# MINI PROJECT REPORT (KCS-354)

## "DATE MATE – A dating Website"

**A Mini project report**

**Submitted in Partial Fulfilment of requirements for the Award of Bachelor of Technology degree**

**In**

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# SYNOPSIS

**INTRODUCTION**

Date mate is a dating website which helps to anyone date online from anyone across the world. Dating Websites are a specific type of social media designed for people to find romantic partners and friends. Date mate doesn't depend on gender it means anyone that may be male, female and even transgender, gay or lesbian can date. It allows users to communicate and interact with many different people that have the same interests.

A dating website project aims to create a platform that allows users to find and connect with potential partners based on shared interests, preferences, and geographical location. The website will provide users with a user-friendly interface that makes it easy to browse profiles, send messages, and engage with other users. The website will have a registration process that requires users to create a profile with basic personal information, including age, gender, location, and interests. Users will also have the option to upload photos and videos to their profile to showcase their personality and hobbies. The website will use algorithms to match users based on their preferences, interests, and compatibility. Users will be able to search for potential partners using filters such as age range, location, and interests. To ensure the safety of its users, the website will implement strict security measures, including verifying user profiles and providing a reporting system for suspicious activities. The website will generate revenue through paid subscriptions that offer additional features and perks, such as unlimited messaging, advanced search filters, and access to exclusive events and activities.

Overall, the dating website project aims to create a platform that helps people find meaningful connections and build long-lasting relationships based on shared interests and values.

## Objective of Dating Website:

- You can meet new people here as this is worldwide.
- It increases the probability of finding your match.
- It has great features to enhance your experience
- Less effort in approaching.

- Stay safe.
- You can to multiple people at once.
- You can filter the dating pool.
- It’s good for shy people.
- Find lifelong partnership.
- You can find your mate what you about to want.

## Abstraction of dating website

A dating website is an online platform that facilitates social interactions between individuals who are looking for romantic or sexual relationships. The website typically operates by allowing users to create profiles that describe themselves and their interests, and then search for other users who match their preferences

Here are some key components of a dating website:

**User Profiles:** Users create personal profiles that include information about themselves, such as their age, gender, interests, location, and photos.

**Matching Algorithms:** The website uses algorithms to match users with potential partners based on their profiles, preferences, and behavior on the website.

**Messaging System:** Users can communicate with each other through a messaging system that allows them to send and receive messages privately.

**Search Functionality:** Users can search for potential partners based on various criteria, such as age range, location, interests, and more.

**Privacy and Safety Features:** The website should have measures in place to protect user privacy and safety, such as verification processes and reporting mechanisms for inappropriate behavior.

**Subscription and Payment System:** The website may offer different levels of membership that provide access to additional features or benefits, and may require payment for certain services.

**Test and Launch:** Test the website for functionality, usability, and security, and launch the website to the public.

## Modules

**Admin module:** Update profile, Trace location, Verify user, Manage password & premium.

**User module:** chatting, notification, rooms, dashboard.

## Conclusion of dating website project

In conclusion, a dating website project has the potential to provide a valuable service to individuals looking to find love and companionship online. By leveraging advanced algorithms and user-friendly interfaces, such a platform can help connect people based on shared interests, values, and geographical location.

However, it's important to note that building a successful dating website requires careful planning and execution, as well as a deep understanding of user needs and behavior. Additionally, safety and security should always be a top priority to ensure that users can trust the platform and feel comfortable sharing personal information.

Despite the challenges involved, a well-designed dating website can be a lucrative business venture and provide a valuable service to millions of people around the world. With the right team and strategy, it's possible to create a successful platform that helps people find love and build meaningful connections in a safe and reliable way.

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# 1. Introduction

## 1.1 Introduction

Dating websites have become a popular way for people to connect and find romantic relationships in the digital age. These websites have revolutionized the way people approach dating by providing a platform where individuals can search for potential partners based on their preferences, interests, and location. The concept of dating websites emerged in the late 1990s with the launch of websites such as Match.com and eHarmony.com. These websites were designed to help people find compatible partners through online profiles, matchmaking algorithms, and communication tools. Over time, dating websites have evolved to incorporate new technologies, features, and user experiences, making them more accessible and popular among a wider audience. The popularity of dating websites can be attributed to several factors.

