PROJECT DESCRIPTION DOCUMENT

Mobile Computing

BS(CS)-3B

AIR UNIVERSITY ISLAMABAD

Group Members

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AAB

Why we chose to make this App:

AAB focuses on celebrating modest clothing with an emphasis on abayas, addressing the needs of users who seek elegant, stylish, yet modest attire. The app caters to a growing audience by simplifying access to diverse abaya designs while honoring cultural representation and individuality.

Key Motivations:

1. Market Demand for Modest Fashion:
- **Growing Interest:** The increasing global demand for modest fashion caters to diverse demographics, including those who appreciate conservative styles.

- **Influencer Impact:** Modest fashion is significantly inspired by influencers promoting chic, fashionable designs that align with modesty.

2. Convenience and Accessibility:
- **Ease of Use**: AAB offers users an intuitive interface to explore, save, and interact with abaya designs seamlessly.

- **Cultural Representation**: AAB bridges tradition with modern trends, allowing users to explore fashion that reflects dignity and cultural pride.

3. Feedback and Improvement:

- The app continuously evolves by integrating user feedback to enhance features and overall user experience.

Design and Architecture:

1. **Frontend Development:**

- Built using **Flutter** for a responsive and interactive interface.

2. **Backend Integration:**

- **Supabase** stores uploaded abaya images.
- **Firebase** manages links to image files, user authentication, and user feedback.

3. **Scalability:**

- Modular design architecture ensures easy integration of new features and functionality.

Purpose of the App:

The app is designed to showcase and promote modest clothing, with a focus on abayas, while delivering a seamless user experience.

1. **Virtual Catalog**: Users can browse an extensive collection of abayas categorized as casual, events, prayer, and kaftan.
2. **User Convenience**: High-quality images and descriptions allow users to make informed decisions.

3. **Inspiration & Exploration**: Provides a platform for discovering unique abaya styles and trends.
4. **Functional Hub**: Features like a wishlist and a **"Contact Us"** section enhance usability and engagement.

Core Principles:

1. **Modesty**: Showcasing the elegance of modest attire.
2. **User-Focused Experience**: Prioritizing simplicity, convenience, and accessibility.
3. **Versatility**: Providing a variety of categories tailored to different occasions.
4. **Feedback Integration**: Contact details and user inputs are stored for future improvements.

Target Audience:

1. Women seeking inspiration in modest clothing.
2. Muslim women exploring modern and elegant abaya options.
3. Anyone appreciating abayas as a symbol of grace and cultural identity.

Key Functionalities:

1. **User Features**:

- **Country Selection**: Users can choose their country from a dropdown during onboarding.
- **User Registration**: Users sign up with email, username, password, and birth date.

- **Login Authentication**: Secure login with Firebase Authentication.
- **Category Browsing**: Users can explore various categories (Casual, Events, Prayer, Kaftan) with high-quality images and descriptions.
- **Add to Wishlist**: Users can like and save their favorite designs to a wishlist.
- **View/Edit Wishlist**: Users can review and remove saved items.
- **Contact Us Form**: Users can submit inquiries or feedback, which is stored in the Firebase backend.
- **Follow Us Section**: Direct access to social media links for updates on new collections.
- **Logout**: Users can securely log out from their accounts.

2. **Admin Features**:

- **Image Upload by Category**:
  - Admins can select categories (e.g., Casuals, Events).
  - Add file names and descriptions.
  - Upload images, which are stored in Supabase with their URLs saved in Firebase.
- **Content Management**: Uploaded images are displayed in the respective categories for users.

How AAB Helps Users:

- **Efficient Navigation:** The app categorizes abayas into intuitive sections, enabling users to browse effortlessly.

- **Visual Representation:** High-quality images allow users to explore designs in detail, enhancing their selection experience.
- **Personalization:** Users can create a wishlist of their favorite items for future reference.
- **Community Engagement:** The **"Follow Us"** section connects users to a broader community of like-minded individuals.

Conclusion:

AAB combines functionality with simplicity, offering an engaging, user-centric platform for browsing elegant abayas. With seamless backend integration, visually appealing categories, and a user-friendly interface, the app successfully redefines modest fashion in the digital age.