL
Height of model: 184 cm / 5' 11" (See fit)
[Add to Cart: \\$99](#) [Buy Now](#)

Checkout - Payment

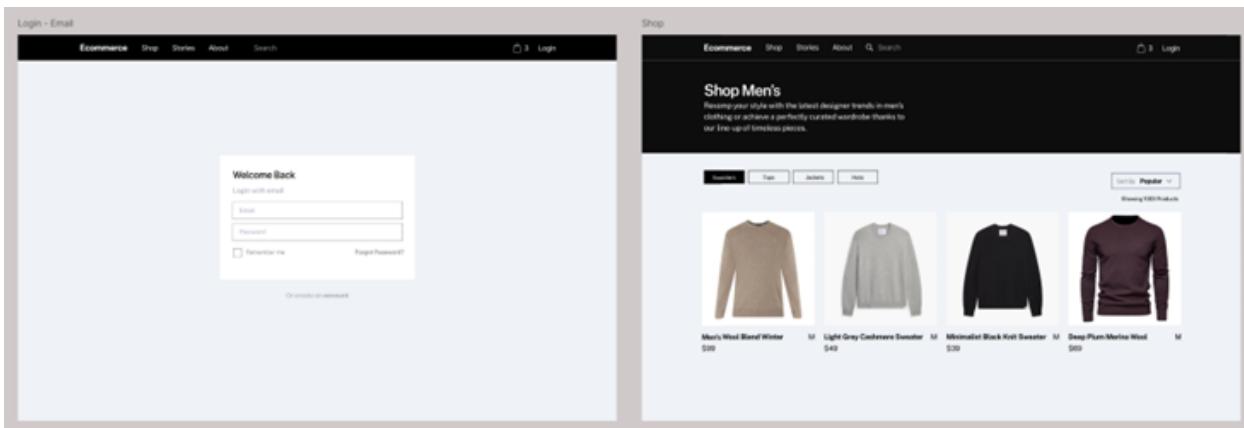
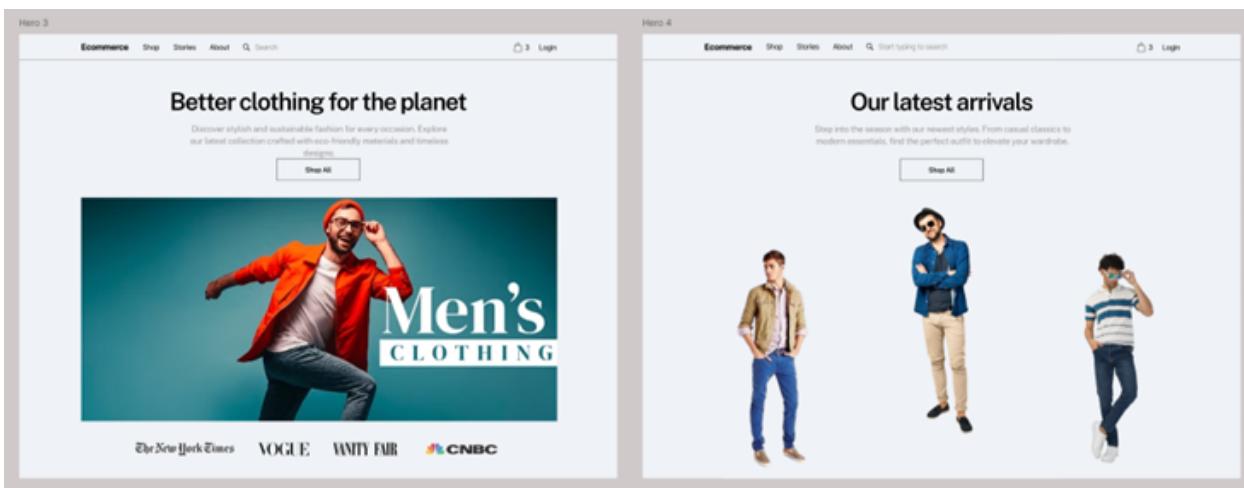
Checkout
Address Shipping Payment
Payment Details:
Cardholder Name:
Card Number:
Month: Year:
Save card info for future purchases
Pay with card

Your cart:

Men's winter jacket	Size: M	Quantity: 1	\$99	Remove
Men's winter jacket	Size: M	Quantity: 1	\$99	Remove



Design:



Shop Page

E-commerce Shop Stores About Search Login

Shop Men's
Revamp your style with the latest designer trends in men's clothing or achieve a perfectly curated wardrobe thanks to our line-up of timeless pieces.

