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FINAL YEAR PROJECTS SESSION 2023

FINAL PRESENTATION

PROJECT ID:
2023-SWEM - 08

Shadi Dubara

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Introduction of Project

► **Project Background**

"Many people face divorce or lose their partner, and it can be hard to find love again. Old ways of finding a match don't always work, leaving people feeling alone. The "Shadi Dubara" project uses modern technology to help divorced individuals and widows find love and companionship again..

Introduction of Project

► Project Background

"Shadi Dubara" is a innovative platform that empowers divorced individuals and widows to find love again. By utilizing the power of technology, we're creating a safe and user-friendly space for people to connect and start a new Journey. Our goal is to understand the unique challenges they face and provide a supportive community for their journey..

Aims and objectives

- ▶ Our goal is to create an online platform called "Shadi Dubara" that helps divorced and widowed individuals find a new life partner in a supportive and understanding environment.
- ▶ Provide a user-friendly mobile app where people can easily create profiles and search for potential partners.
- ▶ Develop an AI-based matching system that suggests compatible matches based on personal preferences and compatibility factors
- ▶ Ensure the privacy and security of users' personal information by implementing robust data protection measures.

Aims and Objectives

- ▶ Offer personalized customer support and guidance to help individuals navigate the process of finding love again.
- ▶ Utilize AI for accurate and personalized matchmaking based on user preferences.
- ▶ Integrate Firebase for real-time communication, including secure messaging.
- ▶ Implement advanced filters to refine partner searches (e.g., by preferences, location, etc.).

Scope of Project

"Shadi Dubara" is an app that helps widows and divorced people find a new life partner. We want to make it easy and safe for them to find someone special. Our plan includes:

- Creating a user-friendly app.

- Helping people create a detailed profile.

- Using AI to suggest compatible matches.