First, they provide a convenient way for people to meet new partners without the constraints of time and space. Users can create profiles, search for potential matches, and communicate with others at their own pace and from any location. This makes dating websites ideal for people who have busy lifestyles or who live in remote areas.

Second, dating websites offer a wider pool of potential partners than traditional dating methods. Users can search for partners based on various criteria, such as age, gender, location, interests, and more. This allows them to find partners who match their preferences and who they may not have met otherwise.

Third, dating websites provide a level of anonymity and safety that is not always present in traditional dating methods. Users can communicate with potential partners without revealing personal information until they are comfortable doing so. This allows them to establish trust and build a rapport with others before meeting in person.

Fourth, dating websites have become more socially acceptable in recent years. With the rise of social media and online communication, people are becoming more comfortable with the idea of meeting and connecting with others online. This has led to a shift in attitudes

towards online dating and a growing acceptance of dating websites as a legitimate way to find partners.

Today, there are hundreds of dating websites catering to a wide range of audiences, interests, and preferences. Some websites are designed for specific age groups, such as seniors or millennials, while others cater to specific interests, such as fitness enthusiasts or pet lovers. Some websites are focused on casual hookups, while others are geared towards long-term relationships. Dating websites vary in their features and functionality, but they typically include some common components. These include user profiles, matchmaking algorithms, communication tools, search functionality, privacy and safety features, and subscription and payment systems. Users can create profiles that describe themselves and their interests, search for potential matches based on various criteria, communicate with others through messaging or video chat, and upgrade their accounts to access additional features.

Despite the many benefits of dating websites, they are not without their challenges. One of the main challenges is the issue of fake profiles and scams. Some users create fake profiles or engage in fraudulent behavior to deceive others and extract money or personal information. Dating websites must be vigilant in detecting and removing such profiles to protect their users. Another challenge is the potential for online harassment and abuse. Users may experience harassment, stalking, or unwanted advances from others, which can be difficult to manage and prevent. Dating websites must have robust privacy and safety features in place to protect their users from such behavior.

In conclusion, dating websites have revolutionized the way people approach dating by providing a convenient, safe, and accessible platform for individuals to search for potential partners. While they are not without their challenges, dating websites have become an integral part of modern dating culture, and will likely continue to evolve and adapt to meet the changing needs and preferences of their users

## 1.2 Objective

A dating website project aims to create a platform that allows users to find and connect with potential partners based on shared interests, preferences, and geographical location. The website will provide users with a user-friendly interface that makes it easy to browse profiles, send messages, and engage with other users. The website will have a registration process that requires users to create a profile with basic personal information, including age, gender, location, and interests. Users will also have the option to upload photos and videos to their profile to showcase their personality and hobbies.

The website will use algorithms to match users based on their preferences, interests, and compatibility. Users will be able to search for potential partners using filters such as age range, location, and interests. To ensure the safety of its users, the website will implement strict security measures, including verifying user profiles and providing a reporting system for suspicious activities.The website will generate revenue through paid subscriptions that offer additional features and perks, such as unlimited messaging, advanced search filters, and access to exclusive events and activities.

## 1.3 Motivation

## 1.4 Problem Definition

# Chapter 2: Hardware and Software Requirement

## 2.1 HARDWARE REQUIREMENTS

Operating System (OS): Windows/MAC OS

Processor:  Intel (minimum i3/AMD)

RAM: 4GB (minimum)