Filters (Select)

Category

- Jackets
- Pants
- Hoodies & Hooded
- Sweaters
- Shirts
- Tops
- Prints & Prints

Color

Men's Winter Jacket M \$99 Men's Hoodie M \$99 Men's T-Shirt M \$99 Men's Summer Shirt M \$99

Sort by: Popular Showing 4000 products

Load more products

Product 2

E-commerce Shop Stores About Search Login

Men's winter jacket View Details \$99

Stay warm in style with our premium winter jackets – crafted for comfort, durability, and a modern look that never goes out of fashion.

Color

Size

S M L XL XXL XXXL

Stock & Price

Height of model: 180 cm, 175 2" (Size M)

Add to Cart \$99 Quantity: 2

Free standard shipping Free Returns

Product Page 3

E-commerce Shop Stores About Search Login

Men's winter jacket \$99

Make a statement this winter with a sleek gradient design, insulated warmth, and water-resistant fabric – perfect for chilly commutes or weekend adventures.

Size:

Height of model: 180 cm, 175 2" (Size M)

Add to Cart \$99 Buy Now

Checkout - Payment

E-commerce Search

Checkout

Address Shipping Payment

Payment Details

Cardholder Name:
Expiry Date:
Country:

New contact info for future payments

Pay with card

Your cart

Item	Quantity	Price
Men's winter jacket	1	\$99
Men's winter scarf	3	\$49

Cart 2

E-commerce Shop Stores About Search Login

Your cart

Not ready to checkout? Continue Shopping

Item	Quantity	Price
Men's winter jacket	1	\$99
Men's winter scarf	3	\$49

Order Summary

Shipping

Total: \$99
Shipping: Calculated at the next step
Tax: \$0

Continue to checkout

Checkout - Address

E-commerce Search

Checkout

Address Shipping Payment

Shipping Information

First Name: Last Name:
Address:
Apartment, suite, etc. (optional):
City: State: Zip:
Country:
 Save contact information

Continue to shipping

Your cart

Item	Quantity	Price
Men's winter jacket	1	\$99
Men's winter scarf	3	\$49

Shipping

Total: \$99
Shipping: Calculated at the next step
Tax: \$0

9. Educational Website: Create a wireframe, Design and Prototype the UI for an educational website – Include a Homepage with footer, About Us Page, Programs page, Instructors page, Pricing page, Payments page with radial buttons. Design dropdowns for programs button

Overview:

A modern educational website UI was designed to help students explore academic and non-academic programs, connect with instructors, view pricing plans, and make payments easily. The prototype includes onboarding, navigational features, and a segment-wise breakdown of services tailored to student interests.

Problem:

Students and parents often face difficulty navigating cluttered educational platforms that lack personalization, segmented content, and easy access to information. Without intuitive onboarding, clear service categorization, and responsive interfaces, users find it frustrating to identify suitable programs or get their queries resolved promptly.

Solution:

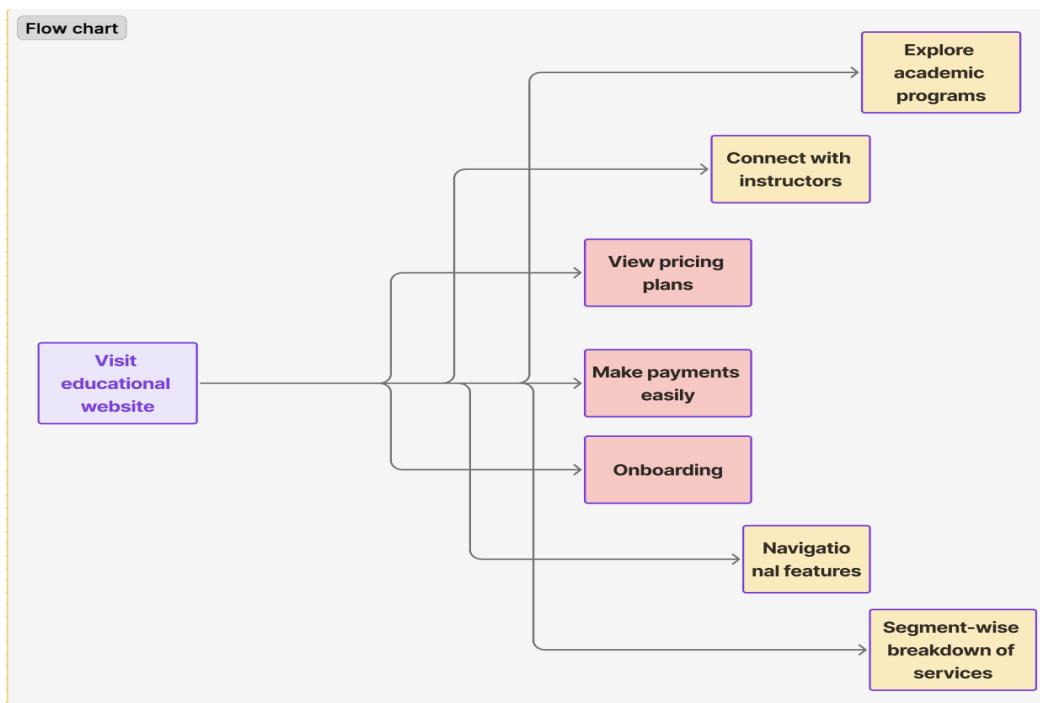
The design includes a streamlined onboarding experience based on student interests, a simplified navigation bar, chatbot assistance for queries, and structured service segmentation. Pages are customized for homepage previews, program details, instructor profiles, pricing options, and an interactive payment interface with radial buttons.

Procedure:

1. Create sitemap and define structure
planned the complete sitemap with key pages like home, about, services, contact, and onboarding. pages are interconnected for smooth user flow
2. Design onboarding or landing page
included welcome message, selection of student interests (academic or non-academic), and brief key features to guide user expectations from the start
3. Design onboarding page
added login or sign-up options and highlighted platform features like expert guidance, flexible learning, and certification
4. Develop home page
designed a clear navigation bar for easy access to all segments
previewed key sections of the site like academic courses, non-academic skills, and featured instructors
5. Create about page
detailed the platform's vision, teaching methodology, and value proposition to build trust with new users
6. Design services page (segmented view)
split into academic and non-academic paths
academic includes class 5 to 12 courses categorized by subjects
non-academic includes skill development, admission guidance, and personal growth sections
7. Add instructors page
cards for each instructor with bio, teaching areas, ratings, and subject expertise
8. Build programs page with dropdowns
created dropdown menu under programs in the navbar

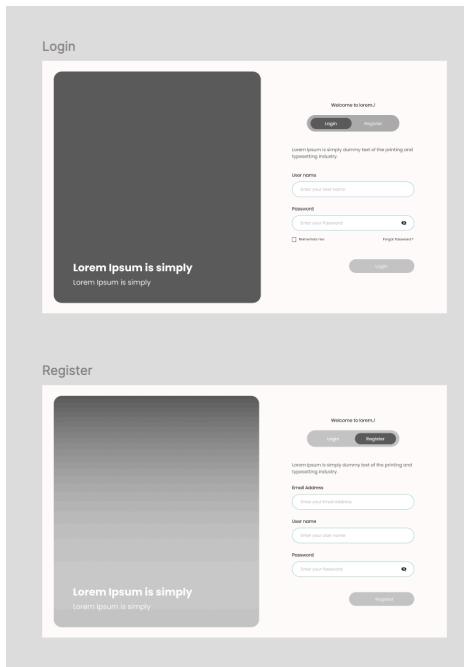
- dropdown reveals course levels, categories, and subtopics for both academic and non-academic paths
9. Develop pricing page
plans shown in a comparative pricing table
included monthly, quarterly, and yearly pricing with call-to-action buttons
 10. Design payments page with radial buttons
payment form includes course name, plan selection, and radial buttons for payment mode like upi, card, and net banking
 11. Prototype interactions
set transitions between onboarding steps
dropdowns, hover states, and chatbot interactions were linked using figma's prototype mode

flowchart:



WireFrame

Login page



Homepage:

Online is now much easier

TOTC is an interesting platform that will teach you in more an interactive way.

Join for free Watch how it works

250K+ Active Student

Congratulations Your admission completed

User Experience Class Today at 12:00 PM Join Now

Our Success

15K+ Students 75% Total success 35 Main questions 26 Chief experts 16 Years of experience

All-In-One Cloud Software.

TOTC is one powerful online software suite that combines all the tools needed to run a successful school or office.

