COMPUTING PRACTICUM-III PROJECT

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ORDERING SYSTEM AND MUSIC PLAYER

Submitted by

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DECLARATION

I, *Yendluri Pavan Ram Chandar*, student of *Computer Science and Engineering* under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based om my own intensive work and is genuine.

Date:2ndNovember 2023   Signature

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ORDERS SYSTEM AMD MUSIC PLAYER

INTRODUCTION

Introducing the Ordering System and Music Player Project App, a comprehensive software solution that combines the convenience of placing orders with the enjoyment of a music player. This app is designed to make the process of ordering items easy and efficient, while also providing a seamless music listening experience.

KEY FEATURES

Items Viewing: Browse and explore websites with ease, accessing information, images, and interactive content for a seamless online experience.

Order Reviewing before Placing: Review and modify order details, ensuring accuracy and satisfaction before finalizing the purchase.

Order Placing: Effortlessly place orders, selecting desired items and options, and proceed to checkout seamlessly for a smooth ordering experience.

Music Player: Enjoy a seamless music listening experience with a user-friendly player interface and high-quality sound output.

Music Controls: Easily control your music playback with intuitive controls for play, pause, skip, and volume adjustment.

Music Player with Image Animations: Enhance your music experience with captivating visual animations synchronized with the music, adding an immersive element to your listening pleasure.

BENEFITS

Efficiency: Efficient ordering, reducing errors and saving time.

Enhanced Music Experience: Offer easy selection with clean UI, User interactive controls.

Target Users:

Ordering customers

Sellers

Music listener

Swift 5 implementation:

Animation: It refers to the process of creating dynamic and visually appealing changes in user interface elements. It involves altering the properties of UI elements over time to create effects such as transitions, movements, and visual feedback.

Alert: An "Alert" is a user interface component that displays a pop-up message or dialog box to provide information, request user input, or confirm actions. Alerts typically contain buttons for user interaction.

Perform Segue: "Performing a Segue" involves transitioning from one view controller to another in an iOS application. Segues define the navigation and flow between different screens or view controllers.

Collection View: A "Collection View" is a user interface element used to display and manage a grid or list of items, offering flexibility and customization for presenting data in various layouts and styles.

Action Sheet: An "Action Sheet" is a user interface component that presents a list of options or actions to the user. It often slides up from the bottom of the screen and allows users to choose from a set of actions.

Slider: A "Slider" is a user interface element that allows users to select a value within a specified range by moving a thumb or handle along a track. Sliders are typically used for adjusting settings like volume or value.
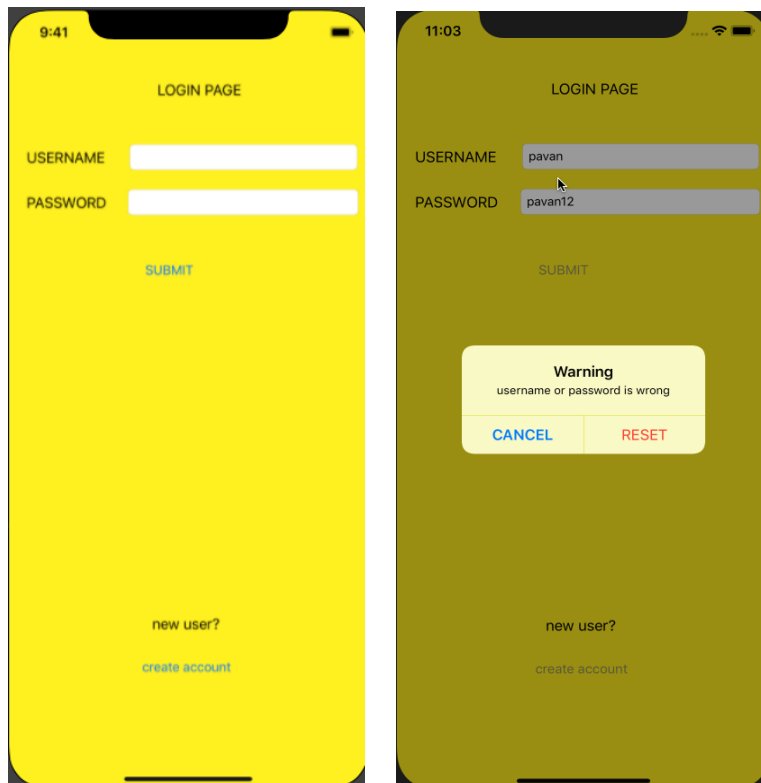
Switch: A "Switch" is a UI component in Swift 5 that provides a binary choice, often represented as an on/off or true/false switch. It allows users to toggle settings or enable/disable features within an application.