SSD: 256GB

## 2.2 SOFTWARE REQUIREMENTS

Web browser: Chrome/edge

Code editor: Notepad++/ VS code

Server: WAMPP/ XAMPP

Front-end: HTML, CSS and Bootstrap

Back-end: php, JavaScript

Database: MYSQL

# CHAPTER 3: Software Requirement Specification

## 3.1 INTRODUCTION:

The hardware requirement at the user end is really simple and the website can also run on the hardware that can run a basic simple browser, although the hardware should be good enough during peak times for the web servers hardware interfaces. The hardware requirement at the user end is really simple and the website can also run on the hardware that can run a basic simple browser, although the hardware should be good enough during peak times for the web servers Software Requirement Specification SRS is designed document and describe the agreement between the customer and the developer regarding the specification of dating website to be used efficiently, all computer software needs certain hardware components or the other software resources to be present on a computer. These pre-requisites are known as (computer) system requirements and are often used as a guideline as opposed to an absolute rule. Most software defines two sets of system requirements: minimum and recommended. With increasing demand for higher processing power and resources in newer versions of software, system requirements tend to increase over time.

## 3.2 HARDWARE REQUIREMENTS:

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems.

HARDWARE REQUIREMENTS FOR PRESENT PROJECT:

PROCESSOR: Intel dual Core i3

RAM: 1 GB

HARD DISK: 80 GB

## 3.3 SOFTWARE REQUIREMENTS:

Software Requirements deal with defining software resource requirements and pre-requisites that need to be installed on a computer to provide optimal functioning of an application. These requirements or pre-requisites are generally not included in the software installation package and need to be installed separately before the software is installed. SOFTWARE REQUIREMENTS FOR PRESENT PROJECT: OPERATING SYSTEM : Windows 7/ XP/8 FRONT END : HTML, CSS, JAVASCRIPT, BOOTSTAP SERVER SIDE SCRIPT : PHP DATABASE : MYSQL

**HTML:** HTML or Hypertext Mark-up Language is the standard mark-up language used to create web pages. HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like). HTML tags most commonly come in pairs like, although some tags represent empty elements and so are unpaired, for example
Error! Filename not specified.. The first tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). Though not always necessary, it is best practice to append a slash to tags which are not paired with a closing tag. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML describes the structure of a website semantically along with cues for presentation, making it a mark-up language rather than a programming language.

**CASCADING STYLE SHEETS (CSS):** It is a style sheet language used for describing the look and formatting of a document written in a mark-up language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.