Online Billing, Invoicing, & Contracts

Simple and secure control of your organization's financial and legal transactions. Send customized invoices and contracts.

Easy Scheduling & Attendance Tracking

Schedule and reserve classrooms at one campus or multiple campuses. Keep attendance records and student attendance.

Customer Tracking

Automate and track emails to individuals or groups. Teachers can build-in rules to automatically organize your organization.

Tools For Teachers And Learners

TOTC has a dynamic set of teaching tools built to be deployed and used during class. Teachers can handout assignments in real-time for students to complete and submit.

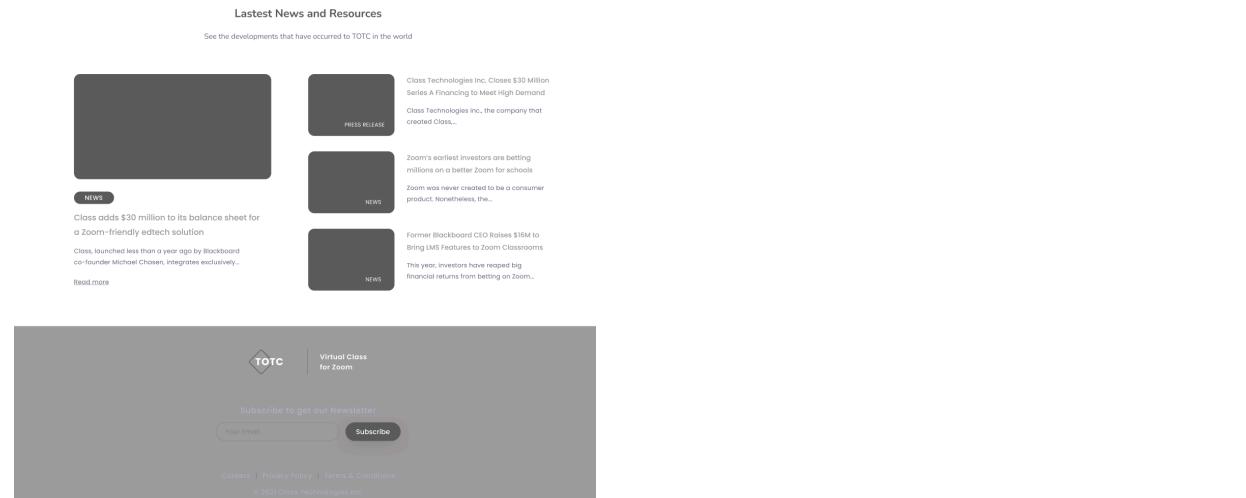
Assessments, Quizzes, Tests

Tools launch live assignments, quizzes, and tests. Student results are automatically entered in the online gradebook.

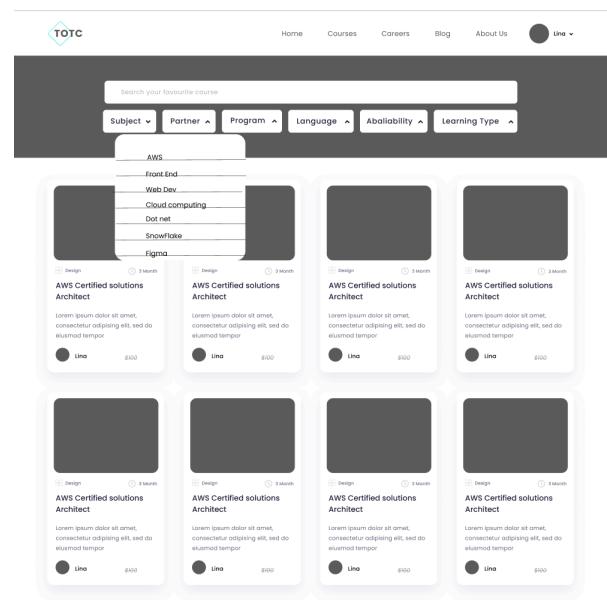
Class Management Tools for Educators

TOTC provides tools to help run and manage the class such as Class Roster, Attendance, and more. With the gradebook, teachers can review and grade tests and quizzes in real-time.

