



DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY

Semester 6th | Practical Assignment | UI/UX Designing (2101CS614)

Date: 7/3/2025

Lab Practical #01:

Research and find out what are the current UI/UX design trends. Study of various templates. E.g. Metronic, AdminLTE, ArchitectUI, Material Dashboard, Argon Dashboard.

Practical Assignment #01:

Templates for clutter-free interfaces prioritize clean layouts and intuitive navigation, ensuring usability and clarity. They focus on eliminating unnecessary complexities to create seamless user experiences. Features such as screen readers, keyboard navigation, and multilingual support enhance inclusivity, catering to diverse user needs. These designs emphasize simplicity and accessibility, making interfaces both aesthetically pleasing and highly functional.

Description:

1. Metronic :

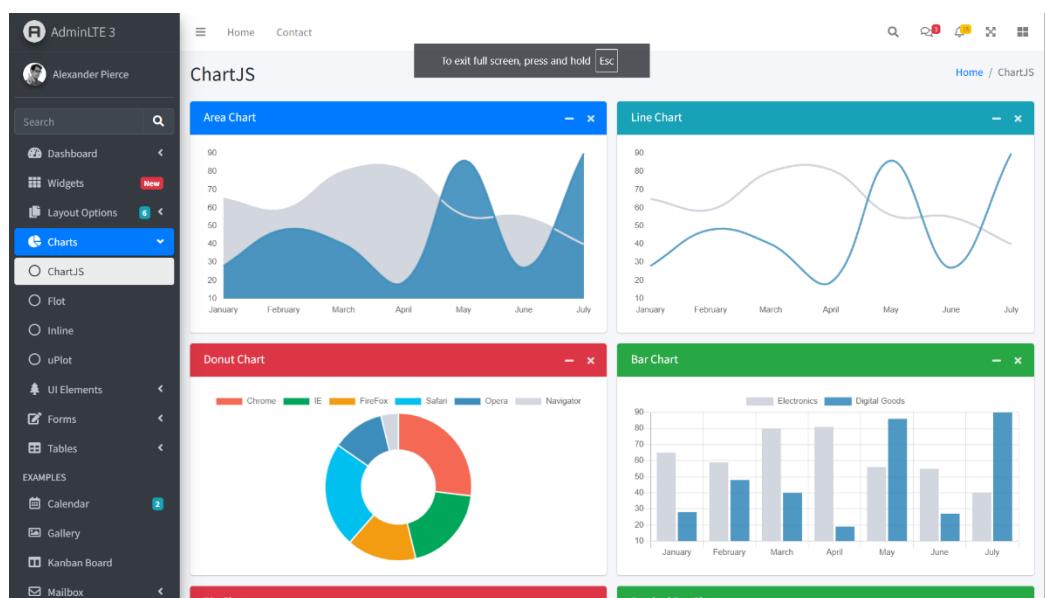
The screenshot displays the Metronic UI template. On the left, a sidebar menu includes options like Dashboard, Tables, Billing, Virtual Reality, and RTL. The main area shows a user profile for 'Sayo Kravits' (Public Relations) with fields for Username (lucky-jesse), Email address (jesse@example.com), First name (Jesse), Last name (Lucky), Address (Bld Mihail Kogalniceanu, nr. 8 Bl 1, Sc 1, Ap 09), City (New York), Country (United States), and Postal code (437300). Below this is a 'Connect' button, friend count (22), photo count (10), comment count (89), and a bio section for 'Mark Davis, 35' from Bucharest, Romania, who is a Solution Manager at Creative Tim Officer at the University of Computer Science. A 'Need help?' section with 'Documentation' and 'Upgrade to pro' buttons is also visible.

The screenshot shows a public profile page for 'Public Profile > Profiles'. The sidebar menu on the left lists categories such as Dashboards, USER (Public Profile, Profiles, Projects, 3 Columns, 2 Columns, Works, Teams, Network, Activity, Show 3 more), My Account (Network, Authentication), APPS (User Management, Soon, Soon, Soon, Soon), and eCommerce. The main content area features a 'About' section with a bio about an experienced professional, followed by 'Community Badges' (represented by icons) and 'Skills' (Web Design, Code Review, Figma). Below these are four user posts: 'Urban Dreams' by Cody Fisher, 'Timeless Elegance' by Jenny Wilson, 'Whispered Emotions' by Wade Warren, and 'Golden Serenity' by Albert Flores. Each post includes a thumbnail image, the user's name, and engagement metrics (likes, comments).

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- It provides professional-grade design and pre-built HTML templates.
- Metronic can be used for any type of web apps: custom admin dashboards, e-commerce servers, CMS, CRM, and SaaS. This set of UI components is part of the ASP.
- This is an adaptive and multifunction admin dashboard template, fitted with Twitter Bootstrap and AngularJS blocks. Metronic has a clear and user-friendly balanced design allowing you to make an attractive and easy-to-operate admin dashboard for website management.

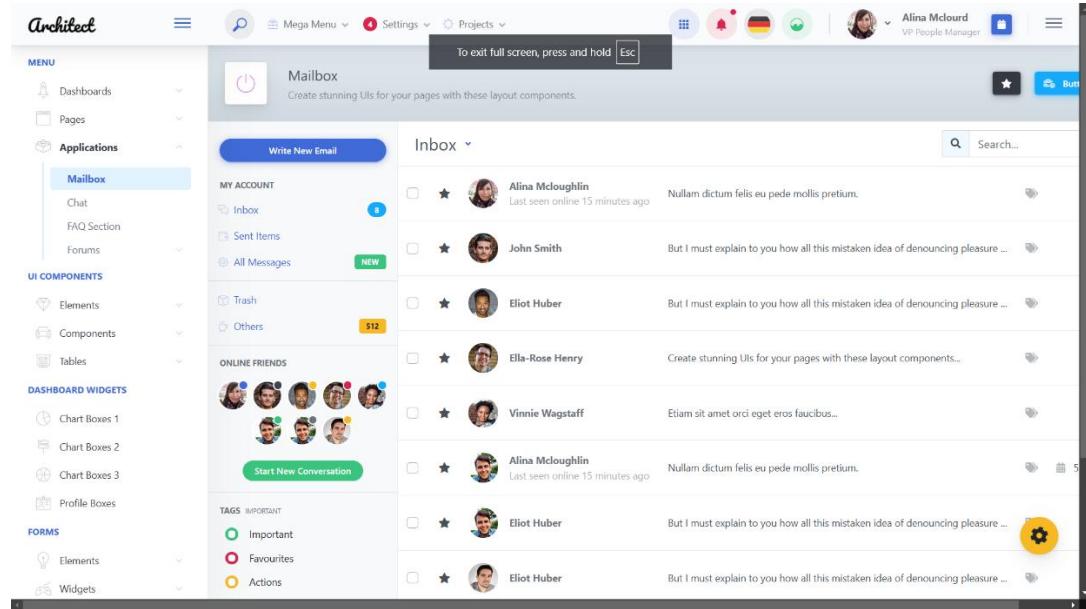
2. AdminLTE :



- AdminLTE is a popular open source WebApp template for admin dashboards and control panels. It is a responsive HTML template that is based on the CSS framework Bootstrap 3.
- AdminLTE is a free and open-source admin dashboard template or theme for web applications. It provides a set of HTML, CSS, and JavaScript files that can be easily integrated into web projects to create a responsive and user-friendly admin panel or dashboard.

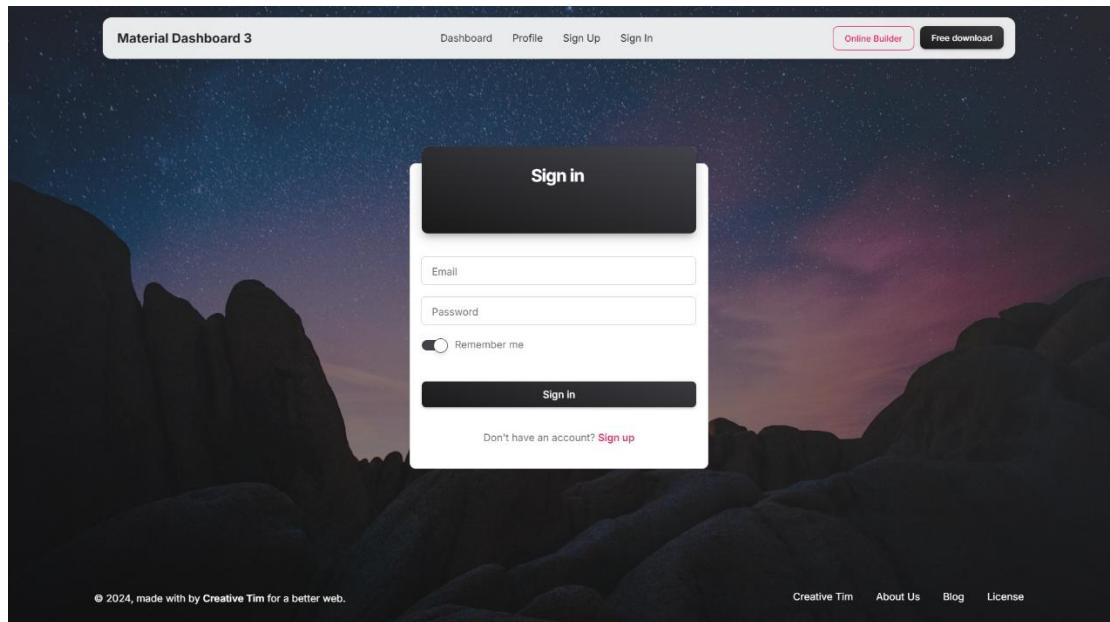
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3. ArchitectUI :



- ArchitectUI comes packed with elements, components and widgets nicely bundled together for perfect consistency, scalability and modularity.