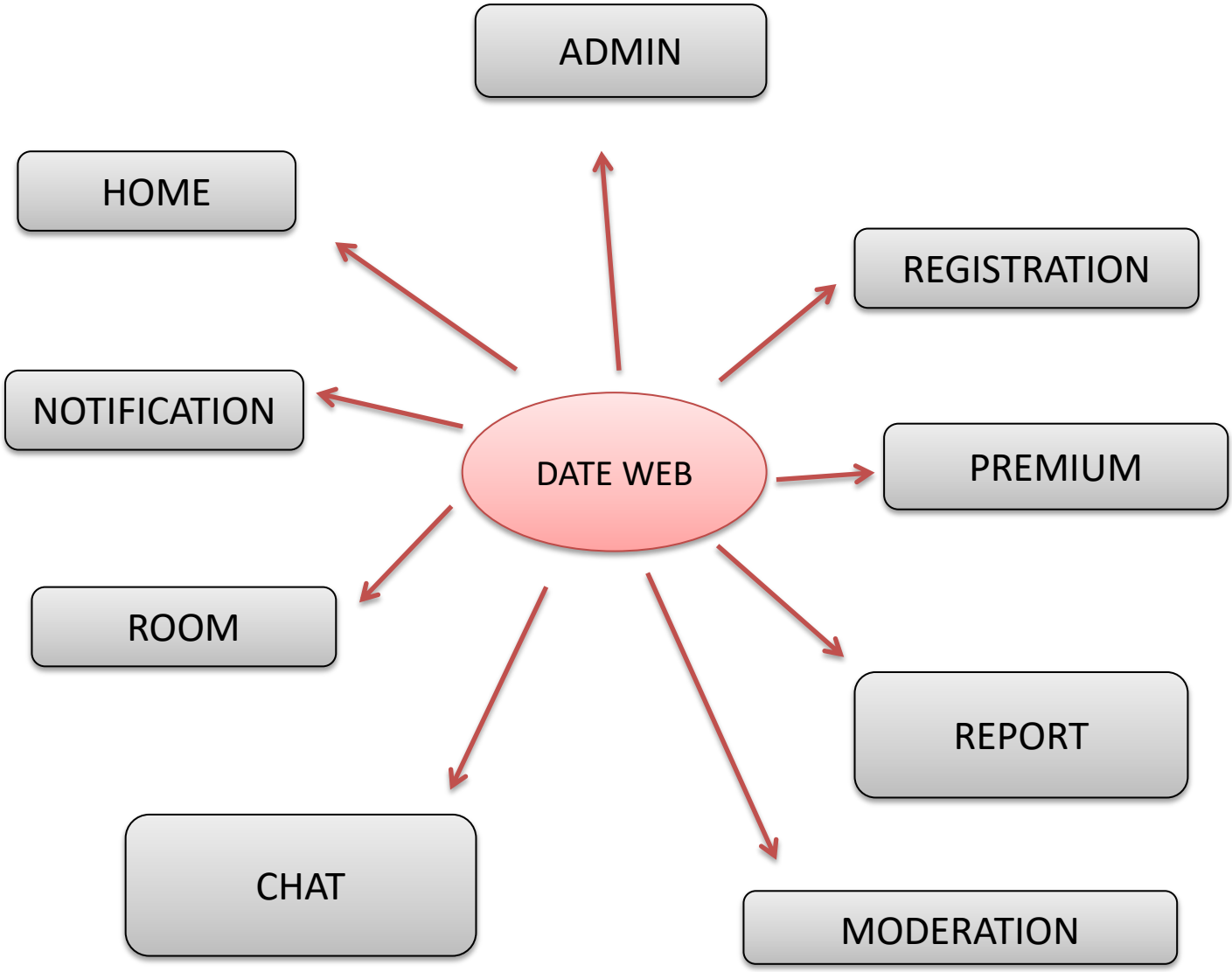
**MySQL:** MySQL is developed, distributed, and supported by Oracle Corporation. MySQL is a database system used on the web it runs on a server. MySQL is ideal for both small and large applications. It is very fast, reliable, and easy to use. It supports standard SQL. MySQL can be compiled on a number of platforms. The data in MySQL is stored in tables. A table is a collection of related data, and it consists of columns and rows. Databases are useful when storing information categorically.

**JAVASCRIPT:** JavaScript is the scripting language of the Web. All modern HTML pages are using JavaScript. A scripting language is a lightweight programming language. JavaScript code can be inserted into any HTML page, and it can be executed by all types of web browsers. JavaScript is easy to learn.