 Data transfer: When you move from one view controller to another, you can use segues to pass data. You typically override 'prepare(for:sender:)' in the source view controller and set properties in the destination view controller.

MainView:

The login process requires the user to enter their username and password. The entered username and password are then matched with the existing username set and password list. If the username or password does not match, an error message pops up, stating "Username or password incorrect." This ensures that only authorized users with correct credentials can access the system.

If the username or password enterd are wrong means alert is triggred.

Create new user by clicking the create user:

The addUserViewController is a view controller used to add new users. It consists of three main components: a username text field, a password text field, and a confirmation password text field.

Username Text Field: This component allows the user to enter their desired username. Before adding a new user, the addUserViewController checks if the username is already present in the username set. If the username is already taken, an alert with the title "Username is already exists" is displayed, indicating that the user needs to choose a different username.

Password Text Field: This component enables the user to enter their desired password. The password is not immediately validated against the confirmation password. Instead, the addUserViewController waits for the user to enter the confirmation password before performing the validation.

Confirmation Password Text Field: This component allows the user to re-enter their password for confirmation. Once the user enters the confirmation password, the addUserViewController compares it with the original password entered in the password text field. If the passwords do not match, an alert
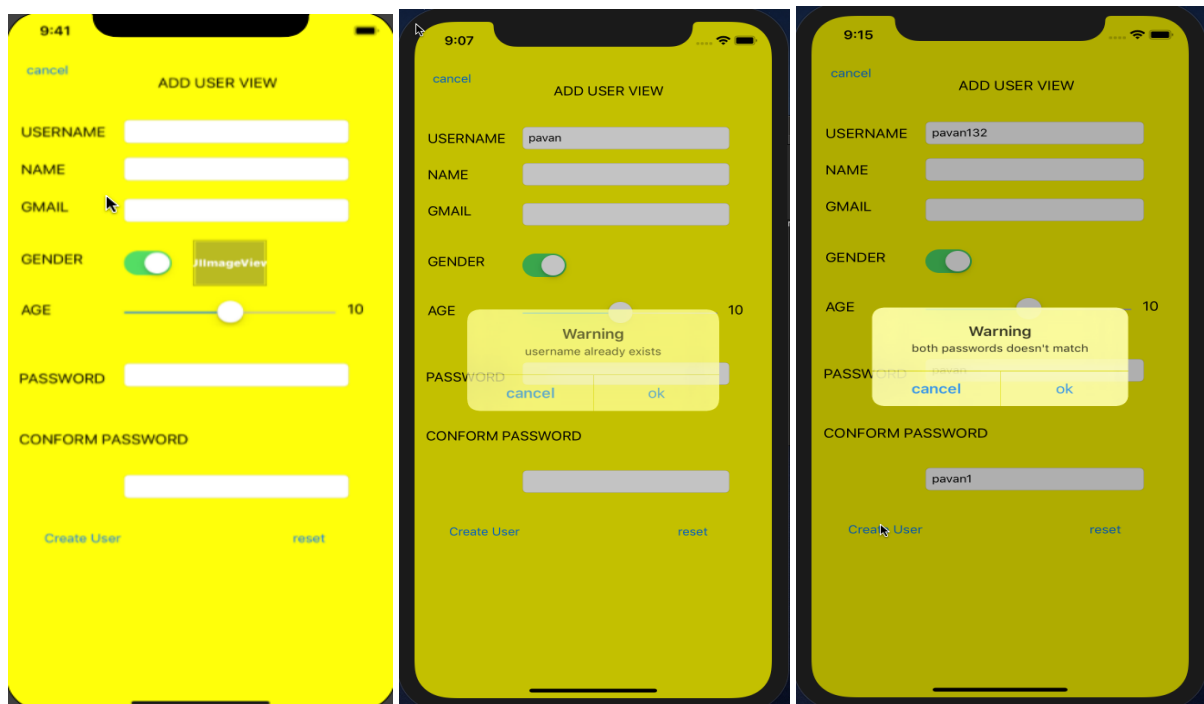
with the title "Passwords are not matched" is displayed, indicating that the user needs to re-enter the passwords correctly.