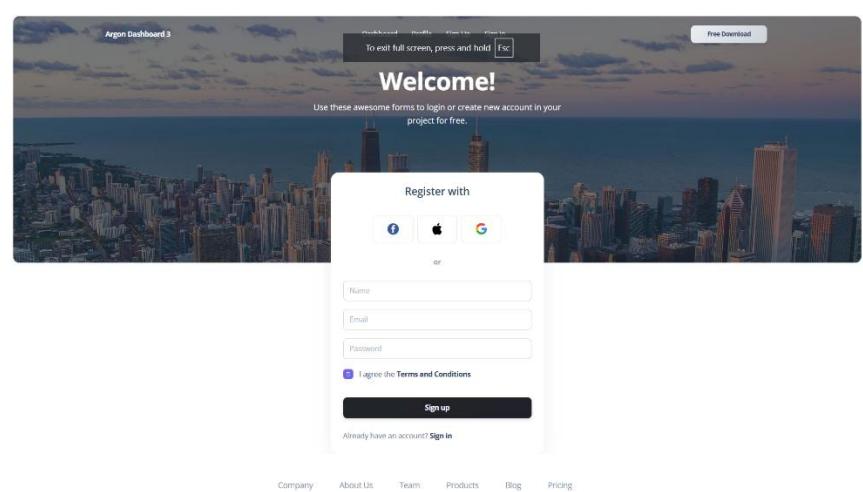
4. Material Dashboard :



- Material Dashboard makes use of light, surface and movement. The general layout resembles sheets of paper following multiple different layers, so that the depth and order is obvious.

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5. Argon Dashboard :



- Argon Dashboard React is built with over 100 individual components, giving you the freedom of choosing and combining. All components can take variations in color, that you can easily modify using SASS files.



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Lab Practical #02:

Install Figma on a local machine and understand the Figma software IDE.

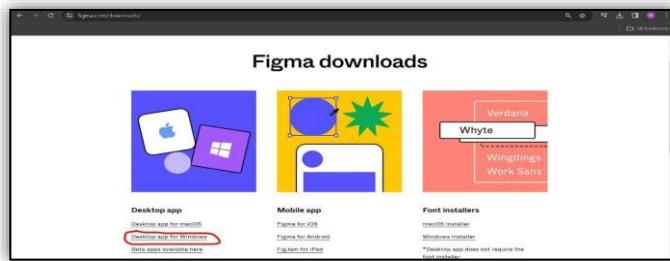
Practical Assignment #02:

Install Figma on your local machine by downloading the desktop app from Figma's website. Familiarize yourself with the software's interface, which includes a canvas for designing, layers and assets panels for organization, and powerful tools for creating, prototyping, and collaborating in real time. Take 2-3 screenshots of the work done to get familiar with the IDE.

Description:

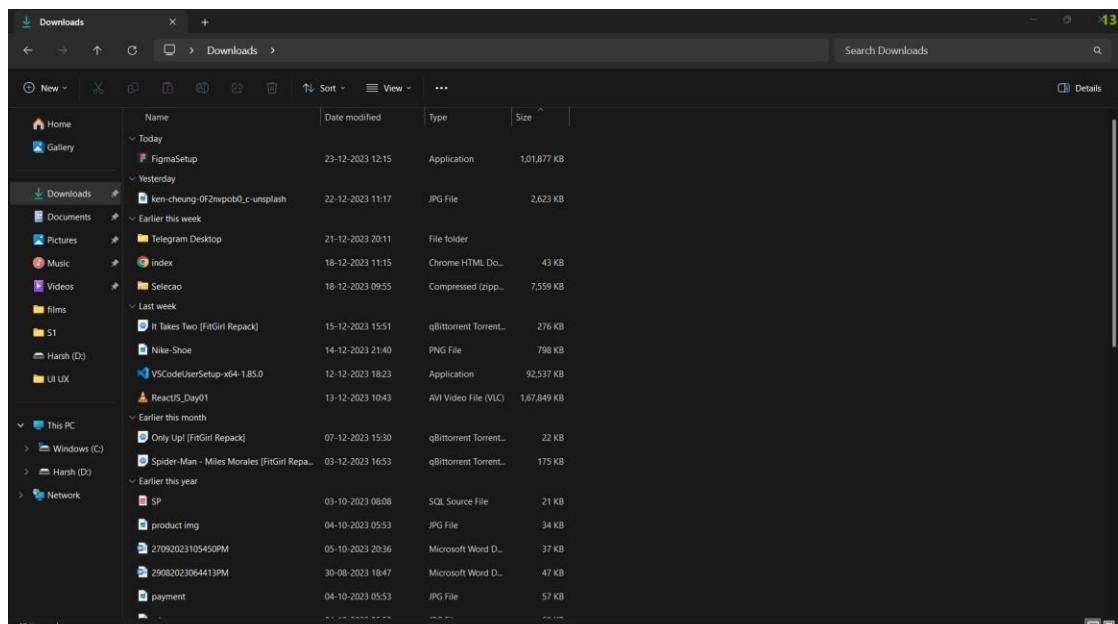
Step 1: -

To Download first of all you have to go to the official Figma website, and then go to the download section and Click on **Desktop App for Windows**.



Step 2: -

After Step 1 your set-up application file is Shown in downloads in This Pc, and then



double click on it to run Figma set-up file.

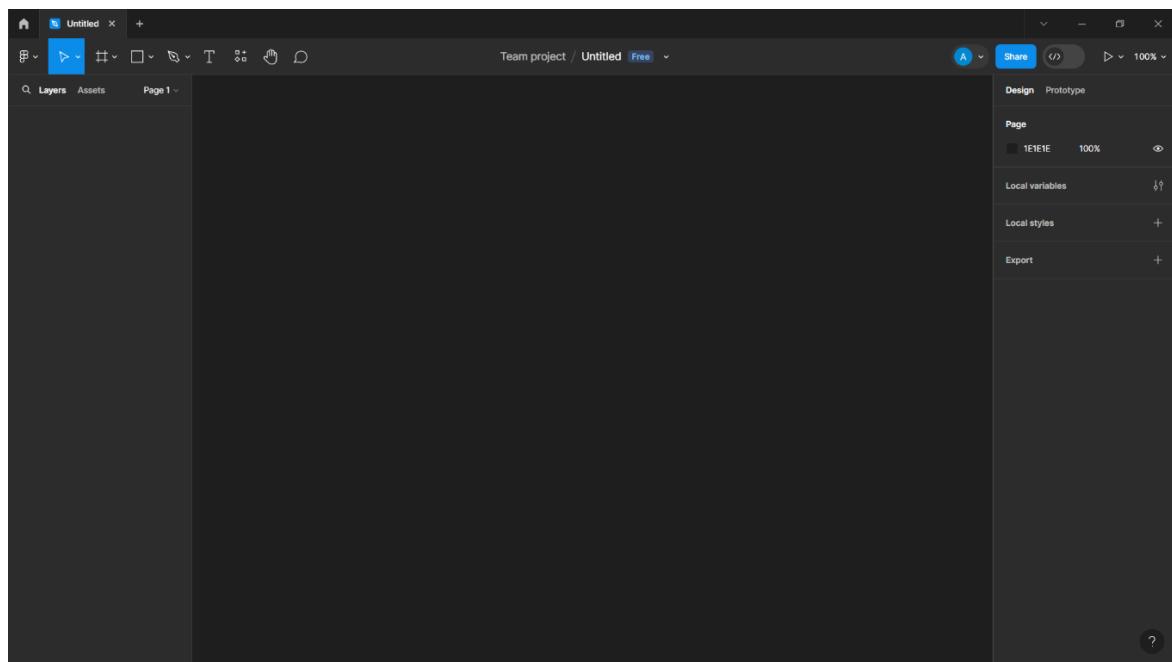


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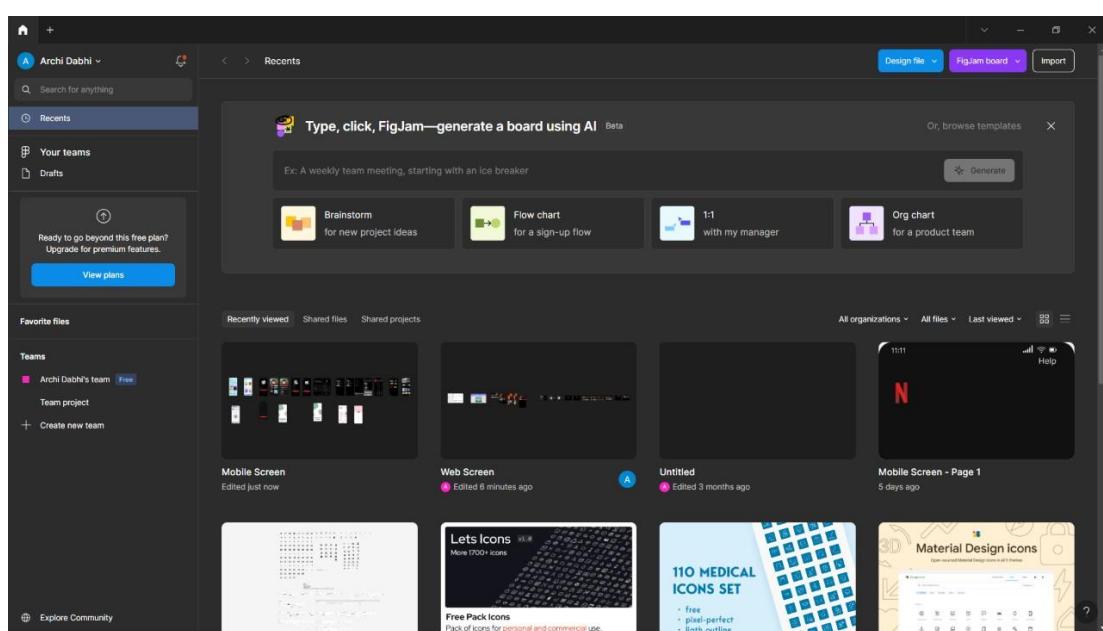
Step 3: -

After first 2 steps your Figma app is ready to use.