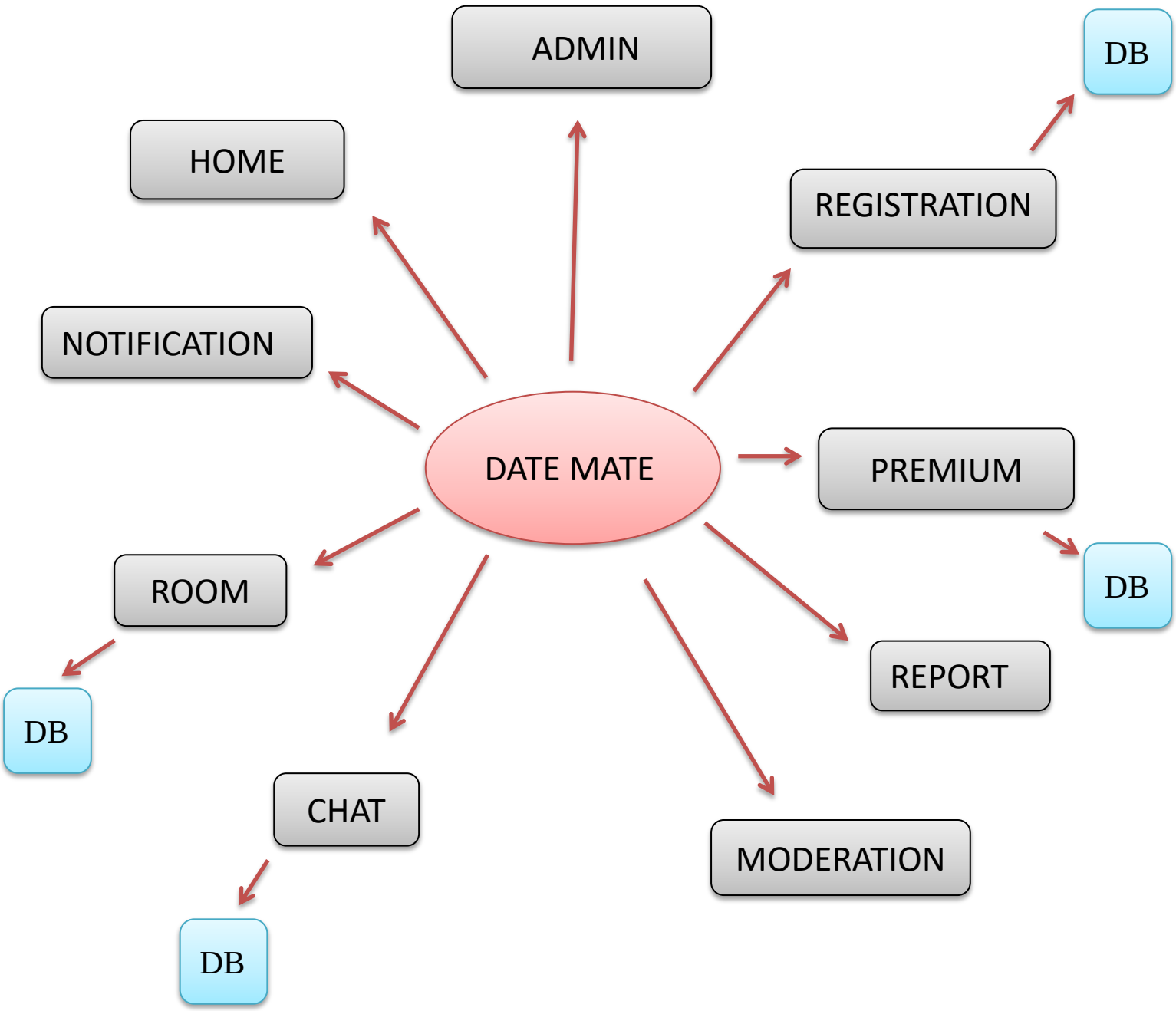
# Chapter 4: Data Flow Diagram/ER Diagram

## LEVEL 0 DFD

**LEVEL 1 DFD**


ADMIN
HOME
REGISTRATION
NOTIFICATION
DATE WEB
PREMIUM
ROOM
REPORT
CHAT
MODERATION

# LEVEL 2 DFD


ADMIN
DB
HOME
REGISTRATION
NOTIFICATION
DATE MATE
PREMIUM
DB
ROOM
REPORT
DB
CHAT
MODERATION
DB

# Chapter 4: Data Base Design/ Project Modules/ Database Tables

## 4.1 User Module

**User registration and authentication:** This module is responsible for user registration, login, and account verification. It typically includes features such as password reset, email verification, and two-factor authentication to ensure the security of user accounts.

**User profile creation:** This module enables users to create and customize their profile with information such as age, gender, location, interests, photos, and videos. Users may also be able to edit their profile at any time to keep their information up-to-date.

**Messaging and communication:** This module enables users to communicate with each other through private messages, chat rooms, or other means of communication. It may also include features such as message filtering, read receipts, and online status indicators.

**Notifications:** This module sends notifications to users about new messages, matches, or other activities on the site. Users may be able to customize their notification settings to control the frequency and type of notifications they receive.

## 4.2 Admin Module

**Reporting and moderation:** This module allows users to report suspicious or inappropriate behavior, such as spam, harassment, or fake profiles. The site administrator may also use this module to moderate content and enforce site policies.

**Search and matchmaking:** This module allows users to search for potential matches based on various criteria, such as age range, location, interests, and compatibility. The matchmaking algorithm may use complex calculations and data analysis to suggest matches that are likely to be a good fit.

**Payment and subscription management:** This module handles payment processing and subscription management for users who want to access premium features or services. It may include features such as billing history, subscription cancellation and refunds.