- Keeping personal information private and secure

- Offering support and guidance throughout the process

Tools and Technologies

▶ **FRONT END**

- Flutter
- Dart
- Figma

▶ **BACK END**

- Fire base
- Node js
- REST APIs

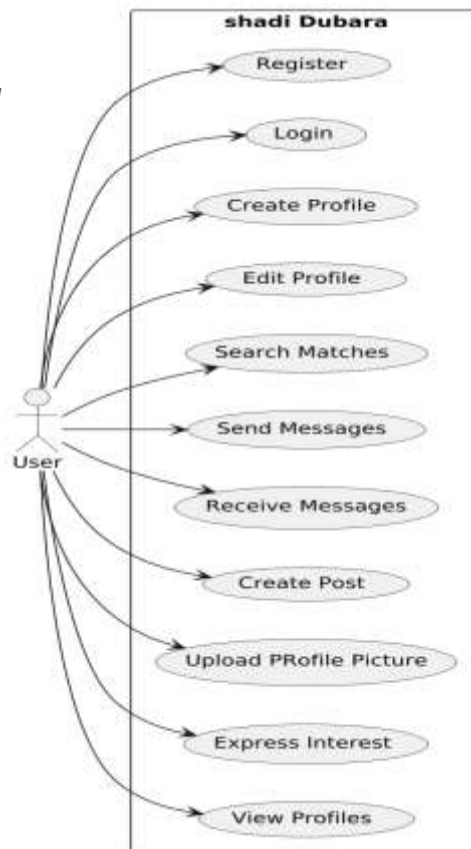
▶ **DEVELOPMENT TOOLS**

- Visual Studio Code
- Git

▶ **AI INTEGRATE**

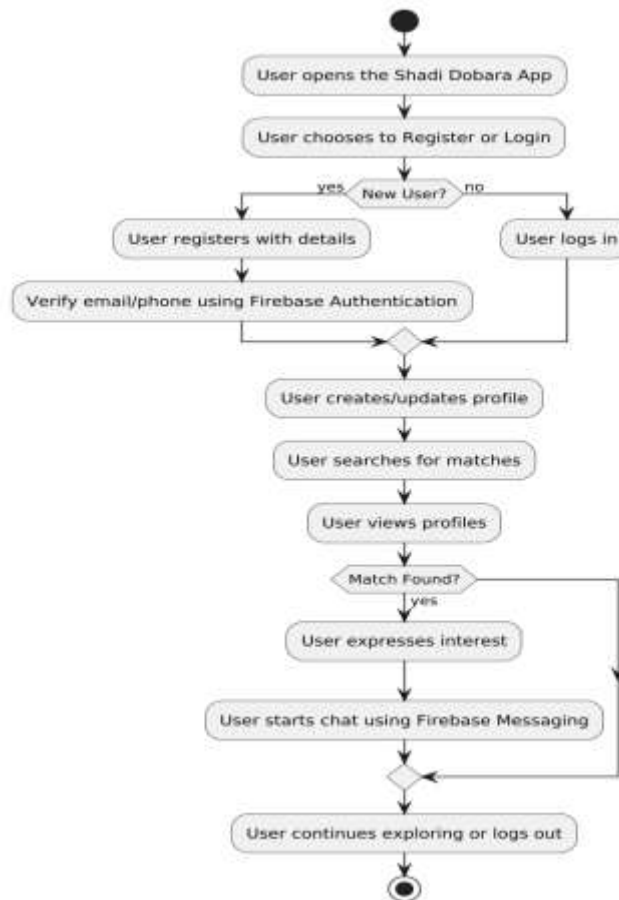
System Design and Architecture

USE CASE



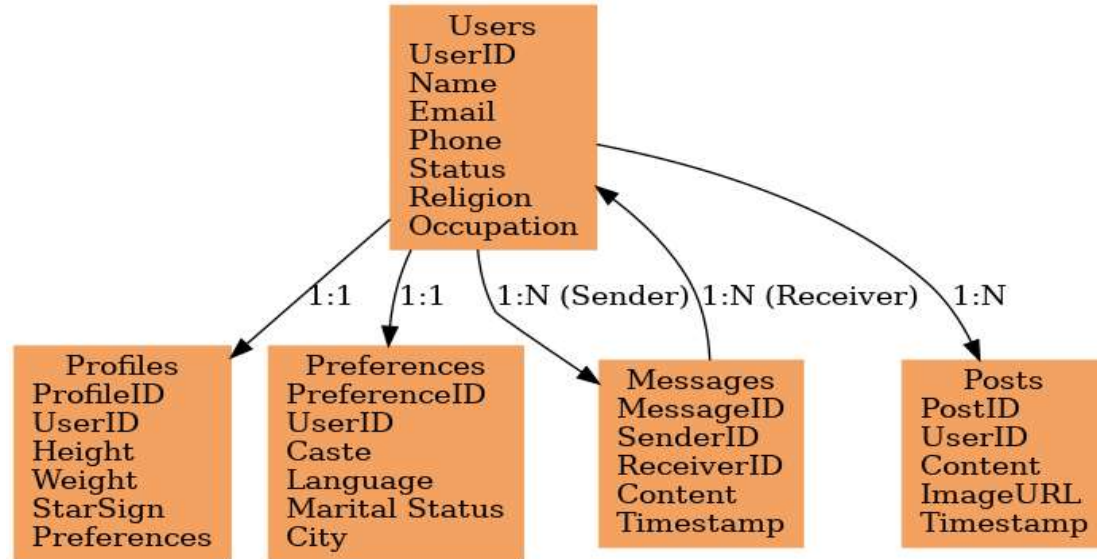
System Design and Architecture

ACTIVITY DIAGRAM



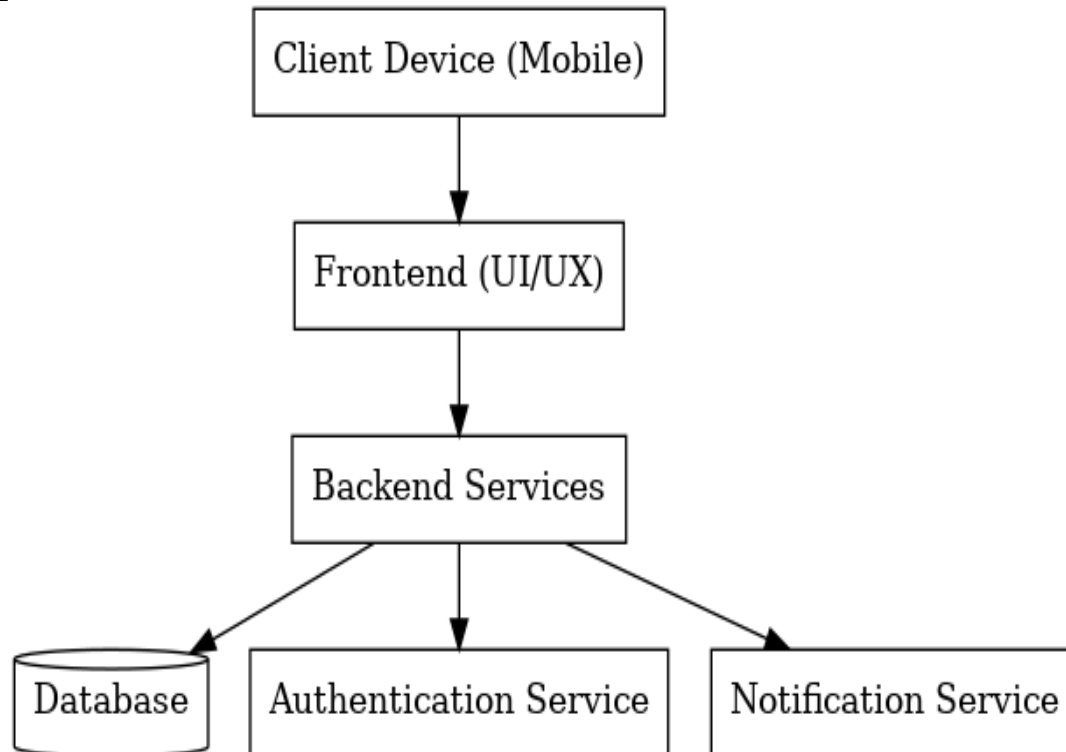
System Design and Architecture

Entity Relationship Diagram



System Design and Architecture