The two alerts mentioned in the addUserViewController are as follows:

Alert 1: If the username entered by the user already exists in the username set, an alert with the title "Username is already exists" is displayed. This alert informs the user that the chosen username is already taken and prompts them to select a different username.
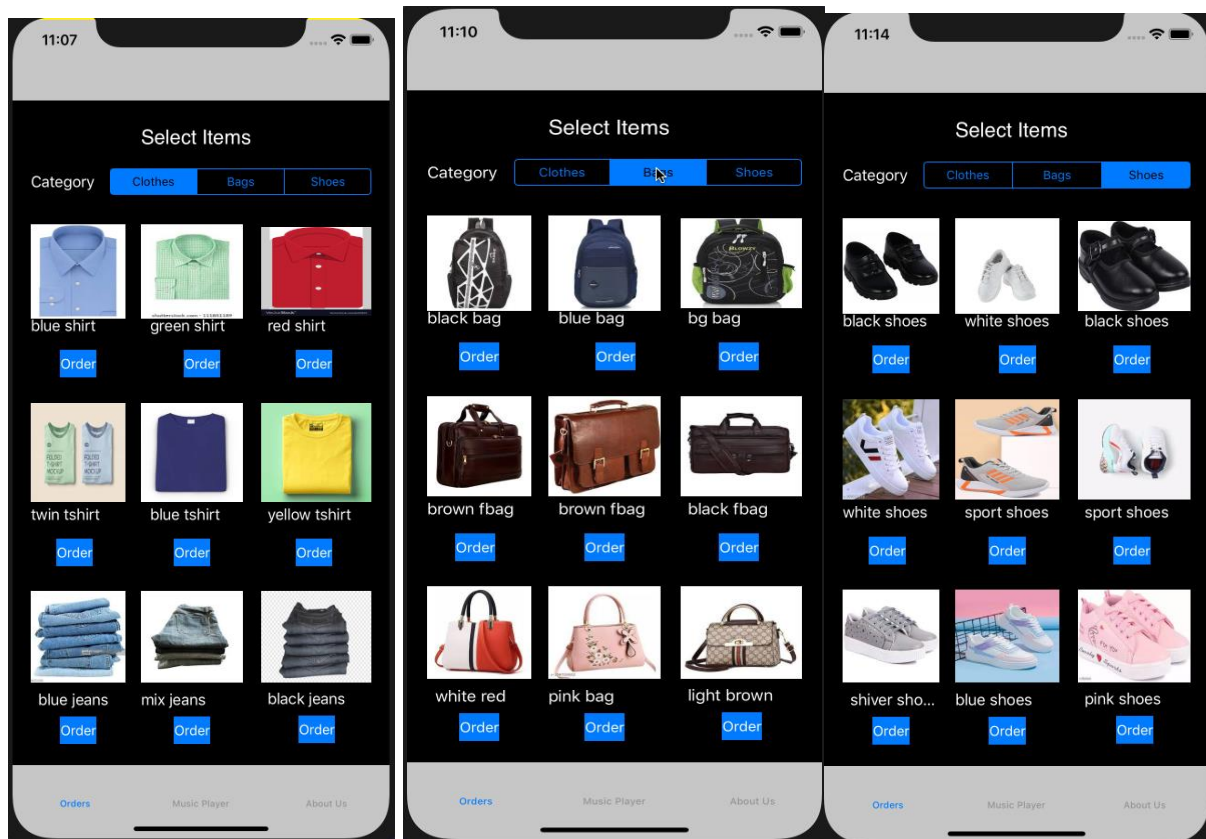
Alert 2: If the password entered by the user does not match the confirmation password, an alert with the title "Passwords are not matched" is displayed. This alert indicates that the passwords entered in the password and confirmation password text fields do not match, and the user needs to re-enter them correctly.