Step 4: -



After all this, click on + sign on the upper side to open your first design screen.





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Lab Practical #03:

Develop two mobile / web screen using the tools in the Figma software.

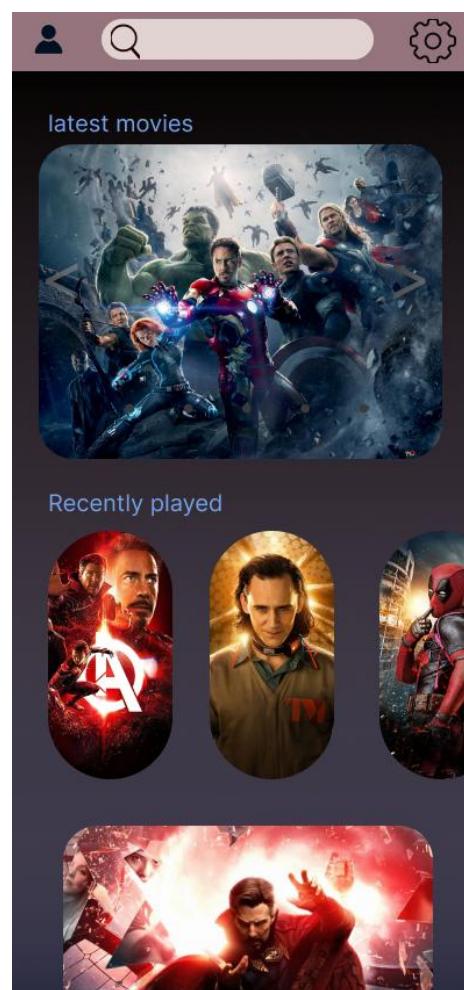
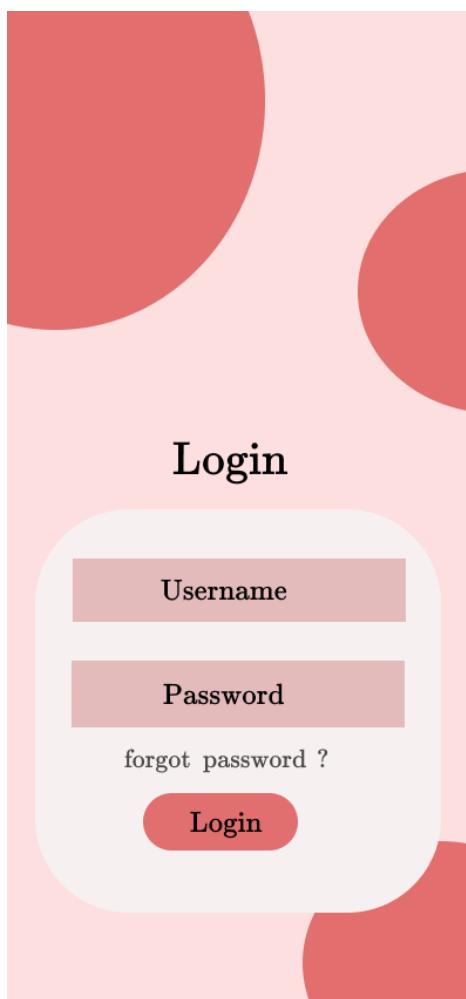
Practical Assignment #03:

Develop **two mobile / web screen** using the tools listed below:

Basic Tools: Position, Size, Rotation, Color Styles, Masks, Dark Mode with Selection Colors, Gradients, Creating Backgrounds

Description:

Mobile:





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Lab Practical #04:

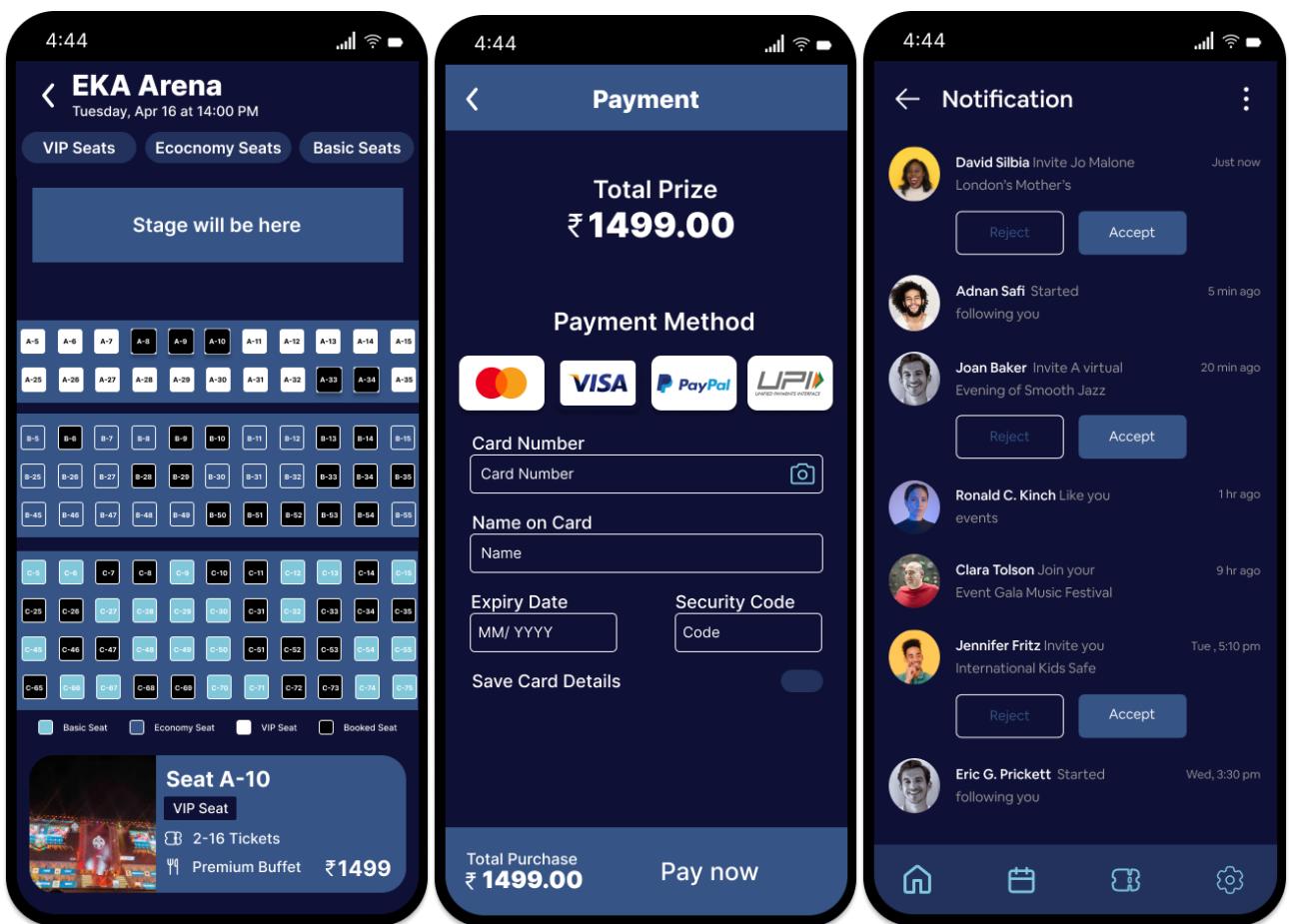
Develop two mobile / web screen using the tools in the Figma software.

Practical Assignment #04:

Develop **two mobile / web screen** using the tools listed below:

Blending Modes, Alignment, & Distribution, Union and Corner Radius, Shadow, Blur Effects, Using Images, Fill, & Stroke, Text Properties & Styles

Description:



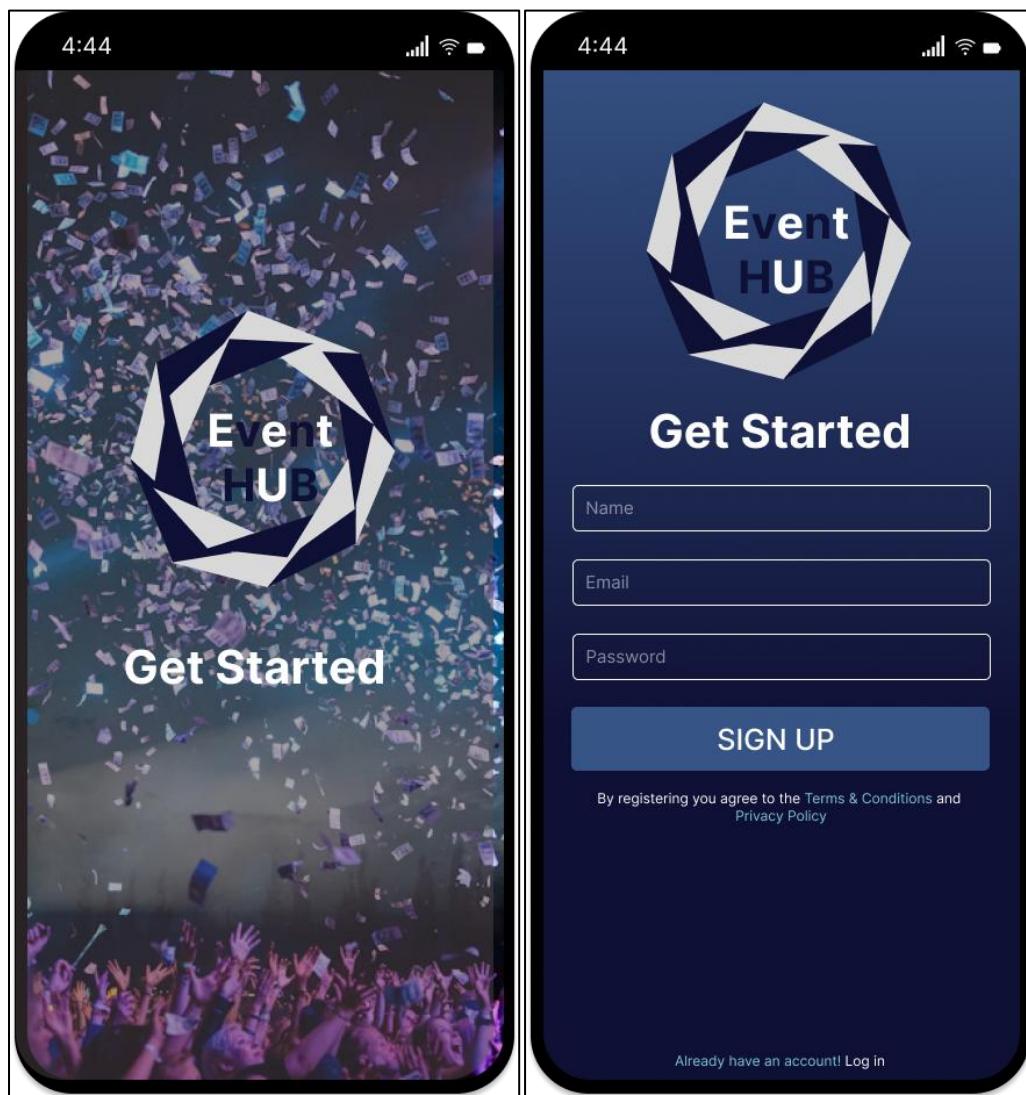
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Lab Practical #05:

Develop two mobile / web screen using the tools in the Figma software.