System Architecture Diagram

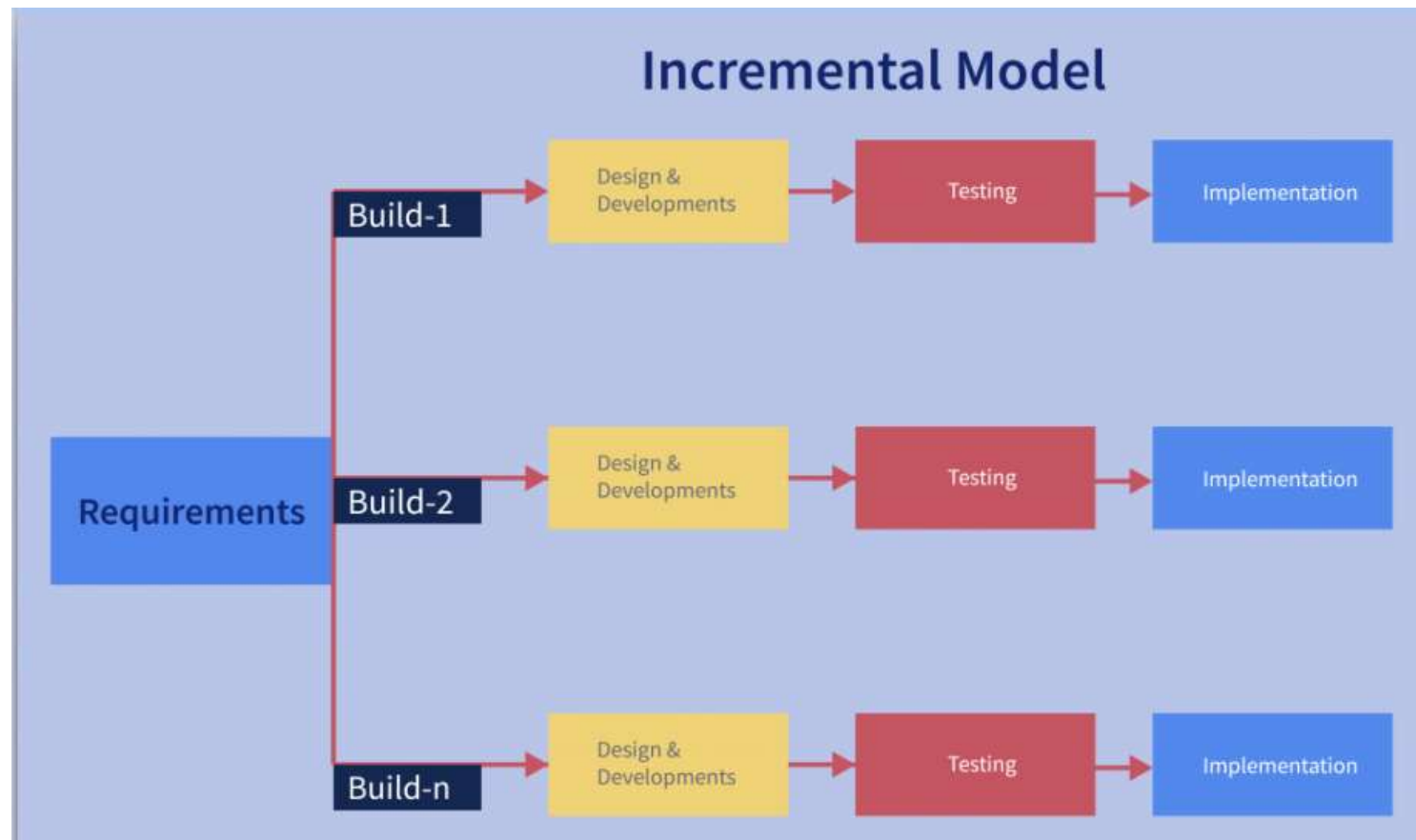


Design and Development Methodology

► INCREMENTAL BUILD MODEL

The requirements are segregated into multiple standalone modules/builds to be taken up during the software development life cycle (SDLC). The idea is to divide cycles into small manageable modules, which have to successfully pass-through requirements, design, coding, and tests. Each release is an increment towards another iteration until the whole functionality is complete and ready to be delivered to the customer. The increments are planned according to the requirements to be met.

