



GREENDZINE TECHNOLOGIES PVT LTD

Web Development Assignment

Problem statement:

In today's digital landscape, users often reuse the same password across multiple platforms, making them vulnerable to security breaches if any platform's credentials are leaked. This increases the risk of unauthorized access and compromises user data and privacy.

To address this issue, we aim to design and develop a secure authentication system that replaces traditional password-based logins with an OTP (One-Time Password)-based method. The objective is to ensure that user access is safeguarded through a more secure and dynamic authentication mechanism.

Objectives:

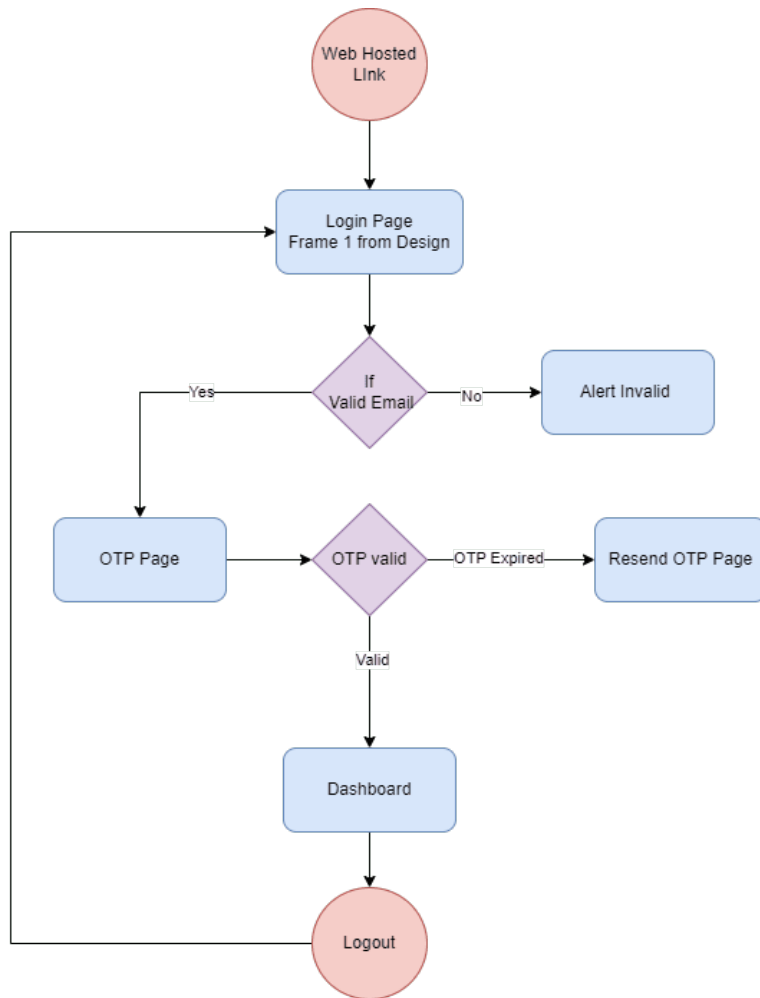
1. **Authentication Method:** Implement OTP-based login to replace password authentication, ensuring enhanced security and user convenience.
2. **Design Consistency:** The web application's design should adhere strictly to the provided screens, including color schemes, typography, layouts, and other visual elements.
3. **Development:** Create a fully functional prototype of the application, including a front-end that utilizes local storage or data.json files to manage OTP-related data. Generate a random OTP and display it as an alert. If the user enters the correct OTP within 30 seconds, navigate them to the dashboard. If the OTP expires or is incorrect, redirect them to a page to resend the OTP.
4. **Deployment:** Host the application on a reliable platform such as Netlify, Vercel, or similar hosting services for client and any function as a service for endpoints.

Tech Stack to be used:

1. React Js only with Chartjs / Apex Chart for Charts feature.
2. Hash-router only for navigation between screens
3. Alert randomly generated OTP



App Screen Flow Diagram:



Design File Link:

1. <https://xd.adobe.com/view/6bf610a7-1162-4514-8f9e-da88cdc4c335-3ea5/>

2. Prototype Flow: [link](#)

(Desktop UI design and Prototype is in the link)

Note: Assets are also downloadable and use the same assets only.