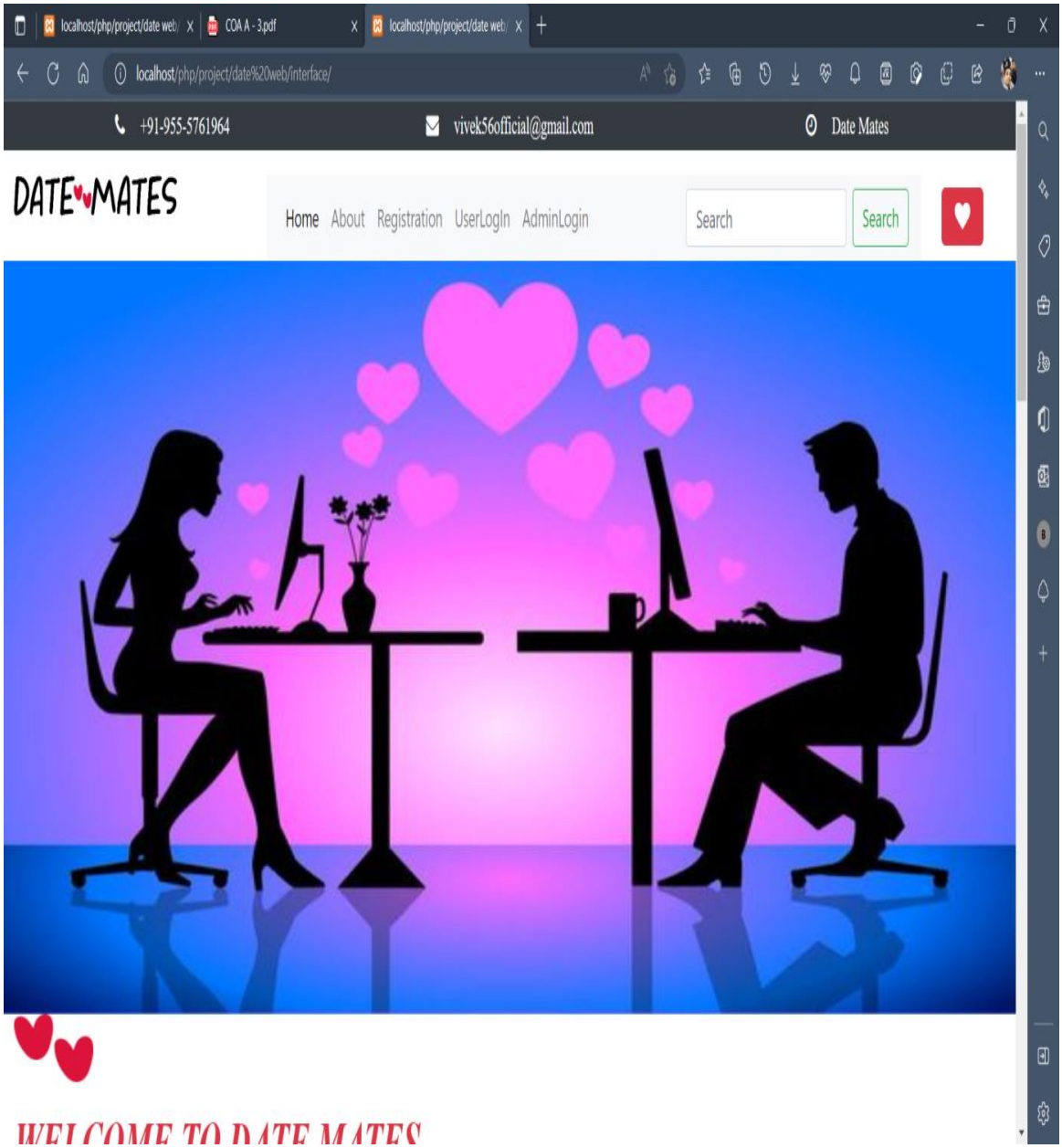
**Location Tracking:** This module used to trace the location of the user to show the matched result based of their location. It makes easy to interact with them.