Design and Development Methodology



Final Results



Splash Screen

The registration screen has a red header with the word 'Register'. Below the header is the DUBARA logo. The form contains two input fields: 'Email' and 'Password'. The 'Password' field has a lock icon on the right. Below the fields is a red 'Register' button. At the bottom, there is a link that says 'Already have an account? Login'.

Registration Screen

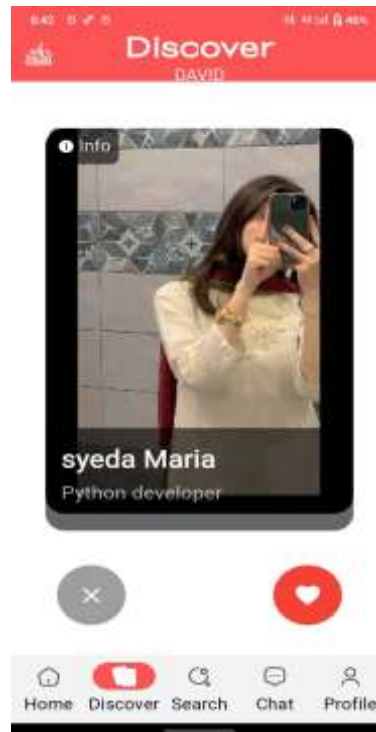
The login screen has a light pink background. At the top is the DUBARA logo. Below the logo is the text 'Welcome Back'. The form contains two input fields: 'Email' and 'Password'. The 'Password' field has an eye icon on the right. Below the fields is a red 'Login' button. Above the 'Login' button is a link that says 'Forget Password?'. Below the 'Login' button is a link that says 'Don't have an account?'. At the bottom is a white 'Register' button.