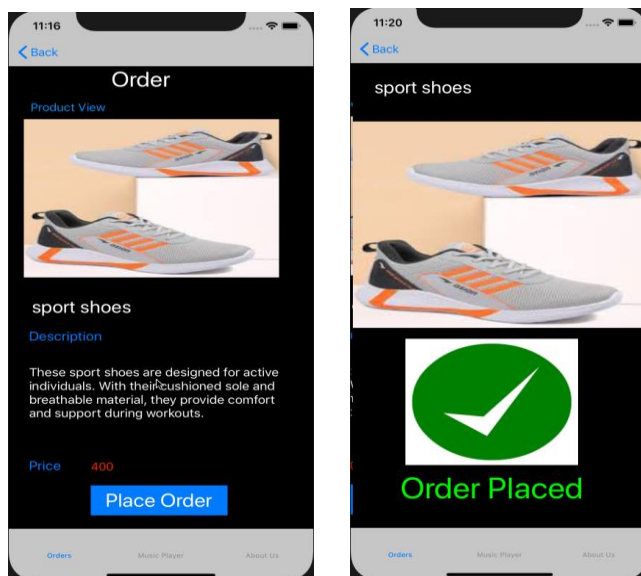These alerts help ensure that the user provides valid and unique information when adding a new user.

If the username and password entered write means go to the mainpageviewcontroller:
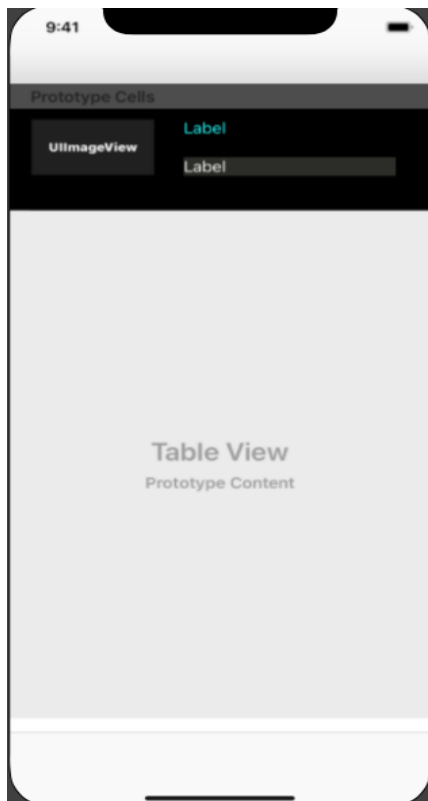
Orders category:

Order button will transfer details of order to next page which place order

If you click on the place order means the orders related data is transfer to the order placed

Customtableviewcell:

The custom view table cell, named "mycustontableviewcell," consists of three components that enhance the functionality and user experience of a table view.
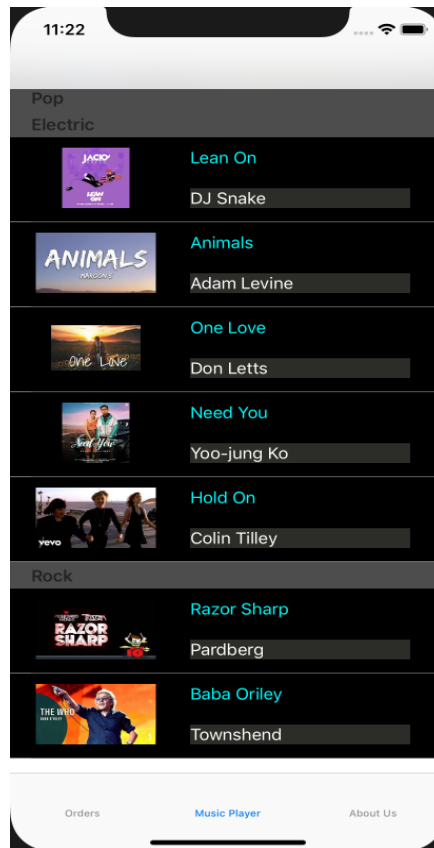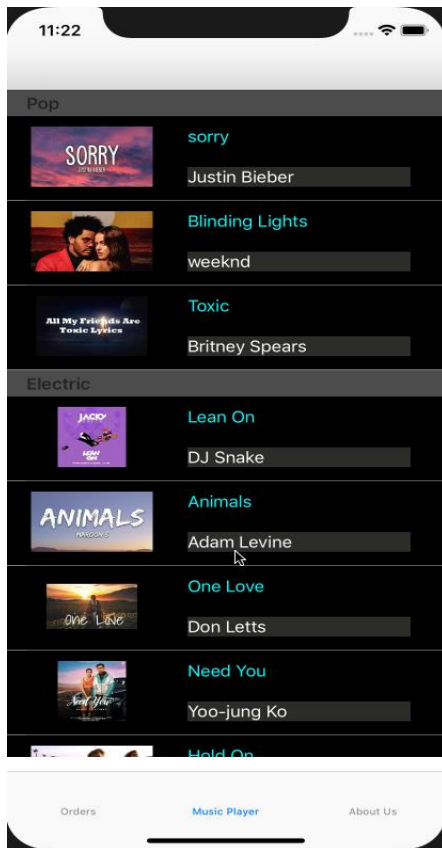
Image View Component: This component is responsible for displaying the image logo associated with each song. By utilizing the Image View, users can easily visually identify the songs in the table view. The image logo provides a visual representation of the song, making it more engaging and intuitive for users. This component ensures that users can quickly recognize and differentiate between different songs based on their associated image logos.