These are just a few of the key modules that can be used in a dating website. Depending on the specific needs of the site, there may be other modules and features that are required as well.

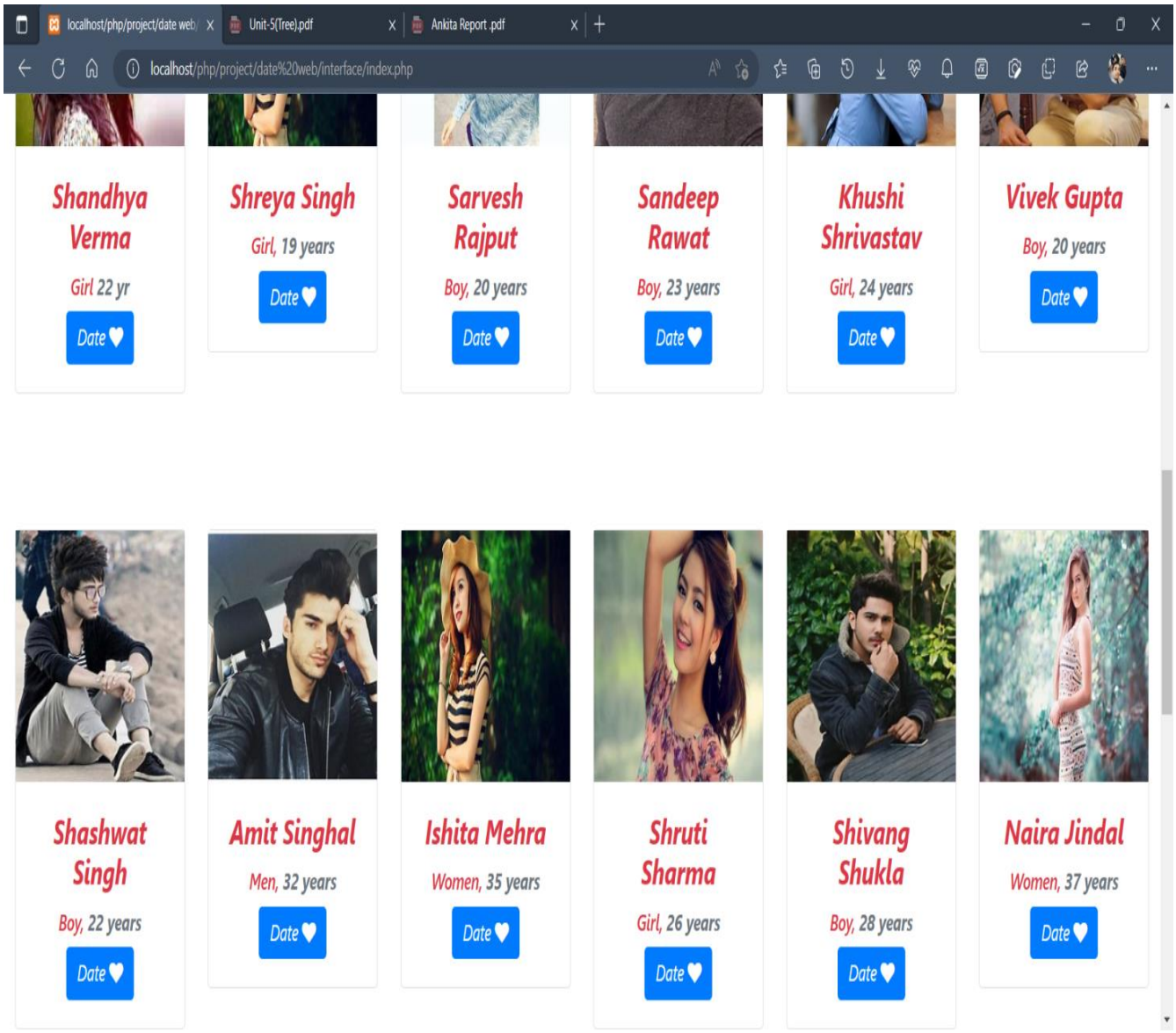
# CHAPTER 5: PROJECT SNAPSHOTS

## HOMEPAGE

Home page describes how a page looks like. It is used to enhance the interaction of the user.