Practical Assignment #05:

Event booking Splash and login screen:





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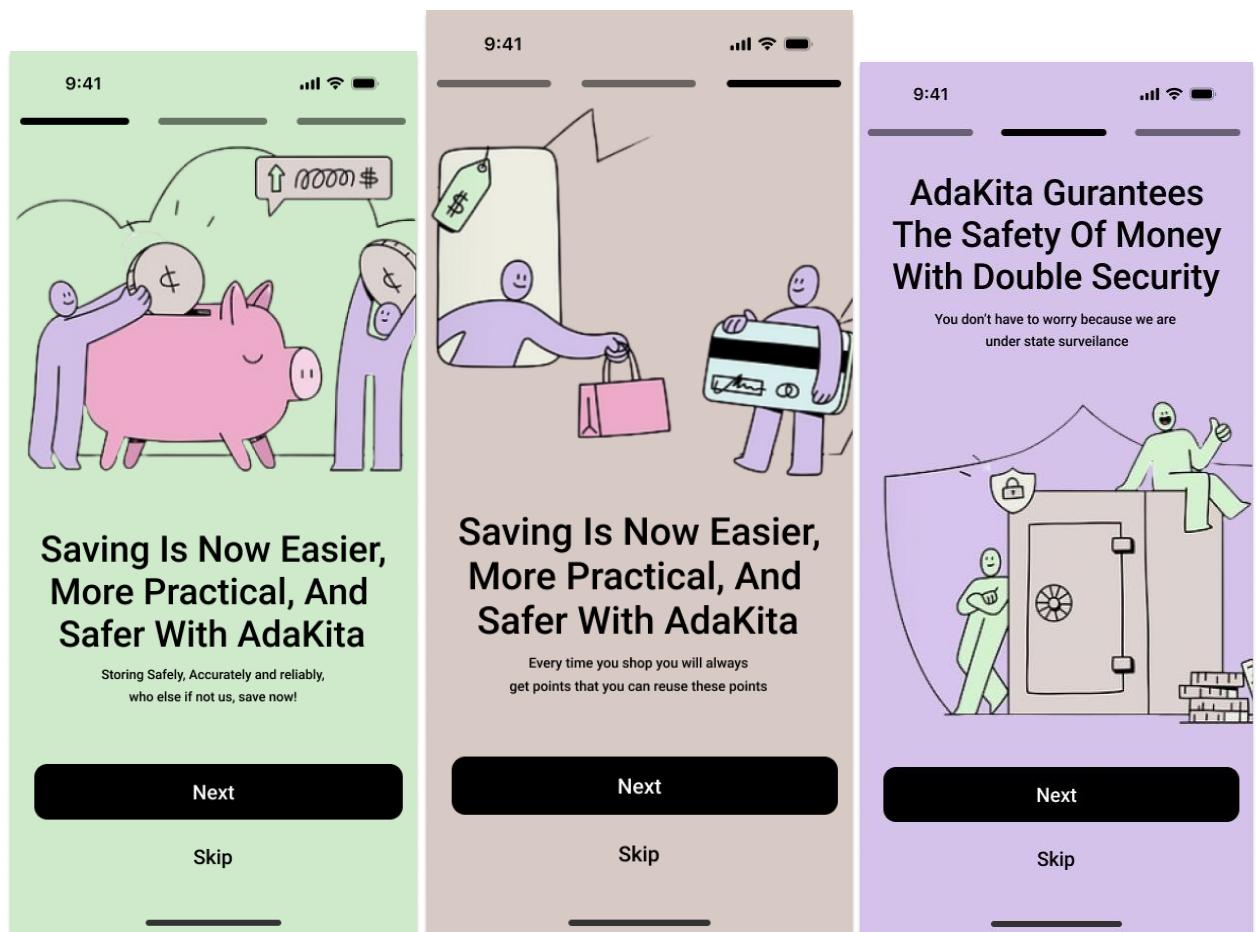
Lab Practical #06:

Design onboarding screen for a mobile app.

Practical Assignment #06:

Design a 3-screen onboarding flow for a mobile app that introduces users to the app's features. Use **Auto Layout** and **components** to ensure consistency.

Description:





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Lab Practical #07:

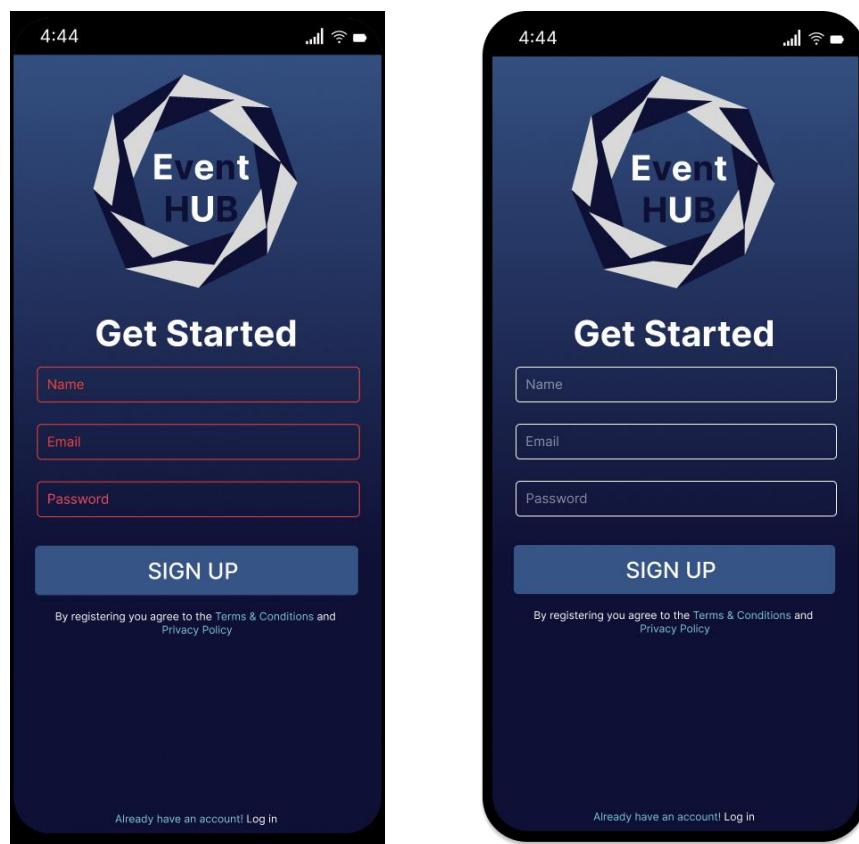
Build a single screen mobile app using form controls.

Practical Assignment #07:

Build a form with multiple fields using Auto Layout in Figma. Ensure the fields realign responsively when resized.

Description:

Using variable and variant create form control and auto layout set

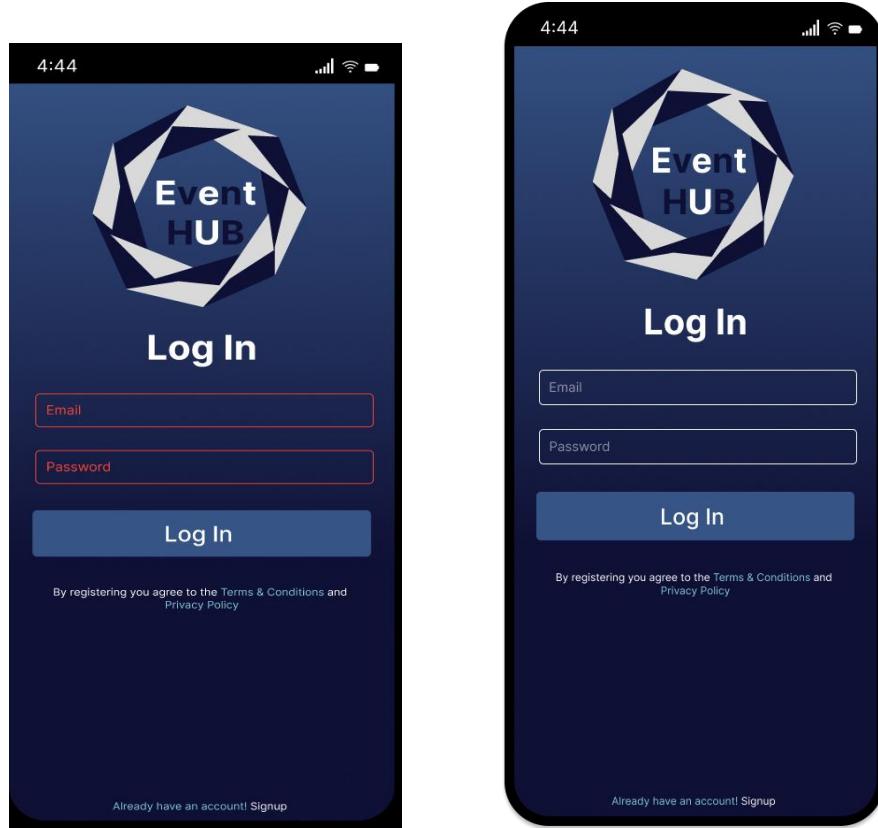




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Lab Practical #08:

Prepare the mood board for the Food Delivery App or app assigned to you or for the project you have. Prepare the typography and color style guides in the Figma.