Title Label Component: The Title Label plays a critical role in presenting the name of each song within the table view. This component is associated with the title of the song and provides users with essential information about the song's identity. By utilizing the Title Label, users can swiftly grasp the name of the song and its corresponding details. This enables seamless navigation and selection of songs within the table view. The Title Label component enhances the user experience by providing clear and concise information about each song.

Director Label Component: The Director Label is employed to showcase the name of the song's director or artist. This component adds an extra layer of information to the table view, allowing users to recognize the creators of the music. By displaying the name of the song's director or artist, users can foster a deeper connection with the artists behind the songs. This component provides valuable context and enhances the overall user experience by providing additional information about the song's creators.
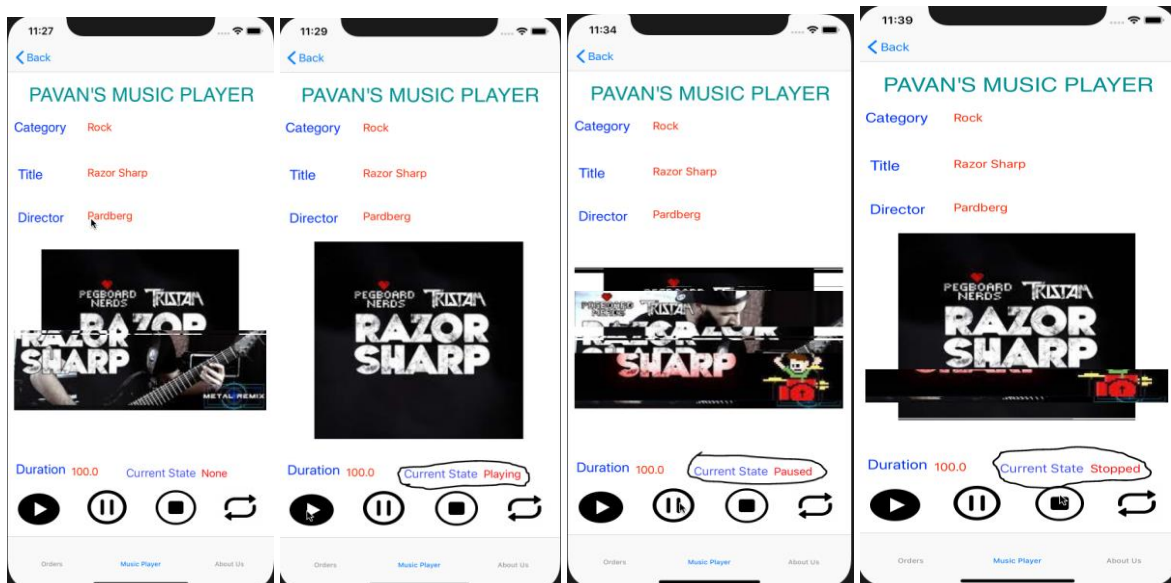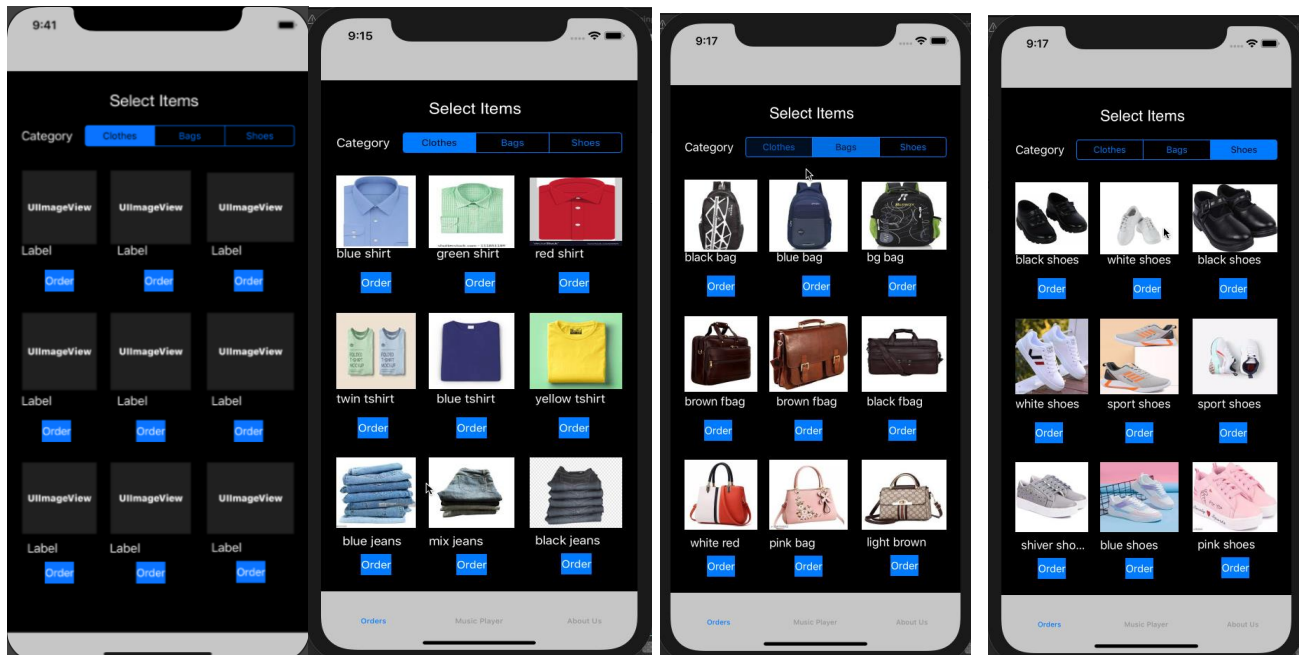

Music list:

Real Music Player with controls:

When you click on the play button the song start playing and the current status will we updated from none to playing.

When you click on the pause button the song is paused and the current status will we updated from playing to paused.

When you click on the stop button the song is stopped and the current status will we updated from paused to stopped and current time of the song is 0.

orderspageViewController.swift

CONCLUSION

In this digital age, where seamless user experiences are pivotal, the mentioned features and benefits underscore the importance of efficient and user-friendly design in both e-commerce and music applications. By enabling easy browsing, efficient ordering, and comprehensive review processes, the application fosters a user-centric approach, ensuring accuracy and satisfaction in every transaction. The integration of a music player with interactive controls and synchronized visual animations enriches the auditory experience, elevating it to new levels of engagement and immersion.

Furthermore, the addUserViewController exemplifies the significance of robust user authentication and data validation, guaranteeing the security and integrity of user information. By employing clear alerts to prompt users towards appropriate actions, the system ensures the provision of accurate and unique data, reinforcing the reliability and credibility of the user database.

In addition, the custom view table cell, "mycustontableviewcell," maximizes user engagement by providing a visually appealing and informative layout. Through the integration of image logos, title labels, and director labels, the table view becomes an intuitive platform for users to easily identify and select their preferred songs, fostering a deeper connection between users and the music's creators.

Overall, this application's comprehensive features, coupled with its emphasis on user convenience, security, and immersive content presentation, set a precedent for a holistic and enriching user experience, thereby establishing a strong foundation for continued user satisfaction and engagement in the digital realm.