UIUX Lab Manual - BCGL606



Programs page with dropdowns:



Instructors page,

Classes taught by real creators

Jane Cooper
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor

Adam
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor

Tomara
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Jane Cooper
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Jane Cooper
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Jane Cooper
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Top Education offers and deals are listed here

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50%

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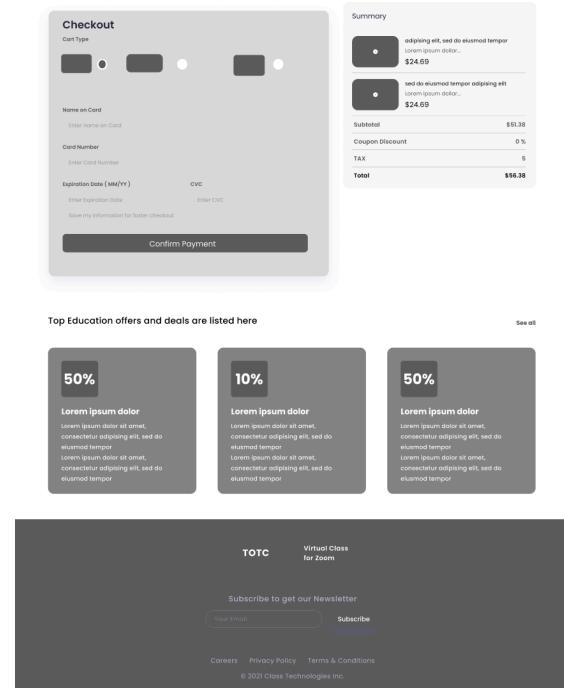
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Pricing and checkout:

Marketing Articles

Learn more

UIUX Lab Manual - BCGL606



Prototype:

Login / sign Up

The image displays two versions of a login/register interface for the platform 'Learn.'.

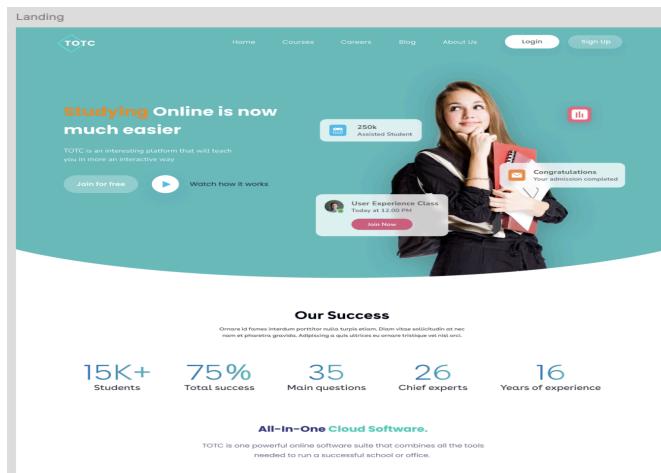
Left Screen (Login):

- Header: 'Login'
- Background image: A classroom scene with students raising their hands.
- Text: 'Welcome to Learn.'
- Buttons: 'Login' and 'Register'
- Text: 'Lorem ipsum is simply dummy text of the printing and typesetting industry.'
- Form fields:
 - User name: 'Enter your user name'
 - Password: 'Enter your Password'
 - Checkboxes: 'Remember me' and 'Forgot Password?'
- Button: 'Login'

Right Screen (Register):

- Header: 'Login'
- Background image: A classroom scene with students raising their hands.
- Text: 'Welcome to Learn.'
- Buttons: 'Login' and 'Register'
- Text: 'Lorem ipsum is simply dummy text of the printing and typesetting industry.'
- Form fields:
 - Email Address: 'Enter your Email Address'
 - User name: 'Enter your user name'
 - Password: 'Enter your Password'
- Button: 'Register'

HomePage with footer and About us page::



About Us

This very extraordinary feature, can make learning activities more efficient.



A user interface designed for the classroom

- Teachers don't get lost in the grid view and have a dedicated podium space.
- TAs and presenters can be moved to the front of the class.
- Teachers can easily see all students and class data at one time.

Lastest News and Resources

See the developments that have occurred to TOTC in the world



Class adds \$30 million to its balance sheet for a Zoom-friendly edtech solution

Class, launched less than a year ago by Blackboard co-founder Michael Chasen, integrates exclusively...

[Read more](#)



Class Technologies Inc. Closes \$30 Million Series A Financing to Meet High Demand

Class Technologies Inc, the company that created Class...



Zoom's earliest investors are betting millions on a better Zoom for schools

Zoom was never created to be a consumer product. Nonetheless, the...