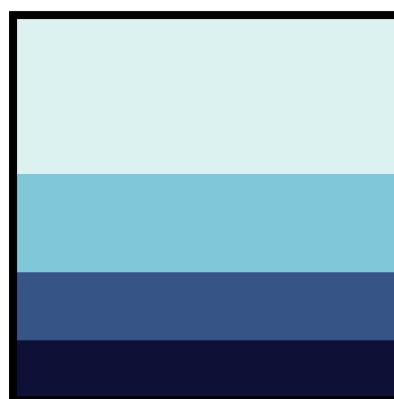
Practical Assignment #08:

In this lab, you will design a mood board to define the visual direction, and create typography and color style guides in Figma to establish a consistent look and feel for the food delivery app.

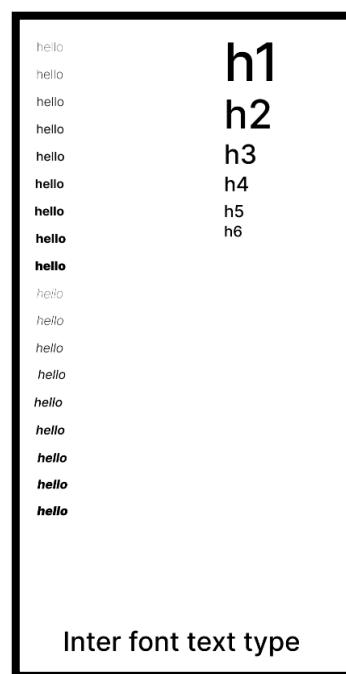
Description:

Moodboard for event hub app:

Color style:



Typography:





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Lab Practical #09:

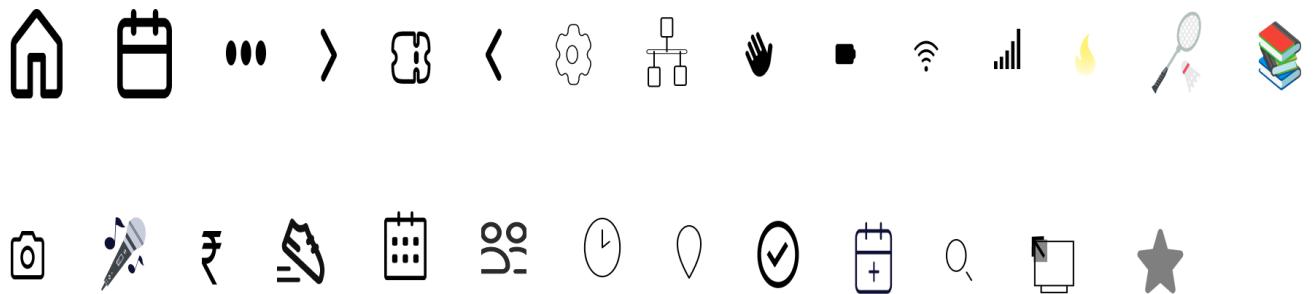
Place an appropriate and consistent icon pack and use it to design the Food Delivery app / your project application.

Practical Assignment #09:

In this lab, you will select and apply an appropriate icon pack to maintain a cohesive visual language throughout the app. You'll ensure that the icons enhance usability and complement the overall design, improving the user experience across various screens and functionalities.

Description:

All icons use in my event hub app





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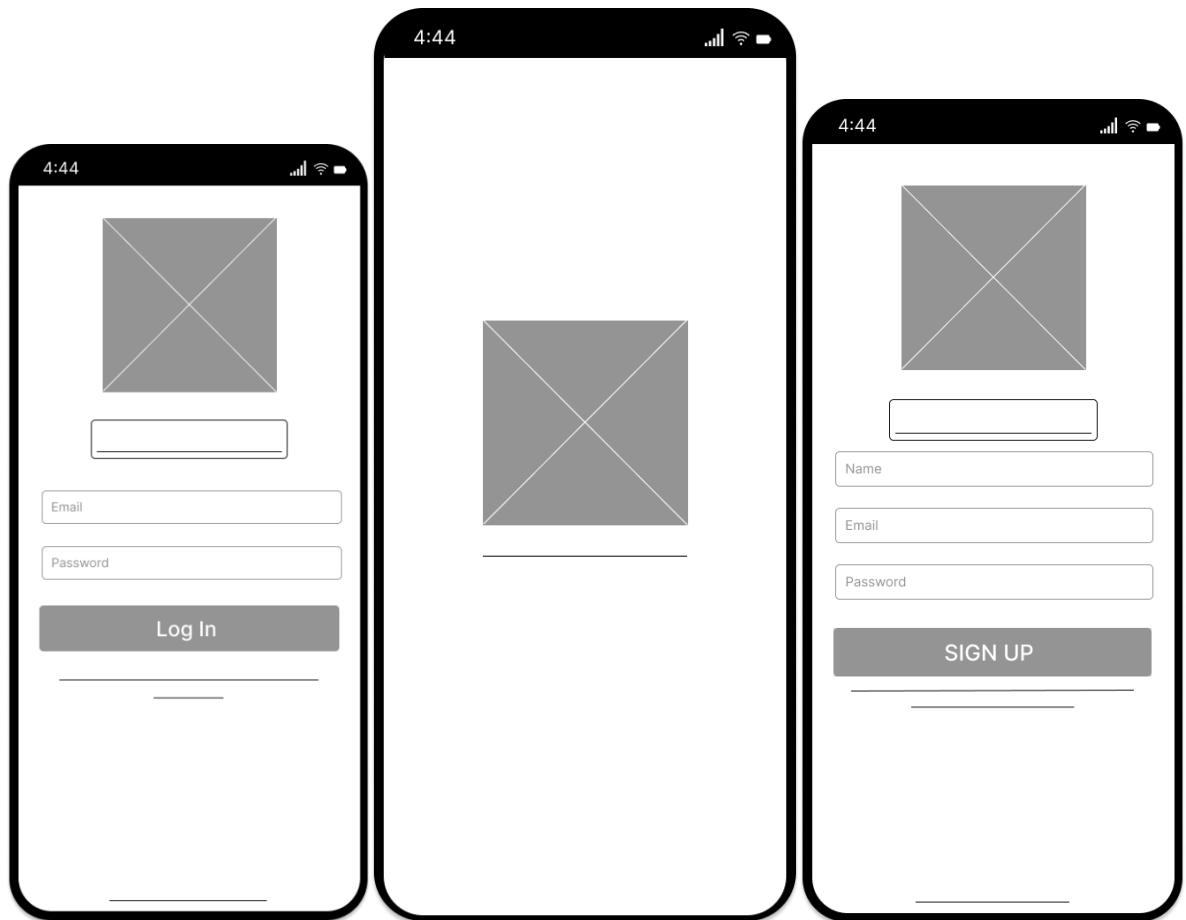
Lab Practical #10:

Create a user flow design using the Low-Fidelity wireframes for the Food Delivery app or for the project assigned.

Practical Assignment #10:

In this lab, you will create low-fidelity wireframes following the user flow to visually outline the app's structure and layout. These wireframes will help map key interactions and navigation paths, providing a clear blueprint for the app's design and functionality before moving to higher fidelity prototypes.

Description:

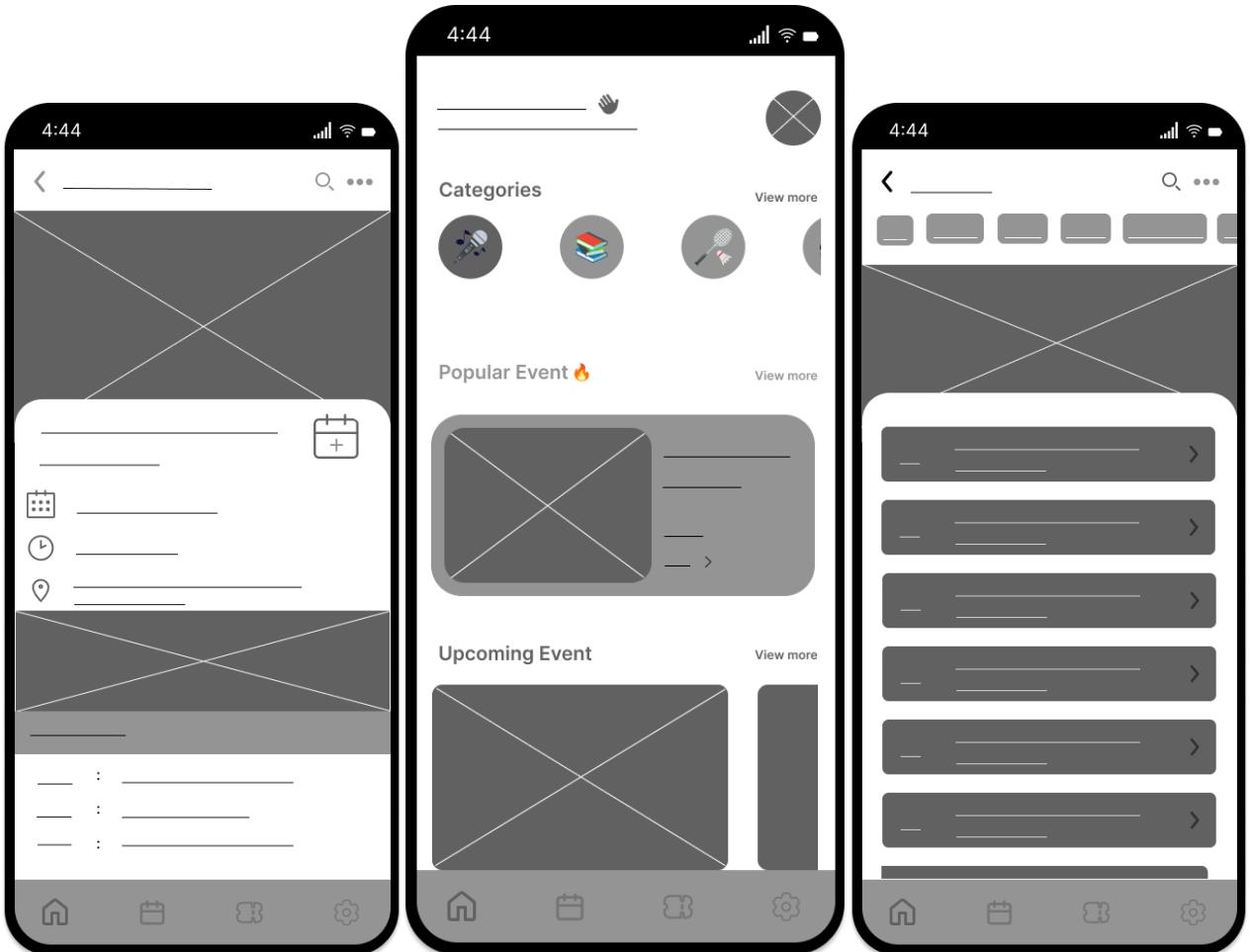




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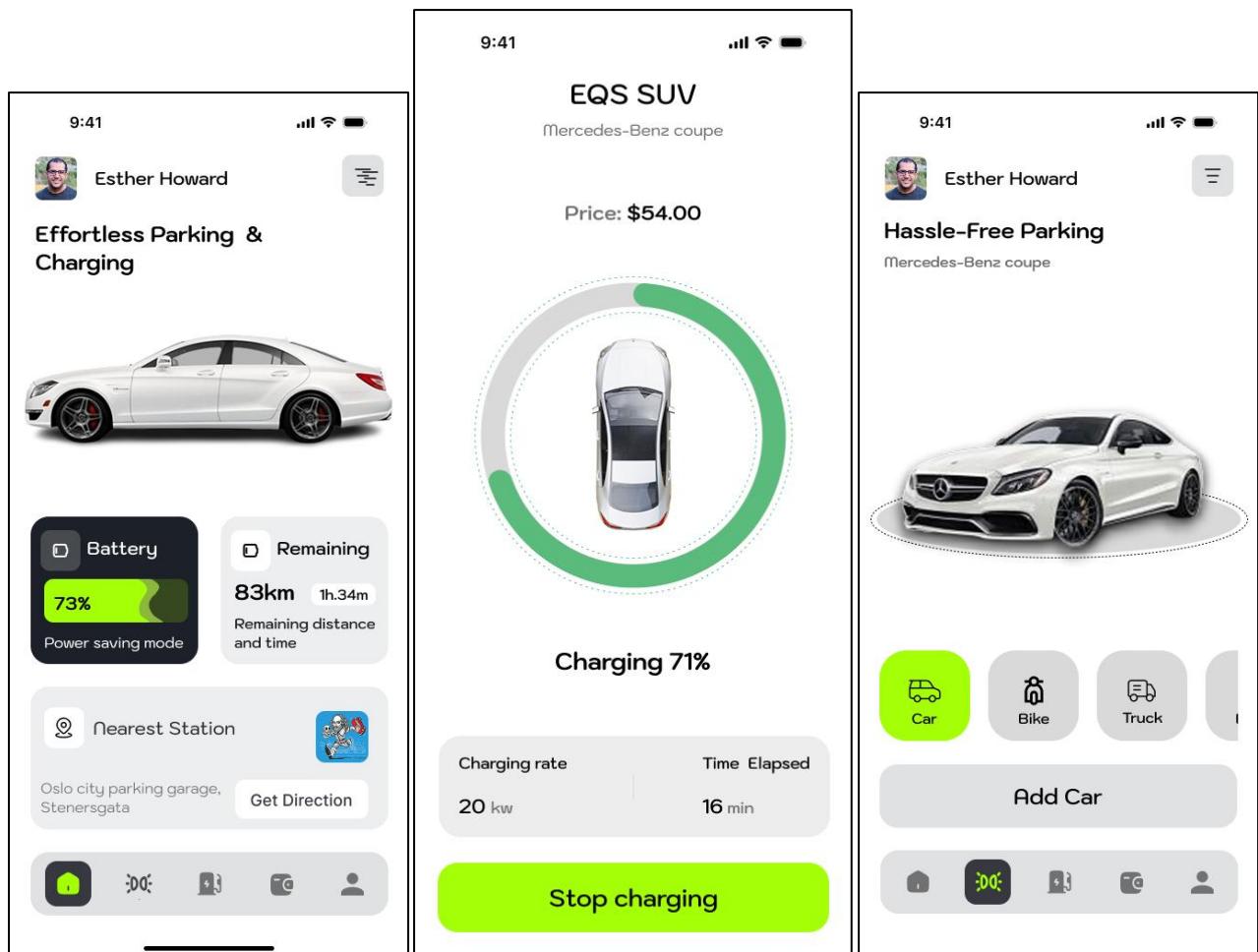
Lab Practical #11:

Following Up with the finalized Lo-Fi wireframes, Design the High-Fidelity UI for the project assigned. Create Interactive Prototype of High-Fidelity design.

Practical Assignment #11:

You will refine the finalized low-fidelity wireframes into high-fidelity user interface designs for the car parking and charging portal. Additionally, you will create an interactive prototype to showcase the app's functionality and user experience, allowing for user testing and feedback before the final development phase.

Description:





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Lab Practical #12:

Prepare a Full-fledged case study on the UI/UX design you did for the event booking.

Practical Assignment #12:

You will compile a comprehensive case study detailing the UI/UX design process for the event booking. This will include user research, persona development, information architecture, wireframes, high-fidelity designs, and usability testing outcomes. By documenting each phase of the project, you'll provide insights into design decisions, challenges faced, and how user feedback shaped the final product, ultimately showcasing your design thinking and problem-solving skills.

Description:

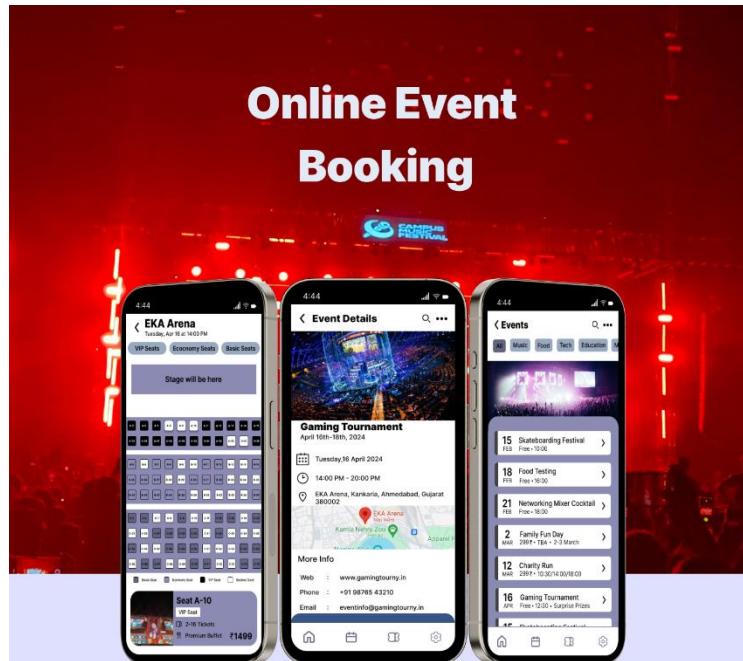
Behance project link:

<https://www.behance.net/gallery/220908065/Event-Booking>

Case study of Event Booking app:

The image consists of two parts. On the left, there is a dark-themed presentation slide with white text. At the top, it says "EVENT BOOKING MOBILE APP DESIGN". Below that is a paragraph describing the app as a user-centric platform for event discovery and booking. At the bottom is a blue button labeled "Case Study Presentation". On the right, there is a screenshot of a mobile phone displaying the "Event Booking" app's interface. The phone shows a dark blue header with the text "Hello, Ander" and "Let's find good event!". Below the header are four category icons: Music (microphone), Education (book), Sports (racket), and Wed (wedding ring). There is also a "View more" link. Underneath these are sections for "Popular Event" (with a thumbnail for "Live Music Festival" and "March 11 - 12 PM") and "Upcoming Event" (with a "View more" link).

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Industry

Event Booking

Country

India

My Role

UI/UX | UX Research
| Branding

Project overview

The Event Booking App is designed to provide a seamless platform for users to discover, book, and manage event tickets effortlessly. It simplifies the process of finding events, securing tickets, and receiving real-time updates while offering event organizers a dashboard to manage their listings.

Problem statement

Many users face difficulties in discovering and booking events due to complex interfaces, limited event details, and inefficient ticketing systems. Event organizers also struggle with managing listings, tracking sales, and engaging with attendees. The Event Booking App aims to simplify this process with a seamless, user-friendly solution.

Challenges

- User Engagement & Retention – Ensuring an intuitive and engaging UI/UX to enhance user experience and keep users actively booking events.
- Seamless Ticketing & Payments – Integrating a secure, fast, and reliable payment system to handle multiple transactions smoothly.
- Real-Time Updates & Notifications – Implementing instant event updates, ticket availability alerts, and reminders without delays.
- Scalability & Performance – Managing high traffic loads during peak event times while maintaining fast response times.