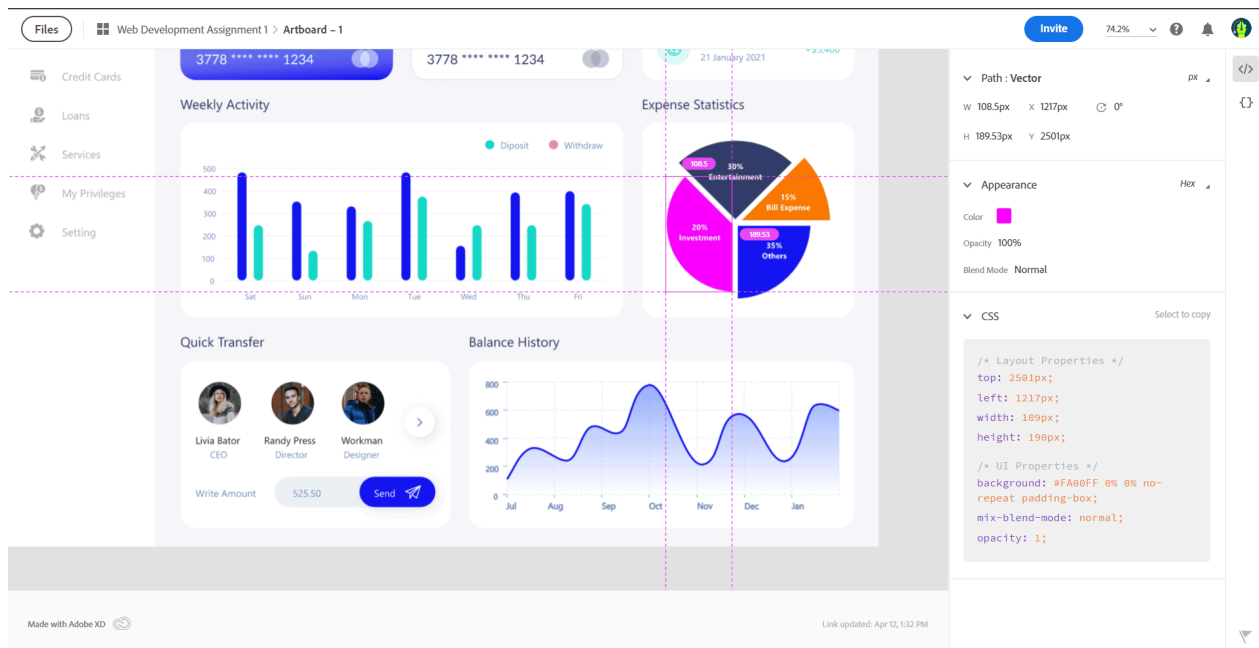
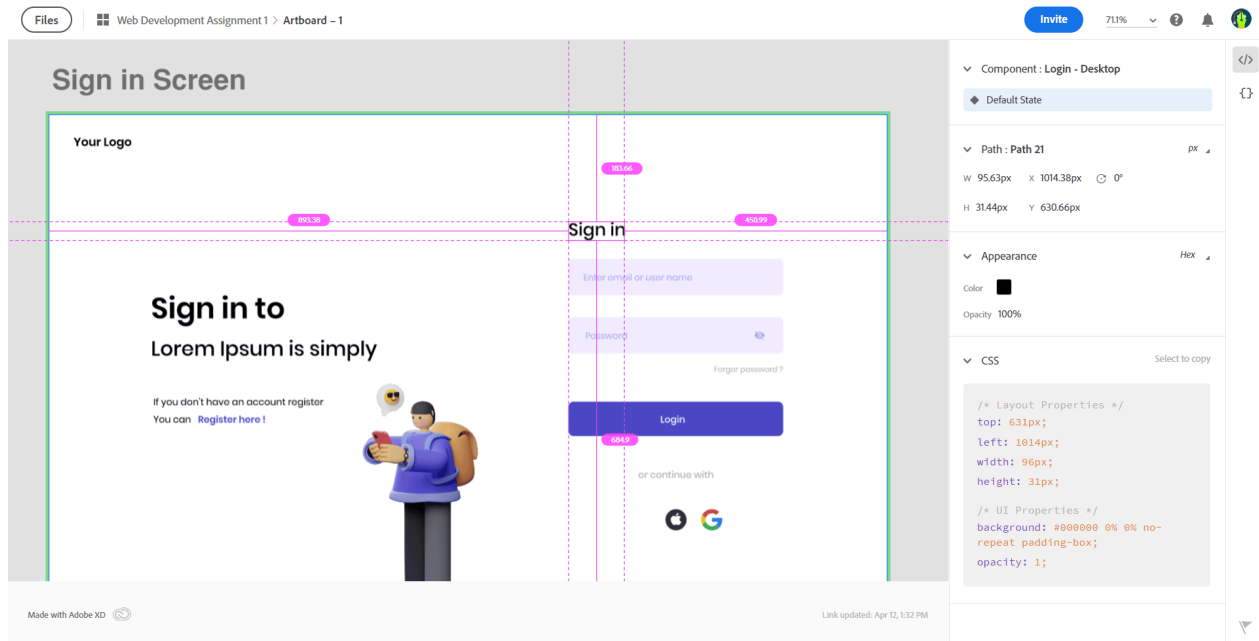
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Tutorial To Use Adobe XD:

1.You can Use Ctrl + Left Click to select the layout and see all css properties.

Outer layout selection click once , double click to select inner layouts.



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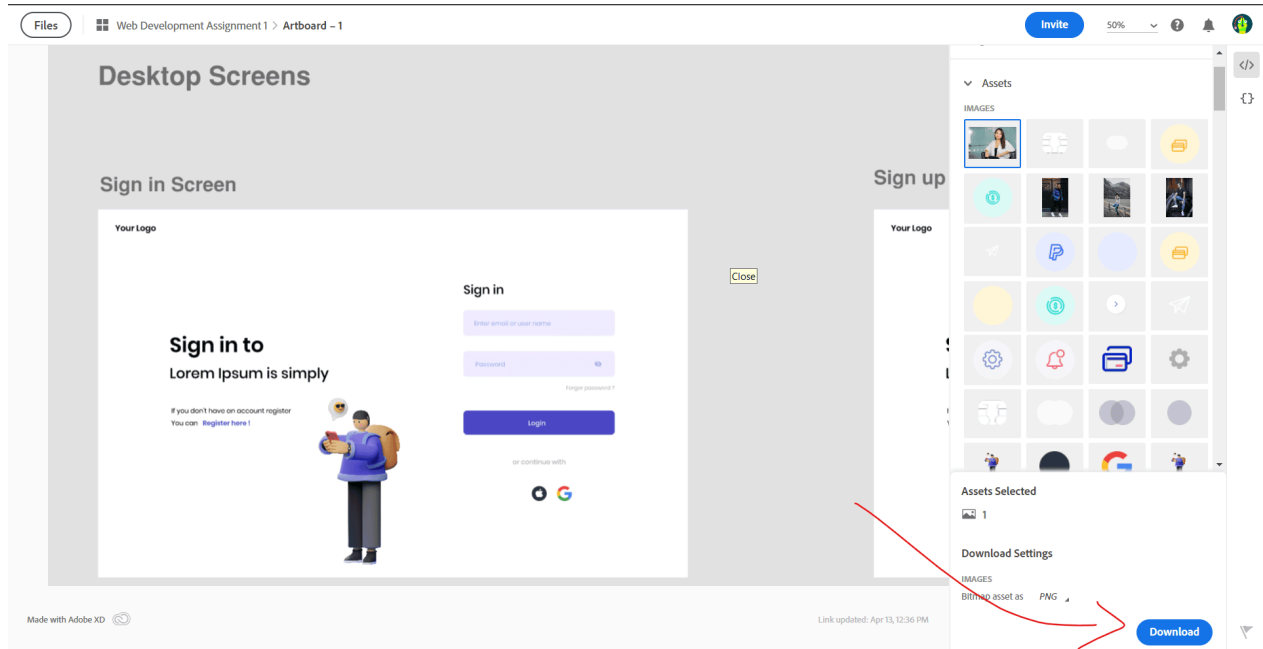
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2. Downloadable Asset:



3. Pan and move in the art board using the Space bar + Click and Drag to the required position

Expected Testing View port (Should satisfy most devices):

1. 1536 X 714
2. 1280 X 603

Note:

1. Do not share this design link and assignment with anyone else.
Make your github private, share repo to tejas.vinay@greendzine.in

2. Also note that if your repo is public, your project will no longer be considered for evaluation, and your application will be rejected.

3. Please respond within the same email thread where the assignment was originally shared.

4. All instructions are clearly outlined in the document, so we do not anticipate any questions about the assignment