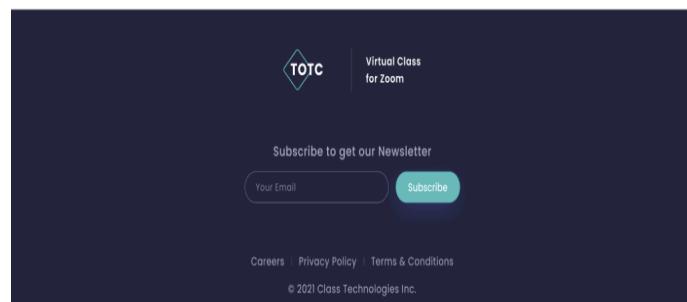


Former Blackboard CEO Raises \$16M to Bring LMS Features to Zoom Classrooms

This year, investors have reaped big financial returns from betting on Zoom...

Tools For Teachers And Learners

Class has a dynamic set of teaching tools built to be deployed and used during class. Teachers can handout assignments in real-time for students to complete and submit.



Programs page with dropdowns:

The screenshot shows the homepage of the TOTC (Total Online Training Courses) website. At the top, there is a navigation bar with links for Home, Courses, Careers, Blog, and About Us. A user profile for 'Linda' is also visible. Below the navigation is a search bar with placeholder text 'Search your favourite course' and a teal 'Search' button. Underneath the search bar are six filter buttons: Subject (dropdown), Partner (dropdown), Program (dropdown), Language (dropdown), Ability (dropdown), and Learning Type (dropdown). A large banner image shows people working at desks. Below the filters, a search result for 'AWS' is displayed. The results are organized into two rows of four cards each. Each card contains a thumbnail image, the course title, a brief description, and a 'View Details' button.

Thumbnail	Title	Description	Action
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details
	AWS Certified solutions Architect	Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	View Details

Instructors page,

UIUX Lab Manual - BCGL606

Classes taught by real creators

See all

Jane Cooper
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor

Adam
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor

Tomara
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Jane Cooper
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Jane Cooper
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Jane Cooper
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What our students have to say

Savannah Nguyen
tanya.hill@example.com

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sed do eiusmod tempor
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View profile

UX/UI Design Conference Meeting
9 Lesson 6h 30min

Course Contents

2/9 COMPLETED

Get Started 1 Hour 5 lessons

Illustrator Structures 3 Hour 3 lessons

1. Lorem ipsum dolor sit amet 6h:00

2. Lorem ipsum dolor 2h:00

3. Lorem ipsum dolor sit amet 3h:00

Using Illustrator 1 Hour 4 lessons

What is Pandas? 1h:54 5 lessons

Work with NumPy 1h:00 3 Lessons

Book for you

All Benefits of PLUS \$24

All Benefits of PLUS \$24

Pricing page, Payments page with radial buttons

The screenshot shows a course landing page for 'TOTC'. At the top, there's a navigation bar with links to Home, Courses, Careers, Blog, and About Us. A user profile for 'Lina' is shown. Below the navigation is a large photo of people working in an office. To the right of the photo, a box displays the price '\$49.65' with a '\$99.99' crossed out and '50% Off'. A 'Buy Now' button is prominently displayed. Below the price, it says '11 hour left at this price'. On the left, there's a rating section showing '4 out of 5' with a 5-star icon. Below the rating are five horizontal bars representing different star levels: 5 Stars, 4 Stars, 3 Stars, 2 Stars, and 1 Stars. There are also two smaller sections for 'Top Rating' and 'Lina' with a 5-star rating and a '3 Month' badge. To the right, there's a section titled 'This Course Included' with icons for Money Back Guarantee, Access on all devices, Certification of completion, and 32 Modules. Further down, there's a section titled 'Training 5 or more people' with a brief description and a '3 Month' badge.

The screenshot shows a section titled 'Marketing Articles' under the 'TOTC' header. It features four cards for 'AWS Certified solutions Architect' courses. Each card includes a photo of a person, the title 'AWS Certified solutions Architect', a short description, and a 'See all' link. The cards are arranged in a grid format with a light blue background.

Image	Title	Description	Action
	AWS Certified solutions Architect	Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	See all
	AWS Certified solutions Architect	Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	See all
	AWS Certified solutions Architect	Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	See all
	AWS Certified solutions Architect	Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	See all

Checkout page

The screenshot shows the TOTC Checkout page. At the top, there's a navigation bar with links to Home, Courses, Careers, Blog, About Us, and a user profile for Linda. The main area is divided into two sections: 'Checkout' on the left and 'Summary' on the right.