Approach

- Empathize – Conducted user research, surveys, and interviews to understand the pain points of attendees and event organizers in discovering, booking, and managing events.
- Define – Identified core challenges such as complex booking processes, lack of real-time updates, and difficulties in event management. Framed a problem statement focusing on creating a seamless and efficient event booking experience.
- Ideate – Brainstormed and explored multiple solutions, including AI-powered event recommendations, a streamlined ticketing system, and an organizer-friendly dashboard. Selected the best ideas for implementation.
- Prototype – Designed low-fidelity wireframes and interactive high-fidelity UI prototypes to visualize user journeys and test different layouts and functionalities.
- Test – Conducted usability testing with real users, gathered feedback, iterated on design improvements, and refined features to enhance user experience and functionality.

The solution

The project involves creating a user-friendly Event Booking App that simplifies event discovery, ticket booking, and event management. It aims to provide a seamless experience with an intuitive design, personalized event recommendations, secure payment processing, real-time notifications, and an organizer dashboard for efficient event handling. The goal is to enhance user engagement, streamline ticketing, and ensure a smooth booking process through a well-structured app interface and feature-rich functionalities.

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User Research

Empathise:

To understand the needs and pain points of our target audience, I conducted user surveys and interviews with individuals who frequently attend events and event organizers. A total of 24 responses were recorded, and based on the insights gathered, here are the key findings:

Questions

- How do you usually find events to attend?
- What challenges do you face when booking event tickets?
- Q4: Have you ever faced issues with fake tickets or payment security?
- How do you currently promote your events? Organizers

Answers

- 40% use social media, 30% rely on word-of-mouth, and 30% browse event platforms.
- 50% find the booking process too complex, 35% struggle with payment issues, and 15% face last-minute ticket unavailability.
- 55% expressed concerns about ticket fraud and lack of secure payment options.
- 50% use social media ads, 30% rely on email marketing, and 20% use event listing websites.

User Persona



Freda Felix

AGE	22
PROFESSION	Marketing Executive
Location	Ahmedabad, India
Interests	Concerts, Tech Conferences,

"I wish I could find and book my favorite events in just a few taps without worrying about ticket fraud or last-minute issues!"

About him/her

Freda Felix is a young professional who loves attending events to network, learn, and enjoy entertainment experiences. She prefers a smooth and quick booking process with real-time event updates.

Goals

- Easily discover events that match her interests.
- Quickly book tickets without complicated steps.
- Receive timely reminders and updates about upcoming events.
- Find trustworthy reviews before purchasing tickets.

Motivation

- Expanding her professional network through industry events.
- Exploring entertainment and cultural experiences in her city.
- Availing exclusive early-bird discounts and VIP access.

Frustrations

- Struggles with last-minute ticket unavailability.
- Finds ticket refund and cancellation policies unclear.
- Hates going through multiple steps for event registration.

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Enrollment No: - 22010101443

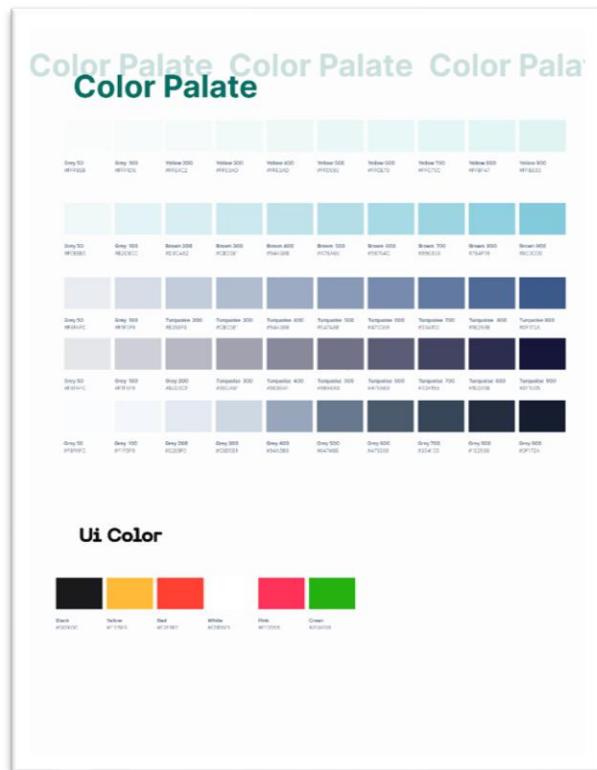
| BTech. (CSE)



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Ui Color



Typography

Type tells a story. The right typeface, used consistently builds character. This font uses modern foundational forms with a broad range of attitude.

H1 60px (3.75rem) Letter Spacing -0.25px Line Height 110%

H2 48px (3rem) Letter Spacing -0.25px Line Height 120%

H3 38px (2.375rem) Letter Spacing -0.25px Line Height 117%

H4 30px (1.875rem) Letter Spacing -0.25px Line Height 125%

H5 24px (1.5rem) Letter Spacing -0.25px Line Height 150%

H6 H6 - Strong 20px (1.25rem) Letter Spacing -0.25px Line Height 160%

Governance, Security, Insurance for Every Business

When Cyber Security Meets Compliance Our Cyber Sherpas

Take Complexity and Guesswork Out of Compliance

Assess your cyber hygiene, strengthen your security posture and continuously monitor risks and non-compliance.

Assess your cyber hygiene, strengthen
your security posture and continuously
monitor risks and non-compliance.

Assess your cyber hygiene, strengthen
your security posture and continuously
monitor risks and non-compliance.

Typography

Type tells a story. The right typeface, used consistently builds character. This font uses modern foundational forms with a broad range of attitude.

P
18px (1.125rem)
Letter Spacing 0px
Line Height 155%

Assess your cyber hygiene, strengthen your
security posture and continuously monitor risks and
non-compliance.

P - Strong
18px (1.125rem)
Letter Spacing 0px
Line Height 155%

Assess your cyber hygiene, strengthen your
security posture and continuously monitor risks and non-
compliance.

Filter
16px (1rem)
Letter Spacing 0px
Line Height 150%

Assess your cyber hygiene, strengthen your security
posture and continuously monitor risks and non-
compliance.

Filter - Strong
16px (1rem)
Letter Spacing 0px
Line Height 150%

Assess your cyber hygiene, strengthen your security
posture and continuously monitor risks and non-
compliance.

Caption
14px (0.875rem)
Letter Spacing 0px
Line Height 160%

Assess your cyber hygiene, strengthen your security posture
and continuously monitor risks and non-compliance.

Button
14px (0.875rem)
Letter Spacing 0px
Line Height 160%

Request Demo

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User Interface **User Interface** **User Interface**

HOME SCREEN

The Home Screen provides a personalized event discovery experience with AI-driven recommendations, search and filter options, and quick-access categories. It showcases trending and upcoming events, allows users to save favorites, and provides real-time updates on bookings. The goal is to ensure seamless navigation and easy access to events of interest.

LOGIN & SIGNUP

The Login & Signup feature ensures secure user authentication with multiple sign-in options, including email, phone OTP, and social media login. The Signup process collects essential details like name, email, and preferences to personalize the experience. Users can reset passwords, manage profiles, and enjoy a seamless onboarding process.

EVENT DETAILS & LOCATION PAGE

The Event Details Page provides key information like event name, date, time, description, pricing, and organizer details. It includes an interactive map for venue navigation, ticket booking options, and user reviews. Users can save, share, and get directions for a seamless event experience.

BOOK SEAT & PAYMENT

The Book Seat & Payment feature allows users to select seats (if applicable), choose ticket types, and proceed with a secure checkout. Multiple payment options like credit/debit cards, UPI wallets, and net banking ensure a smooth transaction. Users receive instant booking confirmation and e-tickets, with refund/cancellation options if applicable.

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MY BOOKING PAGE & QR CODE FOR EASY CHECK-IN

The My Booking page displays upcoming and past event tickets with a QR code for easy check-in, e-ticket downloads, and refund options. The Profile Page allows users to manage personal details, saved events, payment history, and notification settings for a personalized experience.

NOTIFICATION PAGE

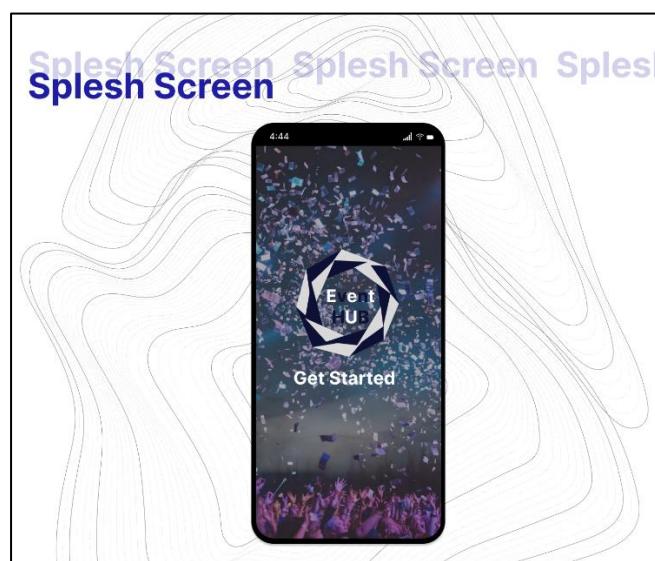
The Notification Page keeps users updated with event reminders, booking confirmations, exclusive offers, and real-time updates. Users can customize notification preferences for alerts like ticket availability, discounts, and last-minute changes to ensure they never miss important updates.

SETTINGS PAGE & SEARCH PAGE

The Settings Page allows users to customize their experience, including notification preferences, account management, and privacy settings. It includes a Light/Dark Mode toggle for UI customization. The Search Page enables users to find events quickly using keywords, filters (date, category, location, price), and AI-driven recommendations for a seamless discovery experience.

