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C.I.T.L. EXPERIMENT 2

Submitted By:

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Submitted To:
Prof. Sunil Ghane

Inventory Management System

Aim:

To use the Figma tool to make wireframes for the website of inventory management systems.

Problem Statement:

Develop an inventory management system for a retail store that efficiently tracks and manages the inventory of products. The system should provide real-time updates on stock levels, generate alerts for low stock items, enable easy addition and removal of products, and offer insights into sales trends to optimize restocking decisions.

Theory:

Introduction to User Experience (UX) Design

UX design holds a pivotal role in shaping digital products and services. It entails a diverse range of activities aimed at crafting products that are not just functional but also delightful and user-friendly. UX design follows an iterative process, involving user needs analysis, prototyping, and rigorous testing to ensure alignment with desired objectives.

➤ Open Source UX Tools

Open source UX tools have surged in popularity for various compelling reasons. They offer a cost-effective alternative to proprietary software, foster collaboration and knowledge sharing within the design community, and provide flexibility for customization to suit project-specific requirements. Prominent open source UX tools include Sketch, Figma, Inkscape, GIMP, and more. These tools empower designers to create engaging and user-centric experiences without the constraints of expensive licenses.

Problem Definition (Multi-page Text Analysis Web Application)

The foundation of any successful UX design project lies in a comprehensive comprehension of the underlying problem. The problem definition phase entails extensive research, stakeholder interviews, and a thorough analysis of user feedback to pinpoint pain points and areas for improvement. A well-defined problem statement serves as the cornerstone upon which the entire design process is constructed.

➤ The Role of Open Source UX Tools

Open source UX tools offer a wide array of features and functionalities tailored to different facets of the design process. These tools enable designers to craft wireframes, prototypes, mock-ups, and even facilitate usability testing. They serve as an accessible and collaborative platform for multidisciplinary teams to seamlessly collaborate.

Why Figma?

Figma stands out for its ability to facilitate collaboration between UX/UI designers and developers through its inspect tool. This tool empowers UX/UI designers, developers, and other collaborators to effortlessly view, modify, create, and duplicate elements, properties, and code from Figma designs. Furthermore, Figma conveniently displays code snippets in CSS, iOS, or Android formats for developers to inspect any design component. The process is simplified by merely sharing a project file link, granting developers and collaborators access to all elements, comments, prototypes, and design iterations.

➤ Objective of the Experiment

The core objective of this experiment is to illustrate the effectiveness of open source UX tools in addressing a specific problem definition. By leveraging open-source software, designers can harness the capabilities of these tools to brainstorm, design, and refine solutions that elevate the user experience. This experiment will demonstrate how open source UX tools can be utilized to develop user-centred design solutions that align seamlessly with the identified problem statement.

➤ [Figma Link](#)

Screenshots:



Register

Manage all your inventory efficiently

Let's get you all set up so you can verify your personal account and begin setting up your work profile

First name

Enter your name

Last name

minimum 8 characters

Email

Enter your email

Phone no.

minimum 8 characters

Password

Enter your email


☐ I agree to all terms, privacy policies, and fees

Sign up

Already have an account? [Log in](#)

Login

See your growth and get support!

Sign in with google 

Email*

Enter your email

Password*

minimum 8 characters

☐

Remember me

[Forgot password?](#)

Login

Not registered yet? [Create a new account](#)



Dashboard



Profile



Marketplace



Dashboard



Products



In Stock



Orders



Maresh

Revenue

+ 30,000

Sales Return

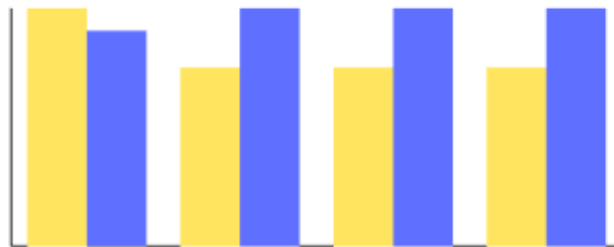
+ 30,000

Purchase

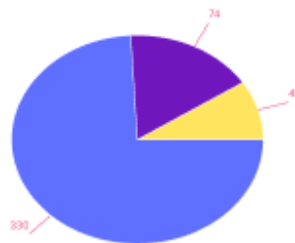
+ 30,000

Income

+ 30,000



Products in Stock



Stock Alert

order ID	Date	Quantity	Alert amt.	Status
order ID	Date	Quantity	Alert amt.	Status
order ID	Date	Quantity	Alert amt.	Status
order ID	Date	Quantity	Alert amt.	Status

Top selling Products

order ID	Quantity	Alert amt.
order ID	Quantity	Alert amt.
order ID	Quantity	Alert amt.
order ID	Quantity	Alert amt.

Top selling Products





Products

[Export to excel](#)

Status ▾

Filter ▾

<input type="checkbox"/>	Product ID	Date	Vendor	Product Name
<input type="checkbox"/>	#7676	06/30/2022	Akash Panicker	Soap Bombs
<input type="checkbox"/>	#7676	06/30/2022	Mahesh Patil	Soap
<input type="checkbox"/>	#7676	06/30/2022	Adwait Purao	Shampoos
<input type="checkbox"/>	#7676	06/30/2022	Rohit Phalke	Towels

Stock Status

[+ New Stock](#)

Status ▾

 Quick search

<input type="checkbox"/>	order ID	Product	Category	Sales channel	Instruction	Items	Status
<input type="checkbox"/>	#7676	Inverter	cat1	Store name	Stock adjustment	80/100	In Stock
<input type="checkbox"/>	#7676	Battery	cat2	Store name		80/100	Out Of Stock
<input type="checkbox"/>	#7676	Generator	cat2	Store name	Stock adjustment	80/100	In Stock
<input type="checkbox"/>	#7676	Charger	cat3	Store name	Stock adjustment	80/100	In Stock
<input type="checkbox"/>	#7676	Power	cat4	Store name		80/100	In Stock

Orders

[Export to excel](#)[+ New Orders](#)

Status ▾

Filter ▾

<input type="checkbox"/>	order ID	Date	Customer	Sales channel	Items	Status
<input type="checkbox"/>	101	06/30/2022	Godzilla	Flame Cells	44	Cancelled
<input type="checkbox"/>	102	06/30/2022	Blade	Silicon Conductors	100	Pending
<input type="checkbox"/>	103	06/30/2022	Asta	Generator Rex	12	Completed
<input type="checkbox"/>	104	06/30/2022	Dan Heng	Lunar Cells Lmt	99	Completed
<input type="checkbox"/>	105	06/30/2022	Kafka	Rex Batteries	50	Completed

Marketplace

 Quick search



Pepsi

Order



Pepsi

Order



Pepsi

Order



Pepsi

Order



Pepsi

Order



Pepsi

Order



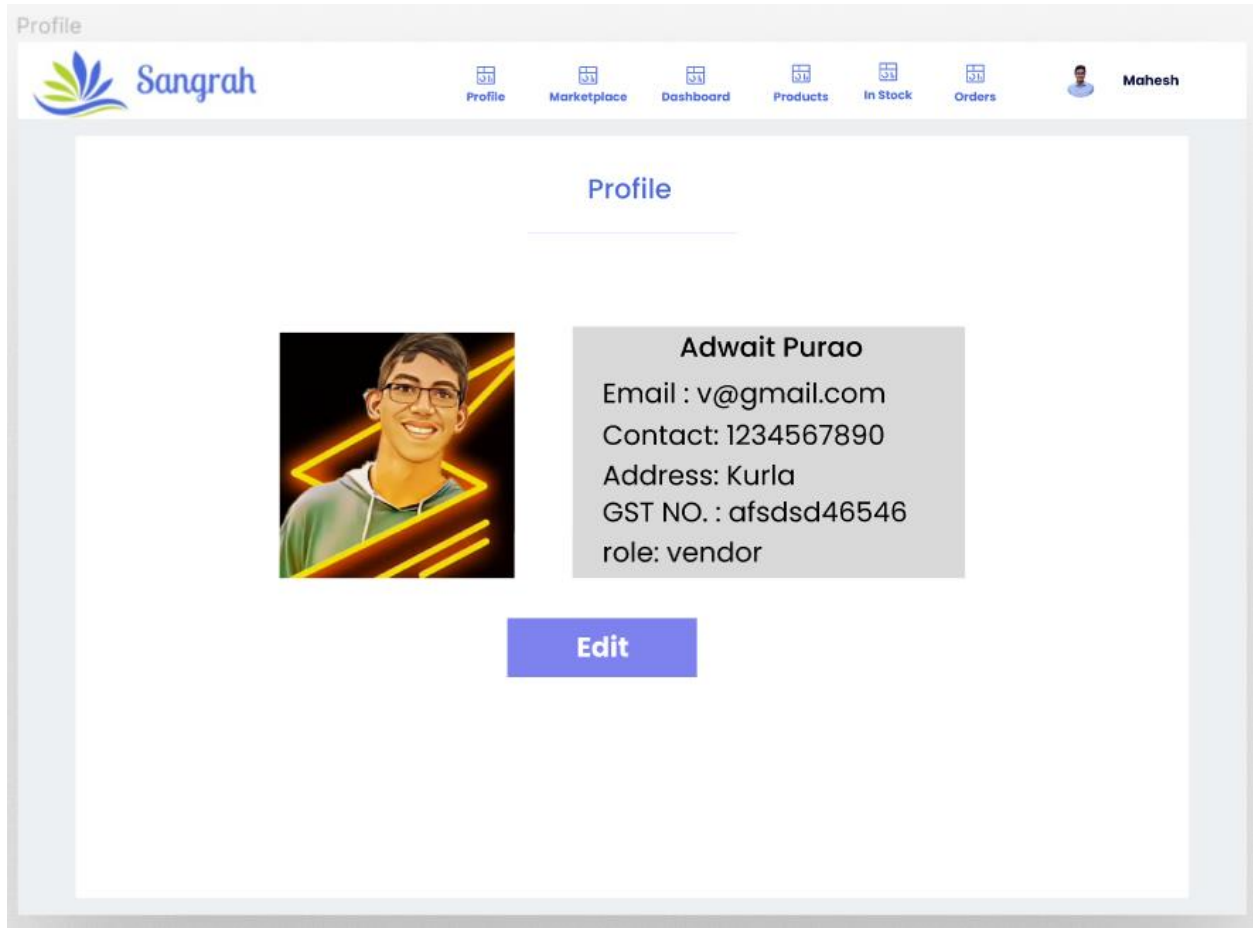
Pepsi

Order



Pepsi

Order



Conclusion:

In conclusion, this experiment seeks to highlight the capabilities of open source UX tools in tackling practical design issues. Through the utilization of these tools, designers have the ability to craft solutions that prioritize the user experience. The outcomes of this experiment will provide insights into both the benefits and constraints of open source UX tools within the realm of problem-solving and design advancement.