Login Screen

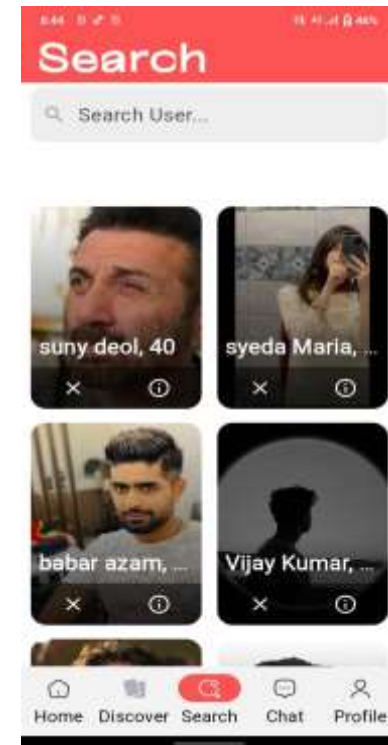
Final Results



Home Screen

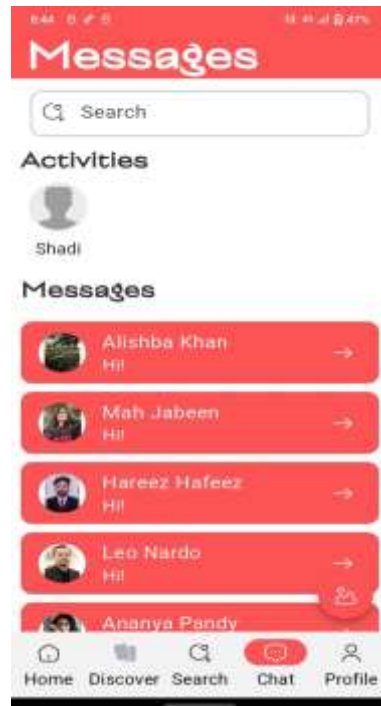


Discover Screen

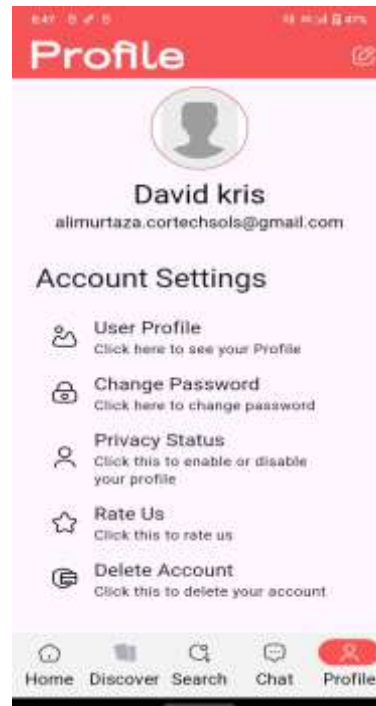


Search Screen

Final Results



Chat Screen




Profile Setting Screen



Post Screen

Final Results

← Profile Information



Change Profile Picture

hameez hameez

Akhtiar rasool

hameezrajp555@gmail.com

4540257404069

Marital Status
Married

Religion
Islam

Any Children
No

Job Status
Employed

← Profile Information

sindh

Arise

Any Disability
No

Family Type
Joint

5.3

50

software company

private employer

Government/Private Sector
Private

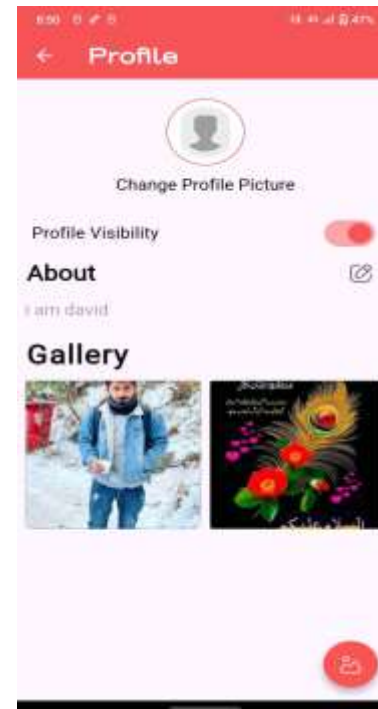
Update

Profile Info: Edit and Update Screen

Final Results



Another User Profile Screen



Profile Screen

Conclusion and Future Work

- ▶ The research focused on addressing the challenges faced by divorced and widowed individuals in Pakistan seeking companionship. "Shadi Dubara" was developed as an innovative platform designed to provide a safe, reliable, and user-friendly experience for individuals looking for a second chance at love. The platform integrates modern technology to ensure security, privacy, and ease of use.
- ▶ Key outcomes of this research include the identification of a significant social gap and the successful implementation of a user-centric digital matchmaking solution.

Conclusion and Future Work

- ▶ The technical infrastructure was built with security, transparency, and usability in mind, leveraging secure authentication, profile verification, and communication features to foster trust among users.
- ▶ By providing a structured and culturally sensitive platform, "Shadi Dubara" has the potential to redefine traditional matchmaking methods. The research demonstrated that technology-driven solutions could effectively bridge social gaps, offering a meaningful impact on individuals seeking companionship. The project lays a strong foundation for further improvements and enhancements in the future.

Conclusion and Future Work

Robust Security & Verification

- Introduce multi-factor authentication (MFA) to strengthen account security.
- Implement AI-based detection for fraudulent activities, ensuring a safer environment for genuine users.

User Engagement & Interaction Enhancements

- Introduce interactive profile elements such as video introductions and testimonials.
- Develop a community feature where users can participate in discussions, share stories, and seek advice.
- Implement in-app events such as virtual meet-and-greet sessions for better matchmaking.

Conclusion and Future Work

Mobile App Optimization & Expansion

- Improve app responsiveness and navigation for a seamless experience across devices.
- Expand support for iOS users to increase accessibility and engagement.
- Implement offline features, allowing users to access basic functions without internet connectivity.

Cultural Adaptation & Inclusivity

- Expand language support to accommodate diverse communities and regions.
- Offer customized matchmaking options based on cultural and religious preferences.

Conclusion and Future Work

Monetization & Value-Added Services

- Introduce subscription plans that offer enhanced visibility, exclusive matchmaking features, and expert counseling services.
- Provide a secure payment gateway for users choose premium services.

Support & Guidance for Users

- Integrate relationship coaching and counseling sessions to help users with emotional readiness for remarriage.
- Create AI-powered chatbots for immediate customer support and guidance.
- Collaborate with psychologists and relationship experts to offer tailored support.

Contribution of Each Group Member

- ▶ **Hareez Hafeez** : His/Her Contribution in this project.
- ▶ **Ali Murtaza** : His/Her Contribution in this project.
- ▶ **Fahim Sario** : His/Her Contribution in this project.

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Thank You!