Checkout Section:

- Cart Type:** Visa
- Name on Card:** Enter name on Card
- Card Number:** Enter Card Number
- Expiration Date (MM/YY):** Enter Expiration Date
- CVC:** Enter CVC
- Save my information for faster checkout:** A checkbox option.
- Confirm Payment:** A large green button at the bottom.

Summary Section:

Summary	
	adipiscing elit, sed do eiusmod tempor Lorem ipsum dolor... \$24.69
	sed do eiusmod tempor adipiscing elit Lorem ipsum dolor... \$24.69
Subtotal	\$61.38
Coupon Discount	0 %
TAX	5
Total	\$56.38

Top Education offers and deals are listed here

Three cards are displayed, each featuring a different offer:

- 50% Off:** Shows a laptop screen with a video conference and a coffee cup. Text: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.
- 10% Off:** Shows a student writing in a notebook. Text: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.
- 50% Off:** Shows a cat looking at a screen. Text: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.

See all

The footer features the TOTC logo, a 'Virtual Class for Zoom' section, and a newsletter sign-up form. It also includes links to Careers, Privacy Policy, Terms & Conditions, and a copyright notice for 2021 Class Technologies Inc.

Subscribe to get our Newsletter

Your Email **Subscribe**

Careers | Privacy Policy | Terms & Conditions
© 2021 Class Technologies Inc.

10. Music Player App: Create a wireframe, Design and prototype the pages with a background and a Rollover button, and Song selection Page with a Home Rollover button. The third page may include animated play and pause button, play music animation, timer animation.

Overview: The Music Player App offers users a clean and immersive interface to discover, browse, and enjoy music seamlessly. It provides curated playlists, easy navigation, and engaging visuals to enhance the audio experience.

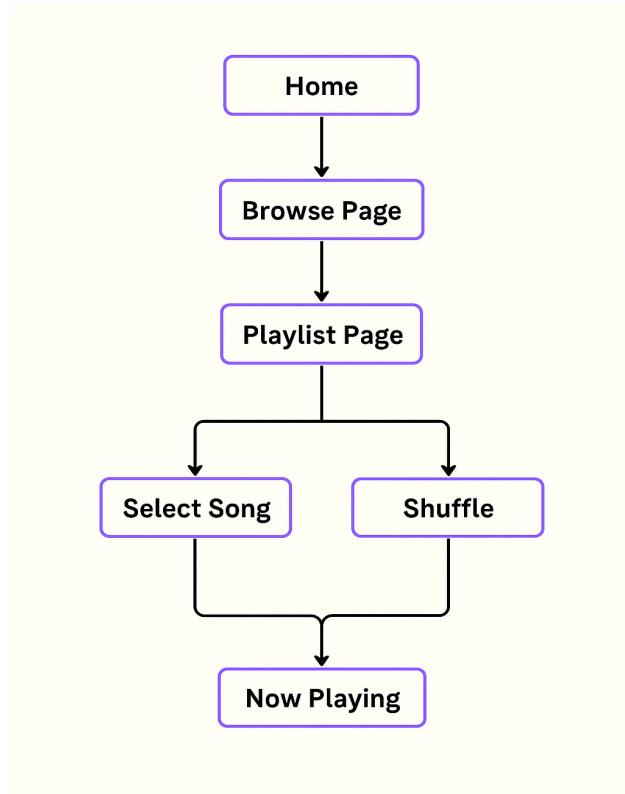
Problem: Users often find mobile music apps cluttered or unintuitive, which hinders quick access to playlists or playback functions. A lack of smooth transitions and visual feedback makes user interaction less engaging.

Solution: The app includes a vibrant Home page with a background and a Rollover search button, a Song Selection page featuring playlist details and a Home Rollover button, and a Now Playing screen with animated play/pause controls, music progress animation, and a timer—delivering a smooth and engaging user experience.

