

SYNOPSIS REPORT

TITLE OF THE PROJECT

Dilse Matchify – A Web-Based Dating Application

1. Introduction

Dilse Matchify is a web-based dating platform designed to connect individuals based on their personal information, lifestyle preferences, and mutual interests. Developed as part of an internship project, the application focuses on creating a culturally relevant, user-friendly, and secure environment for meaningful connections. The project was executed as a model (non-reactive) full-stack application using HTML, CSS, JavaScript, Bootstrap, PHP, and MySQL, hosted locally on XAMPP.

Unlike typical dating apps that focus on quick swiping, Dilse Matchify aims to foster genuine interactions by allowing users to set detailed partner preferences, view compatible profiles, and engage in safe communication. The design and implementation also consider responsiveness, ease of use, and scalability for future enhancements.

2. Objectives

1. To design and implement a responsive web interface for user interaction.
 2. To create a comprehensive signup system capturing detailed user information.
 3. To securely store user data in a structured MySQL database.
 4. To integrate backend logic for data submission and validation.
 5. To lay the foundation for future features such as profile matching, blogs, and chat systems.
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3. Scope

The current scope of the project includes:

- **Frontend Development** – Building pages such as signup, login, and profile view.
- **Backend Development** – Using PHP for server-side scripting and MySQL for database management.
- **Database Design** – Creating tables for user information, with fields for personal, lifestyle, and preference data.

- **Security** – Implementing password hashing, form validation, and secure data handling.
 - **Planned Features** – Profile picture uploads, matching algorithm, blog section, and basic chat functionality.
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4. Technology Stack

- **Frontend:** HTML5, CSS3, JavaScript, Bootstrap
 - **Backend:** PHP (server-side scripting)
 - **Database:** MySQL
 - **Development Environment:** XAMPP (Apache + MySQL)
 - **Tools:** phpMyAdmin, Visual Studio Code, GitHub (for version control)
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5. Modules and Features

Implemented Modules:

1. **User Registration (Signup)**
 - Captures name, email, password, age, gender, and interests.
 - Validates data before submission.
 - Stores information securely in the database.
2. **Database Connection**
 - Configured using db.php.
 - Secure connection handling with error checking.
3. **Basic UI/UX Design**
 - Responsive layout using Bootstrap.
 - Clean navigation flow for users.

Planned Modules:

1. **Login and Authentication**
 - Validate credentials against the database.
 - Maintain session-based user logins.
2. **Profile Management**

- View and edit personal information.
 - Upload profile pictures.
 - 3. **Matchmaking Feature**
 - Suggest users with compatible preferences.
 - 4. **Blog Section**
 - Share articles, tips, and stories.
 - 5. **Chat System**
 - Non-reactive message exchange between matched users.
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6. Weekly Progress Summary

Week 1–2: Research and Planning

- Studied existing dating app models.
- Identified features suitable for a cultural context.
- Created project folder and database in XAMPP.

Week 3–4: Frontend Development

- Designed signup and login forms.
- Added responsive styling using Bootstrap.
- Implemented basic JavaScript form validation.

Week 5–6: Backend Integration

- Created db.php for MySQL connection.
- Developed register.php to insert signup data.
- Fixed errors such as missing table columns.

Week 7–8: Testing and Documentation

- Tested form submissions and database entries.
 - Documented project flow and prepared presentation slides.
 - Planned future enhancements.
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7. Expected Output

A functional prototype of a dating web application that:

- Allows secure user registration.
 - Stores data in a MySQL database.
 - Has a responsive, mobile-friendly interface.
 - Provides a foundation for future advanced matchmaking features.
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8. Conclusion

Dilse Matchify demonstrates the core principles of full-stack development, from frontend design to backend integration. While the current version is a non-reactive model, the structure and codebase are ready for expansion into a fully dynamic application. The project reflects practical learning in HTML, CSS, JavaScript, PHP, and MySQL, and offers a scalable solution for building modern web-based dating platforms.

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