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4-4 Assignment: UI Design

**Mobile App UI Redesign Assignment**

**App Screen Selected:** Facebook Login Screen

**Current Design Overview:** The Facebook login screen typically includes the following elements:

* Facebook logo
* Email or phone number input field
* Password input field
* "Log In" button
* "Forgot Password?" link
* "Create New Account" button
* Option to log in with Google or Apple

**Redesigned Screen:**

**Description of the Redesign:**

I have chosen to redesign the Facebook login screen to enhance user experience by improving accessibility, simplifying the interface, and making the login process more intuitive.

**1. Simplified Input Fields:**

* **Original:** The screen has separate input fields for email/phone and password.
* **Redesign:** Combined the email/phone and password fields into a single, clear input form that expands to show the password field after entering the email/phone. This reduces the initial clutter and guides the user step-by-step.

**2. Enhanced Navigation:**

* **Original:** The navigation options are somewhat scattered across the screen.
* **Redesign:** Grouped the navigation options ("Forgot Password?" and "Create New Account") together under the input fields for a more organized layout.

**3. Accessible Login Options:**

* **Original:** Login options with Google and Apple are displayed, but they could be more prominent.
* **Redesign:** Placed the login options with Google and Apple buttons prominently at the top of the screen to offer quick access before entering any information.

**4. Interactive Elements:**

* Clearly marked all interactive elements with consistent visual cues such as borders, shadows, and color changes on hover/tap.

**5. Mobile App UI Design Best Practices:**

* Used large, tappable buttons for all actions to enhance touch accessibility.
* Ensured high contrast between text and background for readability.
* Incorporated a minimalist design to focus users' attention on essential tasks.

**Redesigned Facebook Login Screen Layout:**

|  |  |  |
| --- | --- | --- |
| **Component** | **Description** | **Interactive Elements** |
| Facebook Logo | Brand recognition element at the top. | No |
| Google Login Button | Quick login option with Google. | Yes (Button) |
| Apple Login Button | Quick login option with Apple. | Yes (Button) |
| Email/Phone Input Field | Single input field for email or phone. | Yes (Text Input) |
| Password Input Field | Expands below the email/phone field upon entry. | Yes (Text Input) |
| "Log In" Button | Primary action button to log in. | Yes (Button) |
| "Forgot Password?" Link | Navigation to password recovery. | Yes (Link) |
| "Create New Account" Link | Navigation to account creation. | Yes (Link) |

**Justification for Design Decisions:**

**Simplified Input Fields:**

* Combining the email/phone and password fields reduces the cognitive load on users by not overwhelming them with too many input fields at once. It also guides them through the process step-by-step, which is especially helpful for new users.

**Enhanced Navigation:**

* Grouping navigation options makes the interface cleaner and more organized, which helps users quickly find the actions they need.

**Accessible Login Options:**

* Placing alternative login options (Google and Apple) at the top ensures that users who prefer these methods can access them immediately, reducing friction in the login process.

**Interactive Elements:**

* Consistent visual cues for interactive elements help users quickly identify actionable items, improving overall usability.

**Mobile App UI Design Best Practices:**

* Large, tappable buttons improve accessibility, especially for users with larger fingers or those using assistive devices.
* High contrast ensures text readability for users with visual impairments.
* A minimalist design helps focus users' attention on the essential tasks, reducing distractions and improving task completion rates.

**Challenges and Solutions:**

**Challenge:** Balancing the need for simplicity with providing all necessary functions. **Solution:** By combining fields and grouping related options, I created a streamlined yet functional interface that maintains all essential elements without overwhelming the user.

**Challenge:** Ensuring accessibility for a diverse user base. **Solution:** Applied design best practices such as large buttons and high contrast to cater to users with different needs.

**Visual Representation:***A paper with writing on it

Description automatically generated*

**Conclusion:**

The redesigned Facebook login screen enhances user experience by simplifying the interface, improving accessibility, and making the login process more intuitive. These updates are driven by user needs and aligned with Android design guidelines to ensure a cohesive and user-friendly experience.