BOOK SEAT & PAYMENT

The Feedback & Rating Page allows users to rate events, share reviews, and provide feedback on their experience. It includes a star rating system, comment section, and optional image uploads. Organizers can use this feedback to improve future events, ensuring a better user experience.



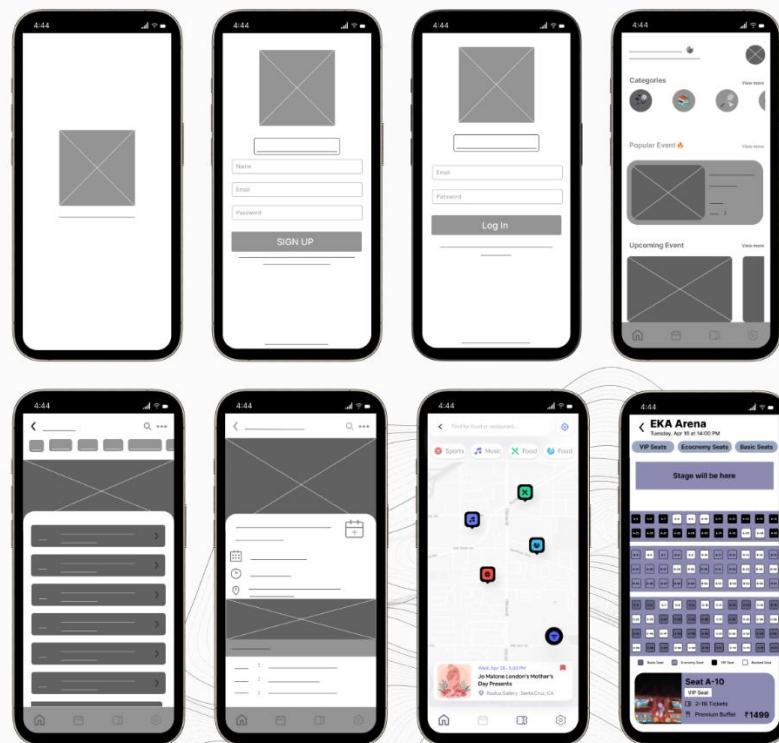
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More screens, more screens, More screens with Light Mode

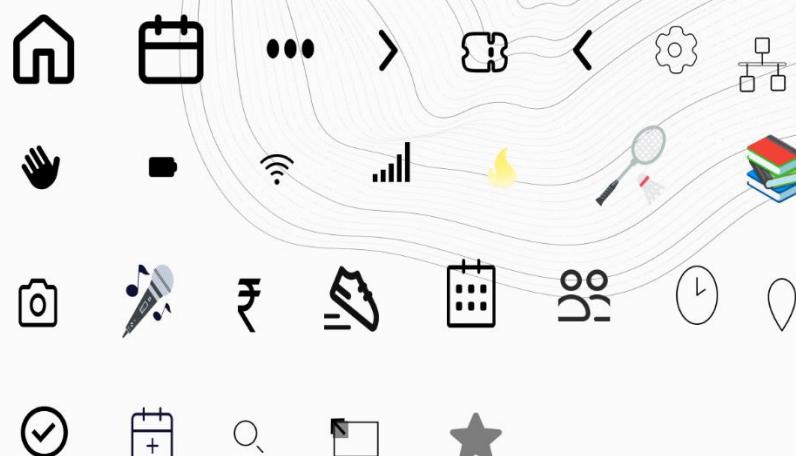
The image displays a collection of 15 mobile phone screens arranged in a grid, illustrating a user interface for an event booking application. The screens show various features such as event listing, payment processing, user profiles, and feedback submission. The overall design is clean and modern, utilizing a light mode color scheme.

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Low-Fidelity



Icons Set





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Lab Practical #13:

Create a profile on Behance.com and upload your case study on the platform.

Practical Assignment #13:

In this lab, you will create a profile on Behance.com and upload your UI/UX case study to showcase your design work, making it accessible to potential clients, employers, and the design community.

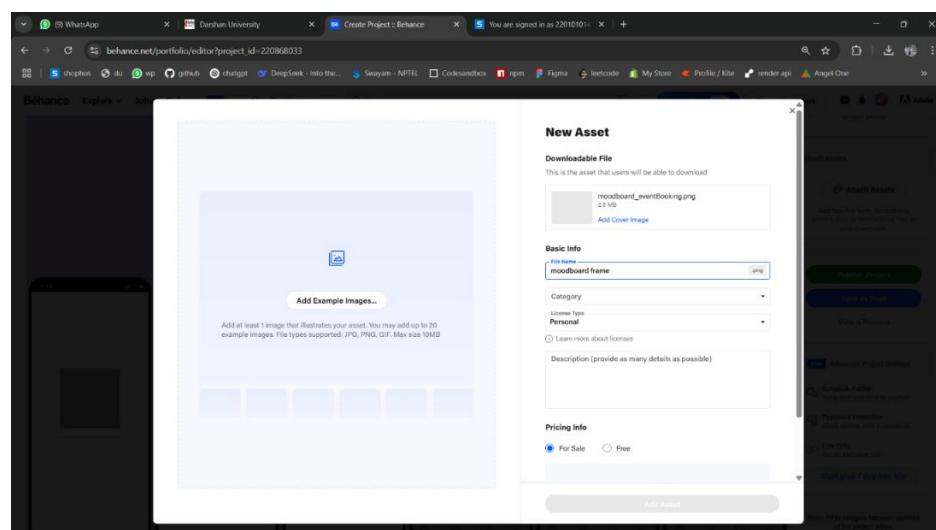
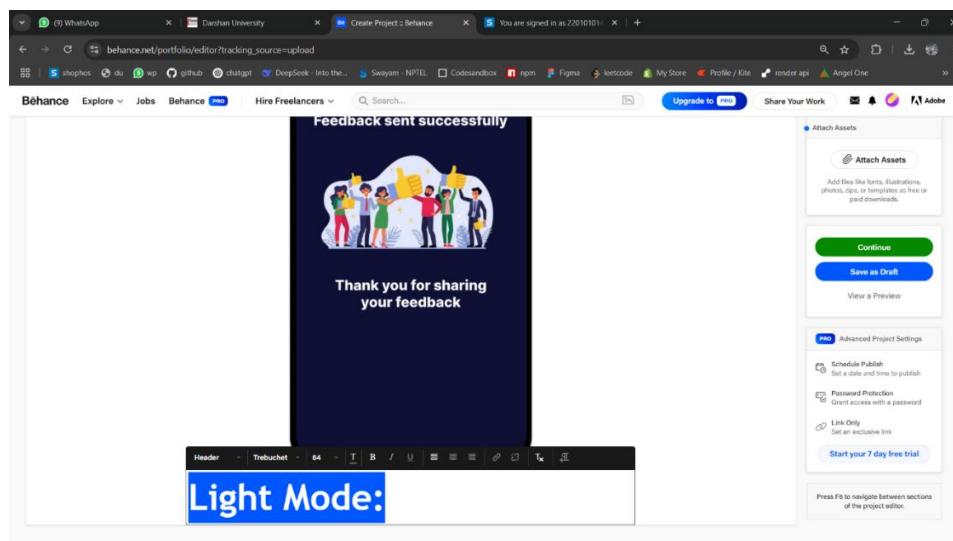
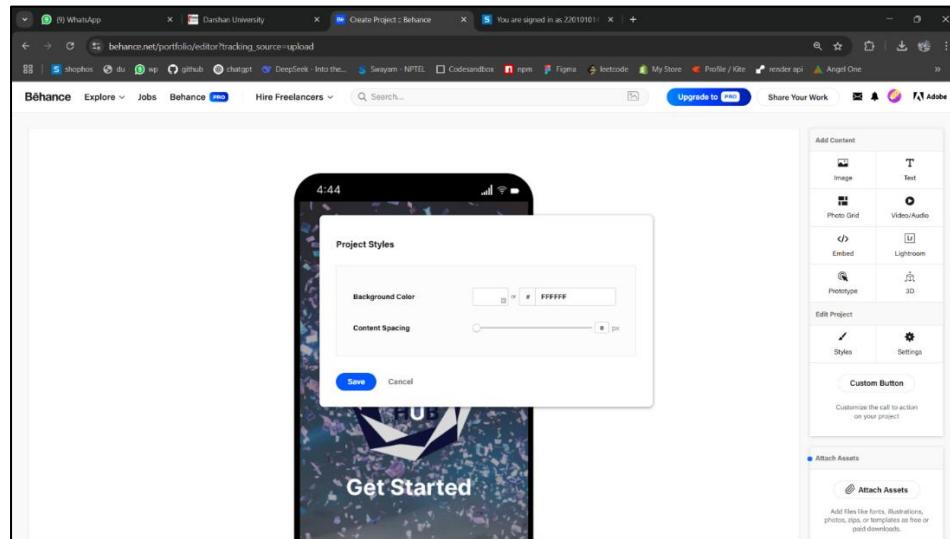
Description:

Create profile in behance.com

The screenshot shows a Behance profile page for a user named Niravkumar Kagathara. At the top, there's a placeholder for a banner image with a download icon and text: "Add a Banner Image" and "Optimal dimensions 3200 x 410px". Below the banner area, the user's profile picture is displayed, which is a pencil writing on a piece of paper. The profile information includes the name "Niravkumar Kagathara", location "India", and a "Edit Profile Info" button. To the right of the profile picture, there are tabs for "Work", "Services", "Adobe Stock", "Moodboards", "Appreciations", "Your Stats", and "Drafts". A "Try Behance Pro" banner is visible, offering a 7-day free trial. On the right side of the main content area, there's a "Views by Location" section showing views from the United States (384) and the United Kingdom (327). A "Profile Checklist" sidebar lists four items: "Add your profile photo", "Claim your profile URL", "Edit your availability", and "Create your first project". At the bottom of the page, there are links for "More Behance", "English", "Try Behance Pro", "TOU", "Privacy", "Community", "Help", "Cookie preferences", and "Do not sell or share my personal information".

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Upload Case study Steps:





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