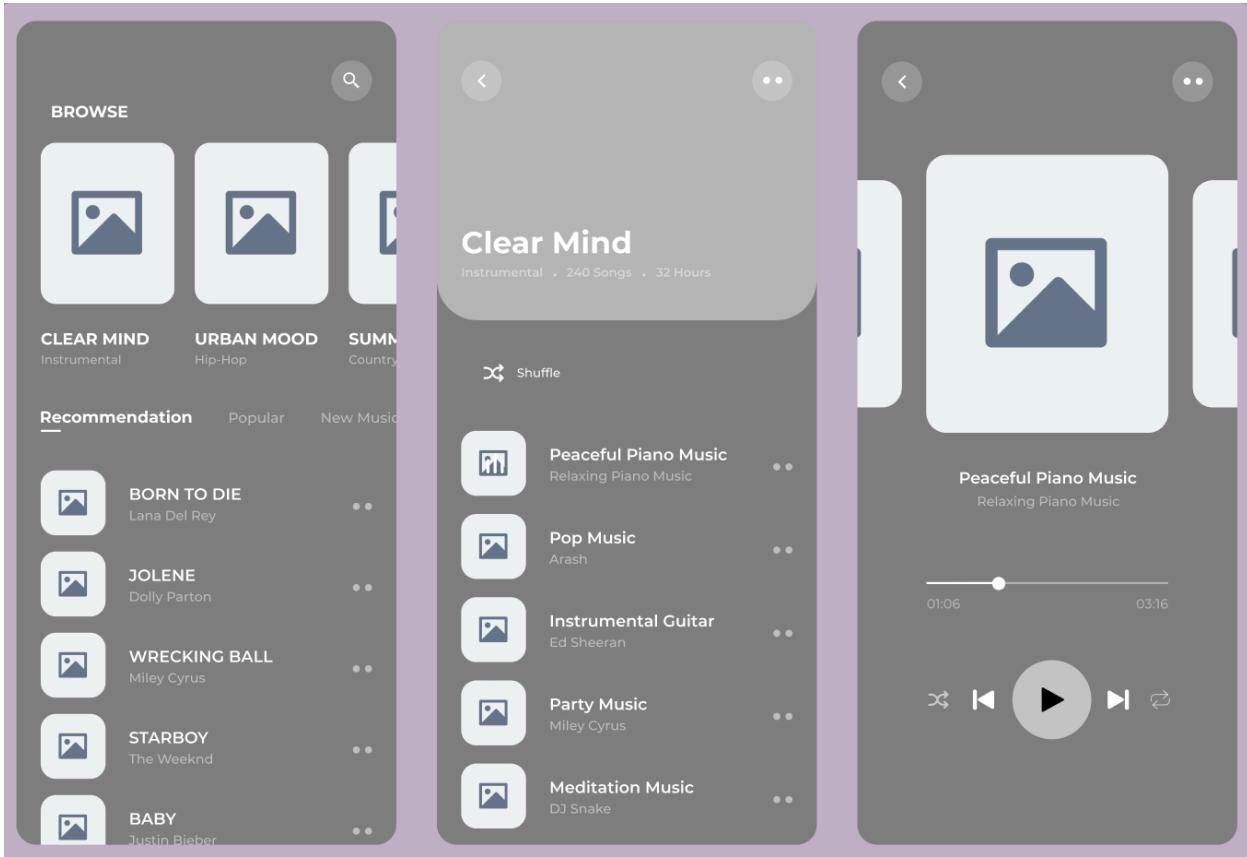
Procedure:

1. **Create Frames:** Use the Frame tool to design three screens – Home, Playlist Selection, and Now Playing.
2. **Select Device Layout:** Choose a mobile layout (e.g., iPhone 14) to target modern smartphone users.
3. **Design Header & Rollover Button:** On the Home page, design a header with a search icon (Rollover-enabled) and music genre cards. Add hover effects to interactive elements using the prototype interaction settings.
4. **Build Playlist Page:** Display playlist cover art, song count, total duration, and song list. Implement a “Home” Rollover button for intuitive navigation.
5. **Design Now Playing Page:** Add a large album image with an animated progress bar, Play/Pause animation (using component variants), and forward/backward controls. Use glowing effects or subtle movements to simulate music animation.
6. **Apply Color and Theme:** Use a dark purple gradient background throughout the app for a modern, elegant feel. Highlight interactive elements with lighter shades or contrast.
7. **Add Icons and Images:** Use the Iconify plugin for media controls (play, pause, shuffle, etc.) and Unsplash for high-quality background or album images.
8. **Insert Text:** Use bold fonts for titles (e.g., playlist names) and clean typography for song details and timers.
9. **Prototype the Design:** Connect frames using the Prototype tab in Figma. Link Home to Playlist, Playlist to Now Playing, and implement interactive transitions for Rollover and animated buttons.

Flowchart:



Wireframe:



Design:

