REDESIGNING THE EXISTING INTERFACE

A PROJECT REPORT

Submitted by

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ABSTRACT

Interfaces are the important spectacle in communication between a user and the system. This project aims to recreate an existing user interface (UI) using Figma, a powerful collaborative interface design tool. By leveraging Figma's versatile features, such as its robust design system capabilities and collaborative environment, the recreation process will be streamlined and efficient.

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There have been plenty of insights, feedback, and suggestions considered for the existing app. Which was researched intensely and considered before recreating the existing app. The existing app chosen to recreate on the interface level is called “Depop” an international app used for selling used clothes it is akin to a thrift store. The depop’s features are simple and self explanatory. While depop has every seller’s necessary information related to the seller-buyer relationship. Depop’s earlier design interface hasn’t been observed as an easily navigable interface while it can do better features yet more.

To make the application more easy enough to comprehend and feasible enough for all to use. The Depop has exciting features yet they require the modifications that can facilitate the users in india, it requires plenty of customization. The existing interface design in depop has not gained a good impression.

The application can do better with the modifications being done to it. Thus the recreating of the interface has been observed as necessary here to make the app more facilitative for everyone,irrespective of any zone,race, gender and country.

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LIST OF ABBREVIATIONS

ABBREVIATION	ACRONYM
UI	User Interface
HCI	Human Computer Interaction
UX	User Experience
CMD	Command Prompt

CHAPTER 1

1.1 INTRODUCTION

Transforming the way people interact, shop, and engage with different platforms. Depop is a distinctive marketplace that effectively combines social networking with e-commerce. Depop has gained a loyal user base worldwide due to its unique interface and emphasis on community-driven commerce.Nevertheless, with the advancement of technology and changing user expectations, it is crucial to consistently innovate and improve user experiences in applications. The design of the user interface (UI) is crucial in determining how users perceive and engage with an application, which in turn affects their pleasure and ability to continue using it. Hence, the overhaul of Depop's interface offers a chance to enhance user involvement, simplify navigation, and enhance the overall user experience.The impact of an application's interface on user engagement and retention is largely influenced by its visual appeal. In light of the continuous evolution and heightened visual standards set by competitors, the regular update of Depop's interface serves to maintain its visual appeal and competitiveness within the market.An interface that is thoughtfully developed has the potential to improve usability and accessibility, thereby facilitating users' ability to browse, explore items, and successfully carry out transactions. Enhancing the user interface (UI) of Depop with the aim of enhancing clarity, organization, and accessibility contributes to a more seamless and user-friendly experience, hence appealing to and retaining people with diverse technical abilities.

User preferences and design trends change over time, and alignment with them is crucial. By making adjustments to Depop's interface in accordance with current design trends and user preferences, such as including intuitive navigation patterns, minimalist visuals, and personalized experiences, the platform can enhance its appeal to its intended audience and effectively address their changing requirements.

Competitive Advantage, Differentiation plays a crucial role in sustaining a competitive advantage within a saturated marketplace. An interface that is visually attractive and easy to use not only attracts new users but also cultivates loyalty among existing ones. Through a process of ongoing refinement and optimization of its interface, Depop has

the potential to establish a distinct identity in the social commerce industry, thereby securing a prominent place as a market leader.

The user interface of Brand Reinforcement functions as a central mechanism via which users engage with the brand. The establishment of a unified and visually consistent interface serves to strengthen Depop's brand identity, values, and personality, thus cultivating a more profound emotional bond with its users. Enhancing the UI enables Depop to strengthen its brand identity and cultivate trust and credibility within its user community.

The update of Depop's user interface is not just a superficial effort, but a deliberate strategy to improve customer satisfaction, increase engagement, and stay competitive in the ever-changing field of mobile commerce. User Interface (UI) design is the fundamental element of digital experiences, influencing the manner in which consumers engage with products, services, and websites. The relevance of it resides in its capacity to enhance user experience to unprecedented levels. An expertly designed user interface not only provides a visually appealing appearance, but also serves as a channel connecting the user to the underlying features, facilitating a smooth and instinctive experience. The fundamental objective of UI design is to streamline intricacy. It arranges information, functionalities, and interactions in a manner that is coherent and easily understandable. UI designers aim to reduce cognitive burden by strategically arranging elements, offering obvious navigation paths, and preserving consistency. This allows users to do activities swiftly and effortlessly.Furthermore, a meticulously crafted user interface extends beyond basic functionality; it elicits emotional responses and fosters active involvement. The combination of attractive visuals and user-friendly interactions captivates consumers' attention and motivates them to explore more. This involvement is essential not only for keeping users but also for cultivating brand loyalty and advocacy.

UI design encompasses the crucial element of accessibility. The core of designing interfaces that meet the needs of a wide range of users is inclusivity. UI designers provide universal access and seamless interaction with digital products by following accessibility standards and implementing features such as alternative text, keyboard navigation, and color contrast.

1.2 OBJECTIVE

The main goal of this project is to improve the user experience of the Depop mobile application by providing a thorough overhaul of its UI. In order to accomplish this purpose, a number of crucial goals have been defined. In this study, a comprehensive investigation will be conducted to examine current trends in UI/UX design, upcoming technologies, and optimal approaches in the field of mobile application design. The purpose of this study is to provide valuable insights for the development of well-defined design principles and objectives for the upgraded interface, with a focus on ensuring consistency with Depop's brand identity and target demographic.

In order to produce and enhance design concepts, the redesign process will follow an iterative approach, encompassing wireframing, prototyping, and user testing. Significant emphasis will be placed on improving the visual appeal, streamlining the navigation process, and implementing novel functionalities that augment user involvement and foster social interaction inside the Depop platform.The redesign approach will prioritize accessibility, adhering to established standards and rules to ensure that the interface is accessible to users of all abilities.

In order to confirm design decisions and identify any usability difficulties, usability testing and user feedback will be collected at different stages of the redesign process. This paper aims to provide a transparent framework for the revised interface by documenting the logic behind design decisions, which includes user research findings and usability testing results.

1.3 EXISTING SYSTEM

The mobile application of Facebook has undergone multiple redesigns in order to accommodate changing user requirements and design trends. These endeavors encompass the assessment of the current interface, examination of user feedback, and iterative enhancement of the design. The primary goals encompass improving the visual

appeal, optimizing the navigation system, implementing novel functionalities, guaranteeing inclusivity, and integrating user testing and feedback. The objective of the redesign process is to enhance the user experience for Facebook's mobile users by making it more captivating, intuitive, and unified. This will be achieved through the use of clear documentation and recommendations for implementation by the development team.

1.4 PROPOSED SYSTEM

The proposed system involves a thorough redesign of the Depop mobile application interface, aiming to greatly improve user experience and engagement. The foundation of this redesign endeavor is based on a user-centric approach, which is supported by thorough research, analysis of user feedback, and adherence to current UI/UX design principles.At the core of the redesign endeavor lies the augmentation of visual appeal. The Depop app's visual design will undergo a comprehensive refinement process, which will involve several enhancements in typography, color schemes, graphics, and layout design. Through the harmonization of these aspects, the revised interface will emanate a refined and visually captivating ambiance, hence enhancing the entire user experience.

The Depop app will undergo thorough attention to both its navigation and usability, in addition to implementing cosmetic changes. The existing navigation framework will undergo a thorough assessment and be simplified to enhance the ease of finding and doing tasks. The site will incorporate intuitive navigation patterns to enhance the convenience and efficiency of navigating product listings, categories, and user profiles. This will enable users to explore the platform effortlessly and effectively.Moreover, the redesign will incorporate a multitude of cutting-edge technologies with the goal of enhancing user involvement and customization. The aforementioned features encompass advanced search functionalities, tailored product suggestions, improved social interaction tools, and seamless checkout processes. By effectively incorporating these characteristics into the Depop system, the revamped interface will facilitate enhanced user involvement and contentment, hence promoting heightened user retention and loyalty.

The suggested system places great importance on accessibility. Acknowledging the significance of inclusivity, the revised interface will give precedence to accessibility concerns in order to guarantee the usability of the Depop app for individuals with diverse abilities. This will require compliance with existing accessibility standards and guidelines, the incorporation of features such as compatibility with screen readers, and the execution of comprehensive accessibility testing to detect and resolve possible obstacles to accessibility.The process of redesigning will adhere to an iterative methodology, which entails the use of wireframing, prototyping, and user testing at each phase. By employing this iterative design technique, Depop can consistently improve its

interface by incorporating user feedback, ensuring that the final product aligns with the varied requirements and preferences of its user community.The effectiveness of the proposed system is contingent upon the thoroughness of its documentation and the meticulous planning of its deployment. The justification for design choices, research outcomes, and usability testing outcomes will be thoroughly recorded to establish a clear framework for the new interface. Depop's development team will offer a comprehensive redesign plan that will outline the various aspects of the suggested improvements, including the scope, schedule, and resource needs necessary for their effective implementation.

To summarize, the suggested system offers a comprehensive strategy for converting the Depop mobile application into a top-tier platform for social commerce. The redesigned interface seeks to provide an exceptional user experience that aligns with Depop's diverse and dynamic user community through the improvement of visual appeal, optimization of navigation, implementation of novel features, emphasis on accessibility, and adherence to an iterative design methodology.

CHAPTER 2

LITERATURE REVIEW

The user interface (UI) is like a lighthouse that shows people the way through the complicated world of technology. Its design isn't just about how it looks; it's a well-balanced symphony of usefulness, aesthetic appeal, and efficiency. As technology moves at lightspeed, redesigning user interfaces (UIs) is no longer just a fun thing to do; it's also a smart thing to do.Imagine an app that was once praised for being innovative and easy to use, but is now overshadowed by apps that look better and are younger. Its design used to be cutting edge, but now it feels old and broken. The importance of UI makeover lies in the fact that it gives digital experiences a new lease on life.Redesigning isn't just painting something new; it's a careful process of looking at things and making them better. Finding pain points and surgically fixing them is what it's all about. It's about staying current in a digital world that is always changing.Think about how a well-designed app layout will affect people who use it. Imagine that when someone opens the app for the first time, they are met by a feast for the eyes and ears. The smooth lines, the well-matched colors, and the smooth movements were all carefully planned to make you feel happy and amazed. This first impression shapes how the user thinks and what they expect from the whole trip. There could be ethical issues based on how the designer treats the user both while the design is being made and when it is finally finished. A lack of conversations has happened about the moral issues involved in having an understanding point of view on users and the designer's duty to be responsible for how users interact with a system. Apathy and sympathy, as well as the challenges associated with preventing these perspectives during the user-centered design process. Illustrative of the distinctions and ethical ramifications that arise when a designer creates interactive digital systems in the context of user interaction

But beauty isn't enough; usefulness is the most important thing. Not only does a well-designed interface look good, but it's also easy to use, understand, and respond to user input. It's like every contact is second nature, and every function is just a touch away. The user experience goes from being just fine to being absolutely thrilling thanks to this smooth integration of form and function.If you look further, you'll find that a

well-designed system has economic effects. Imagine that a user could easily move around the app and complete transactions and jobs. Every smooth transaction is a step toward conversion, like making a purchase, renewing a subscription, or using a service. In the digital world of today, which is very competitive, these short periods of user interaction can mean the difference between success and failure.How does someone do something like that? It starts with getting to know the wants and habits of the end user very well—a journey into their mind. Researchers in cognitive psychology, usability engineering, and human-computer interaction have done a lot of work that designers can use to make systems that really connect with users.The rapid expansion of the Internet and its subsequent global accessibility necessitate a strategic response from user interface designers in addressing the challenges of creating interfaces that cater to both international users and local variations. Participants will engage in discussions with mentors regarding the difficulties of creating user interfaces (UIs) that are suitable for international and/or multi-cultural use. These UIs require major adjustments in terms of metaphors, mental models, navigation, interaction, and appearance to cater to global and/or local requirements.

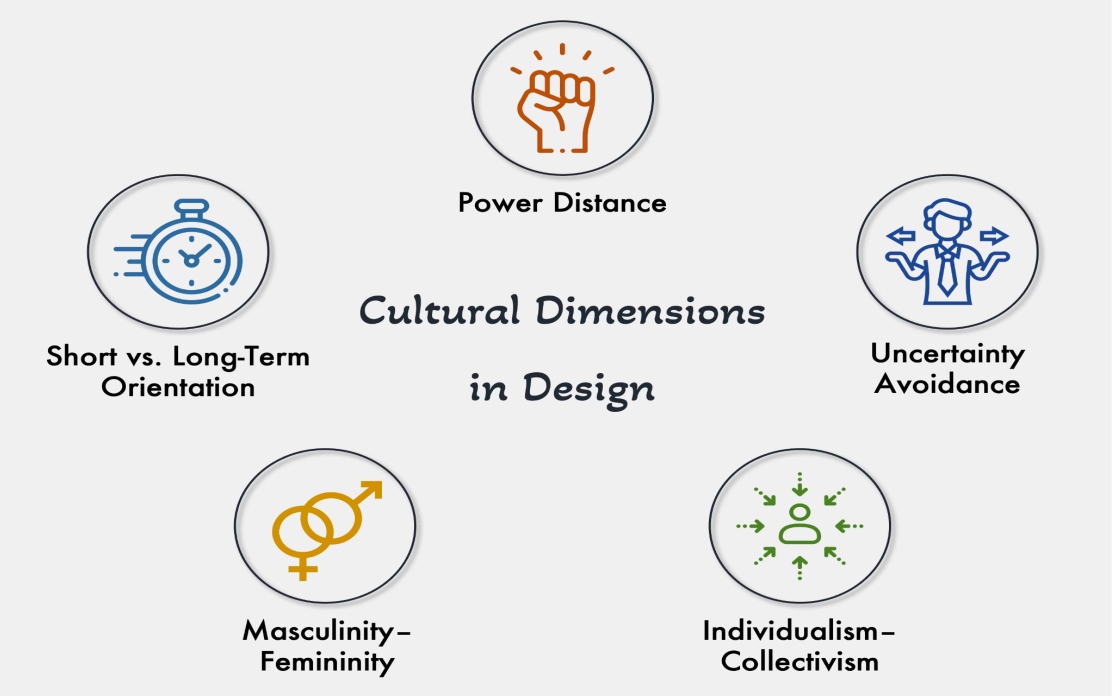

Fig.2.1 Cross cultural dimensions in design to be considered

The primary techniques for evaluating usability, with a specific emphasis on usability testing. The idea of User Experience (UX) encompasses a wide range of experiential elements related to usage, with a primary focus on subjective experience. User-centered

design and design thinking are methodologies employed to generate preliminary designs, which are subsequently refined through iterative processes to enhance their quality. Designers carefully craft interfaces that go beyond simple usefulness and become ways for people to express themselves and be creative, based on the ideas of famous people like Shneiderman, Carroll, and Norman. Every image and line of code is the result of many attempts to get it just right. They are all proof of the never-ending quest for perfection.So, the journey goes on—an endless circle of making, trying again, and changing. With each redesign, the interface changes, getting closer to that elusive ideal: a digital utopia where form and function blend together perfectly, and every contact is a happy celebration of how creative people are and how smart technology is.

CHAPTER 3

SYSTEM DESIGN

3.1 SYSTEM FLOW DIAGRAM

A combination of functionality, usability, and appeal comprise UI design, not just aesthetics. It is a strategic necessity to redesign user interfaces in order to maintain relevance, not a mere cosmetic touch. Such an accomplishment necessitates a holistic approach to system design that incorporates collaboration, analysis, and accuracy. An app interface that is adeptly designed establishes a significant initial impact by smoothly directing users and augmenting their level of engagement. User experience is enhanced and conversions are heightened, resulting in a competitive edge, when aesthetics and functionality are harmonized. Designers create user interfaces that evoke profound emotional responses, guided by research in cognitive psychology and HCI. Every redesign represents an incremental advancement towards the ultimate goal—a symphony of functionality and aesthetics that exalts the ingenuity and technological capacity of humanity

3.2 ARCHITECTURE DIAGRAM

An architecture diagram is a graphical representation of a set of concepts that are part of an architecture, including their principles, elements and components. The architecture of the UI design depicts the flow of prototyping and user navigation flow.

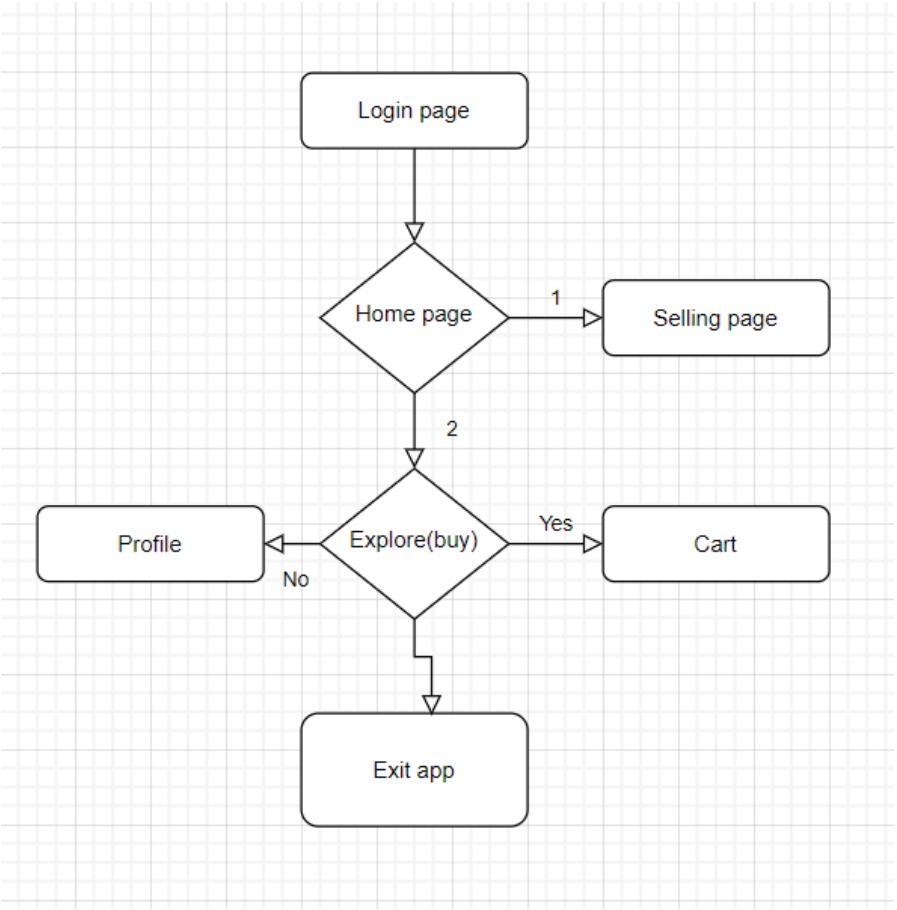

Fig 3.2.1 Architecture Diagram

The architecture of the system workflow includes the stages from the database reference to compare and it further analyzes the process on how a pop-up reminder notifies the user and triggers an email process.

3.3 SEQUENCE DIAGRAM

A sequence diagram is a type of interaction diagram because it describes how—and in what order—a group of objects works together. The sequence of the app flow goes by the choosing of the product then selecting it for the cart and exiting the application after purchasing.

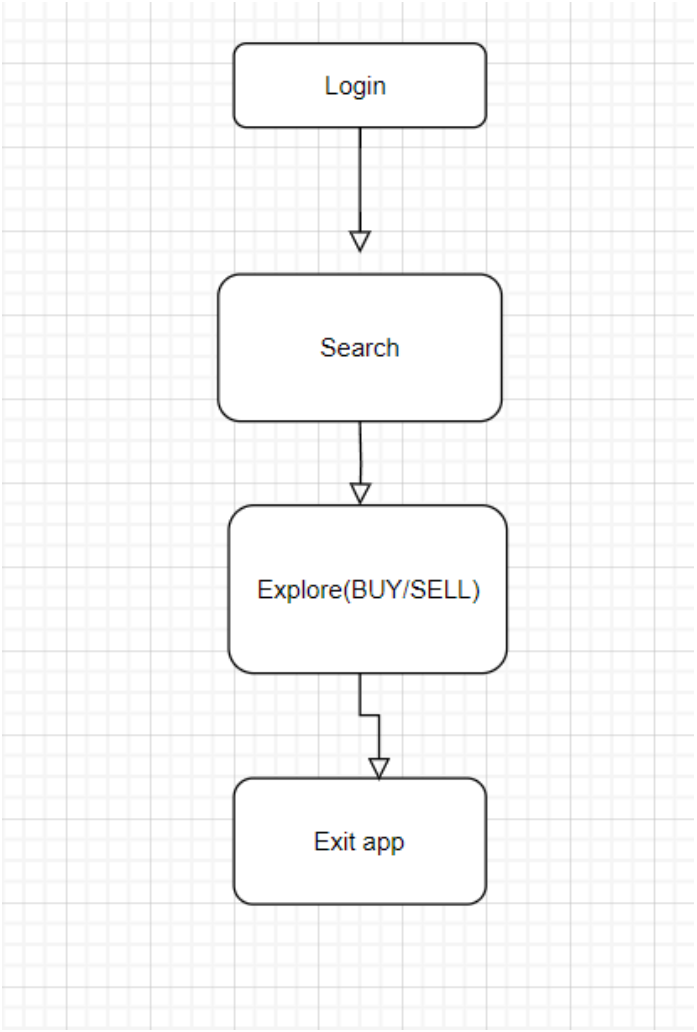

Fig 3.3.1 Sequence Diagram

CHAPTER 4
PROJECT DESCRIPTION

4.1 FRAMES

The Recreating of the interface has been brought on with an idea of improving the existing application. The application being discussed earlier is an international application that needs to be customized for each and every country so that there is no cultural difference occurring here. To break the cultural barriers this modified application has been created in figma with the slightest difference in outlook. The outlook has been vividly modified to make people feel good while using the app. But it's not just about aesthetics; it's about functionality too. With Figma's prototyping capabilities, we can create interactive prototypes that allow us to test user interactions and iterate rapidly. This iterative process, facilitated by Figma's collaborative features, ensures that every design decision is informed by user feedback and data-driven insights.

4.1.1 Software Discussion

The software used to work on this project is Figma. Figma is an essential tool for digital designers to create attractive user interfaces and interactive prototypes. Web and mobile app designers worldwide use its straightforward UI and rich feature set to create visually appealing experiences.Collaboration is Figma's main draw. Project teams can collaborate in real time, boosting creativity and stakeholder alignment. Figma's collaborative capabilities streamline ideation, design refinement, and feedback, resulting in faster iteration cycles and better results. Figma also hosts design systems and allows the construction and management of reusable components and style guides. This improves efficiency, scalability, and product consistency. Designers can easily turn their ideas into assets and specs with Figma, speeding up development and handoffs. Designers utilize Figma's interactive prototypes for user testing to improve the user experience. By incorporating user insights early in the design process, teams can iteratively improve their designs and create solutions that resonate with their intended audience. Figma's built-in version control and cloud infrastructure give designers a piece of mind by letting them access prior iterations, track changes, and work across distant teams. Figma lets designers

be creative, collaborate well, and create stunning digital experiences that engage audiences and boost revenue. It shows how design tools can change digital innovation.

4.1.4 Notification

The notification is the message pop up section where all notified messages from the for all purpose can be viewed.

CHAPTER 5

OUTPUT SCREENSHOTS

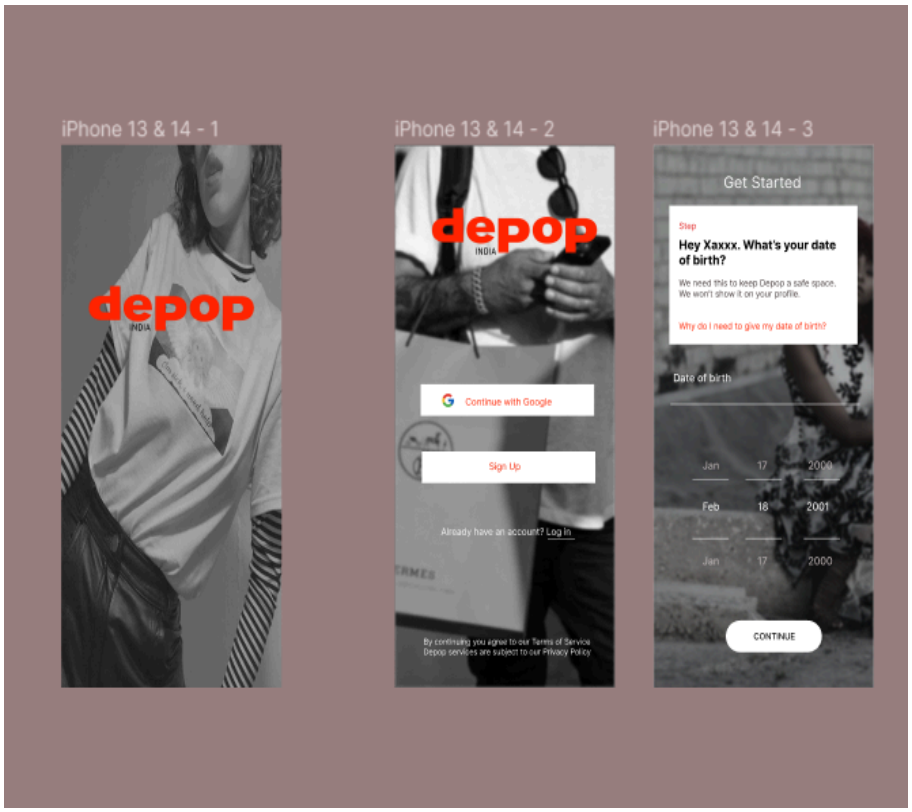

Fig.5.1 Log in Page

The Login section is the intro part of the app, the users can log in through their gmail ids and use the app so that any of their purchases and like products can be recorded and viewed anytime.

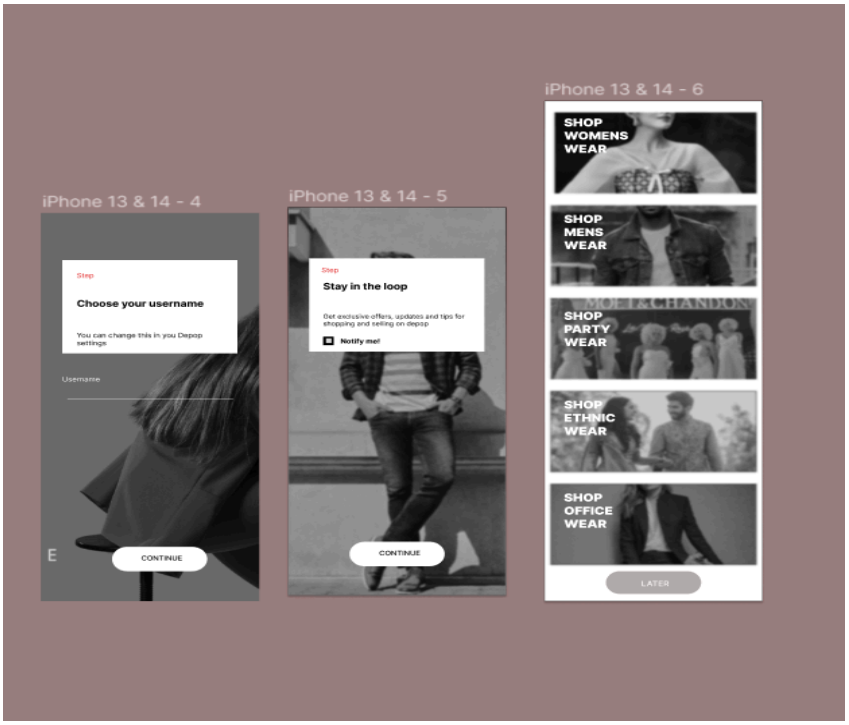

Fig. 5.2 Explore page

The explore page displays the options while opening the app for the user to experience the app and the products whatever is offered in the app. It acts as a glimpse before the thorough exploration of the application.

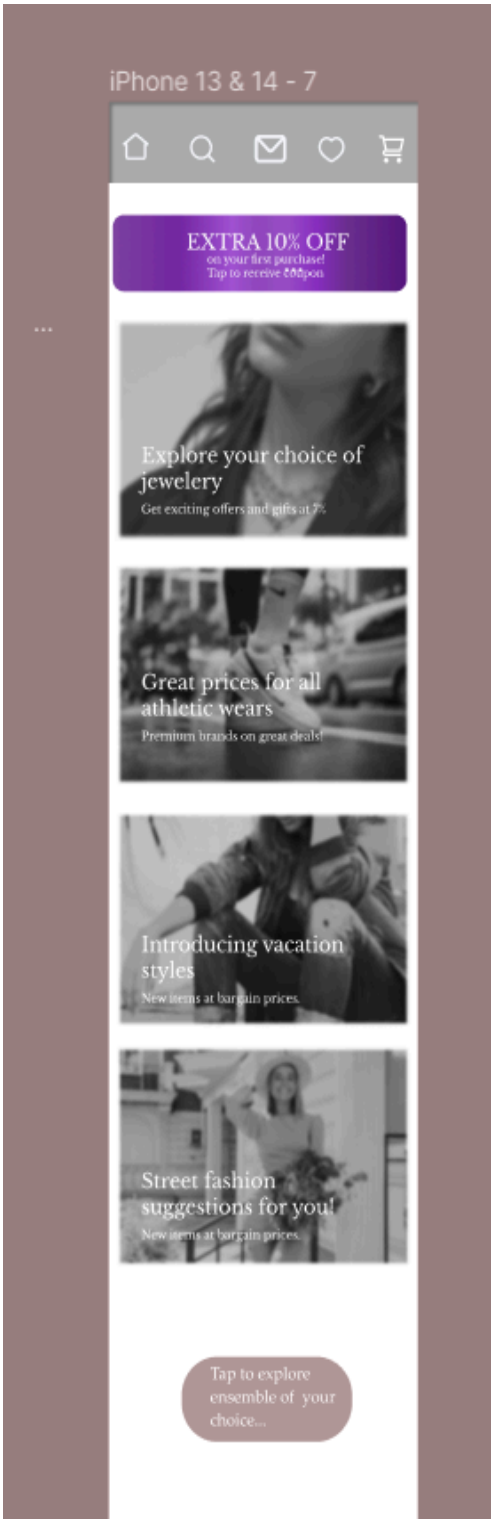

Fig.5.3 Home page

In the home page the products and the app's advertisements are displayed and then the options to further navigate the app are indicated, The user can search for the product of his/her choice

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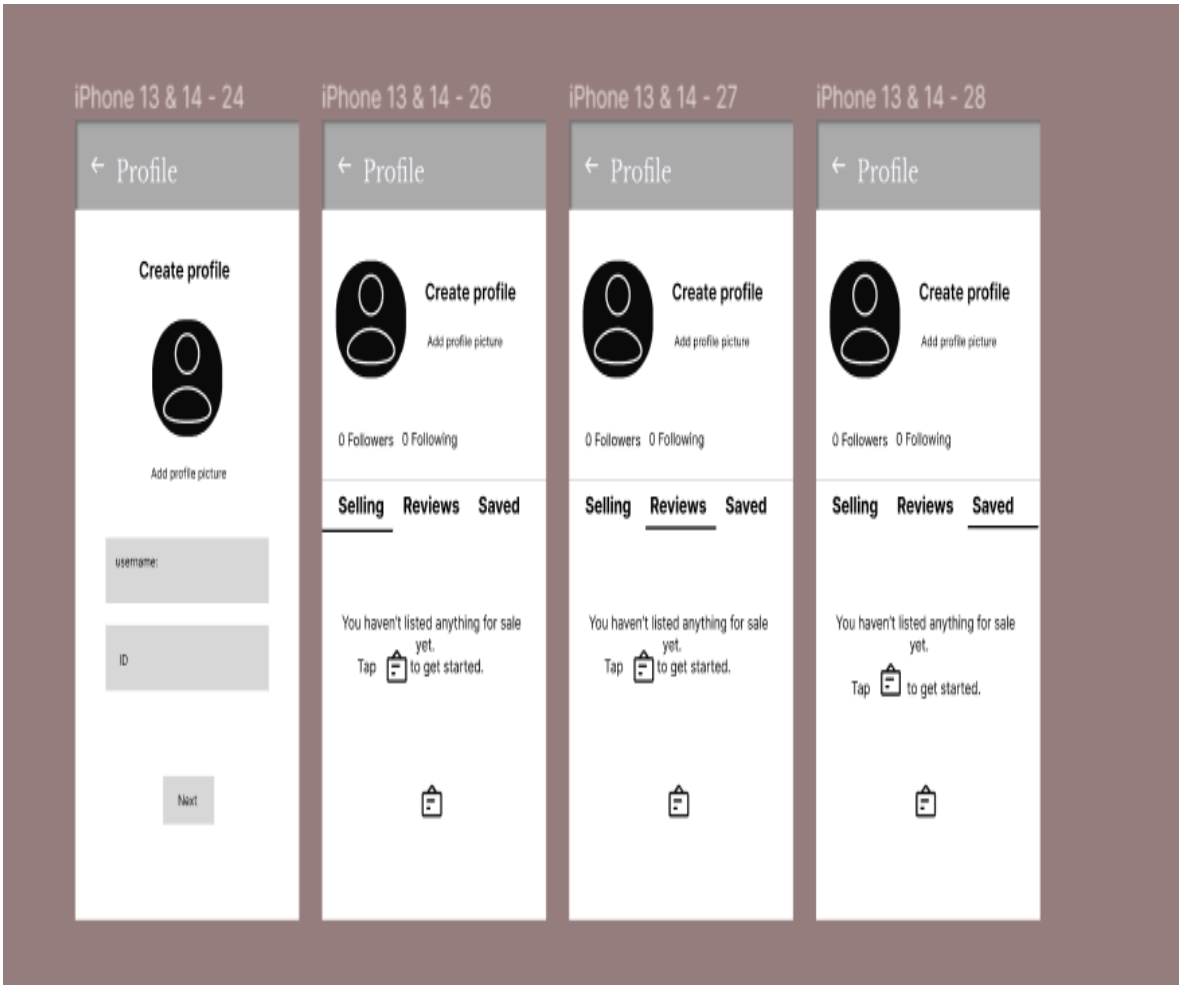


Fig.5.4 Setting up Profile

The setting up of a profile page describes the creation of a profile for every individual user. This helps the user to have an identity and sell the product the user wishes to. The profile can be observed by a person interested in the product being sold by the user to understand the seller's previous reviews.

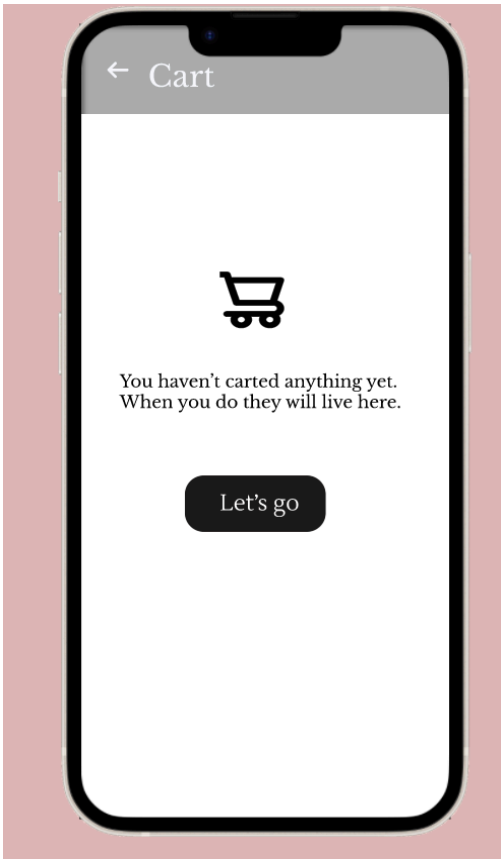


Fig.5.5 View Cart

The cart section is used to observe the purchased product into the cart for the next process of the purchasing .

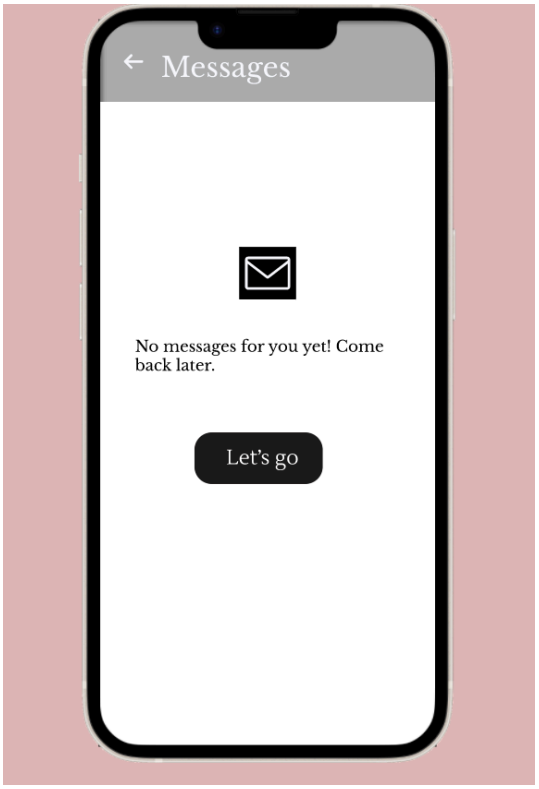


Fig.5.6 Notification page

CHAPTER 6

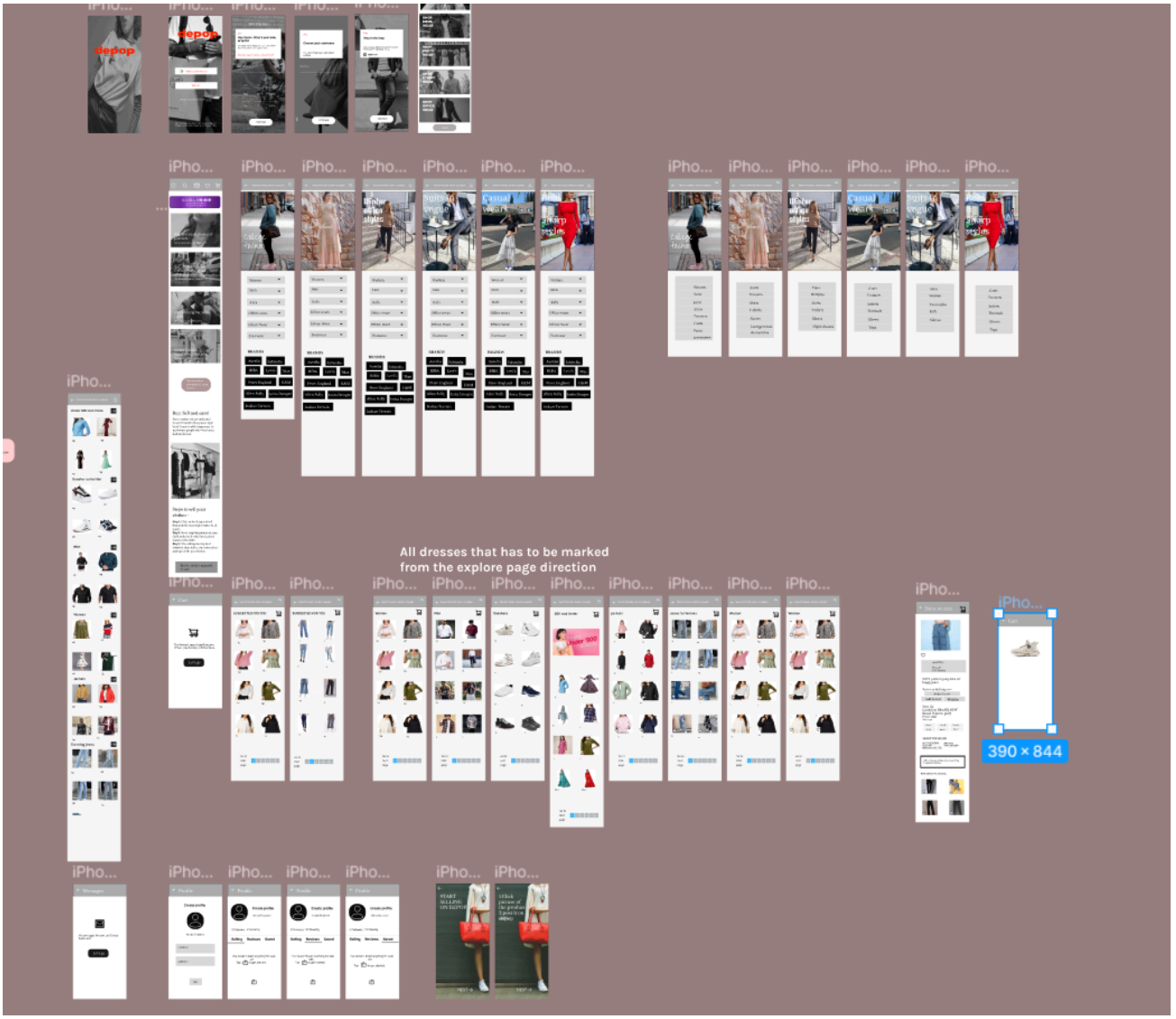
CONCLUSION

To conclude Redesigning an application's interface is a complicated process that prioritizes user needs and preferences. Designers employ surveys, interviews, and usability studies to understand user pain areas and expectations to guide redesign. In interface redesign, simplicity and intuitiveness are key. A clutter-free interface, recognizable design patterns, and streamlined operations reduce cognitive burden and improve usability. Colors, font, and iconography should be consistent to reinforce brand identity and increase user familiarity, making the user experience more intuitive. Inclusive design prioritizes accessibility. Assistive technology compatibility and accessibility requirements make the software accessible to all users, including those with disabilities. Continuous feedback loops from user input and usage metrics analysis enable iterative interface enhancements to meet evolving user needs. Interface design must address scalability and adaptability to keep the application relevant and functioning as technology and user expectations change. Adaptable layouts and adaptable design enable seamless user experiences across devices and screen sizes. Interface redesign also requires performance improvement to improve user happiness. Designers can improve user engagement and happiness by improving loading times, latency, and graphics and animations.

Finally, a successful interface redesign incorporates user-centric design, simplicity, consistency, accessibility, feedback-driven iteration, adaptability, and performance optimization. These factors help designers create interfaces that exceed user expectations, improving user experiences and fostering long-term engagement.

APPENDIX

SAMPLE PROCESS



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