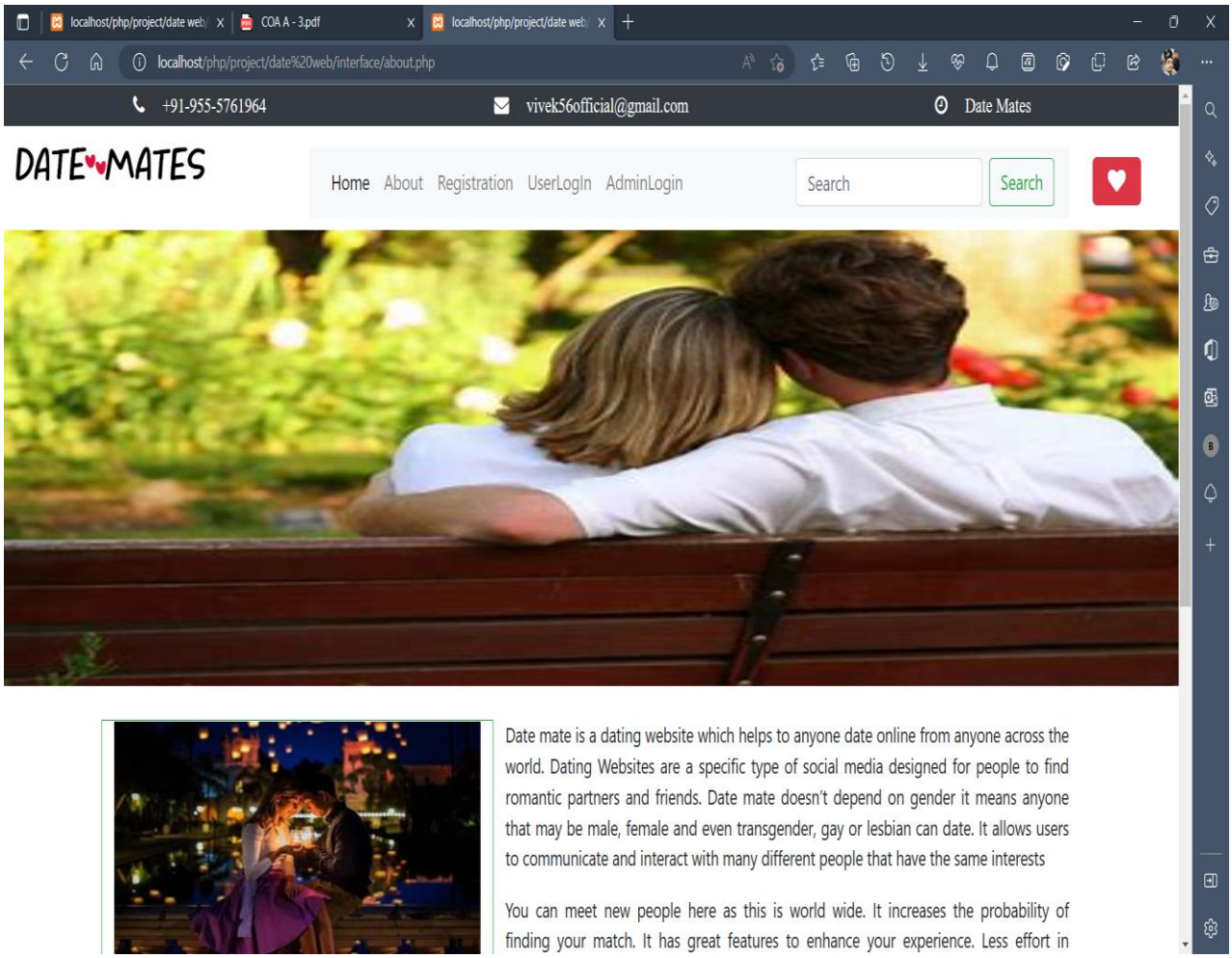


**HOME PAGE**




**ABOUT**

An about section of the web page shows what this website actually works?



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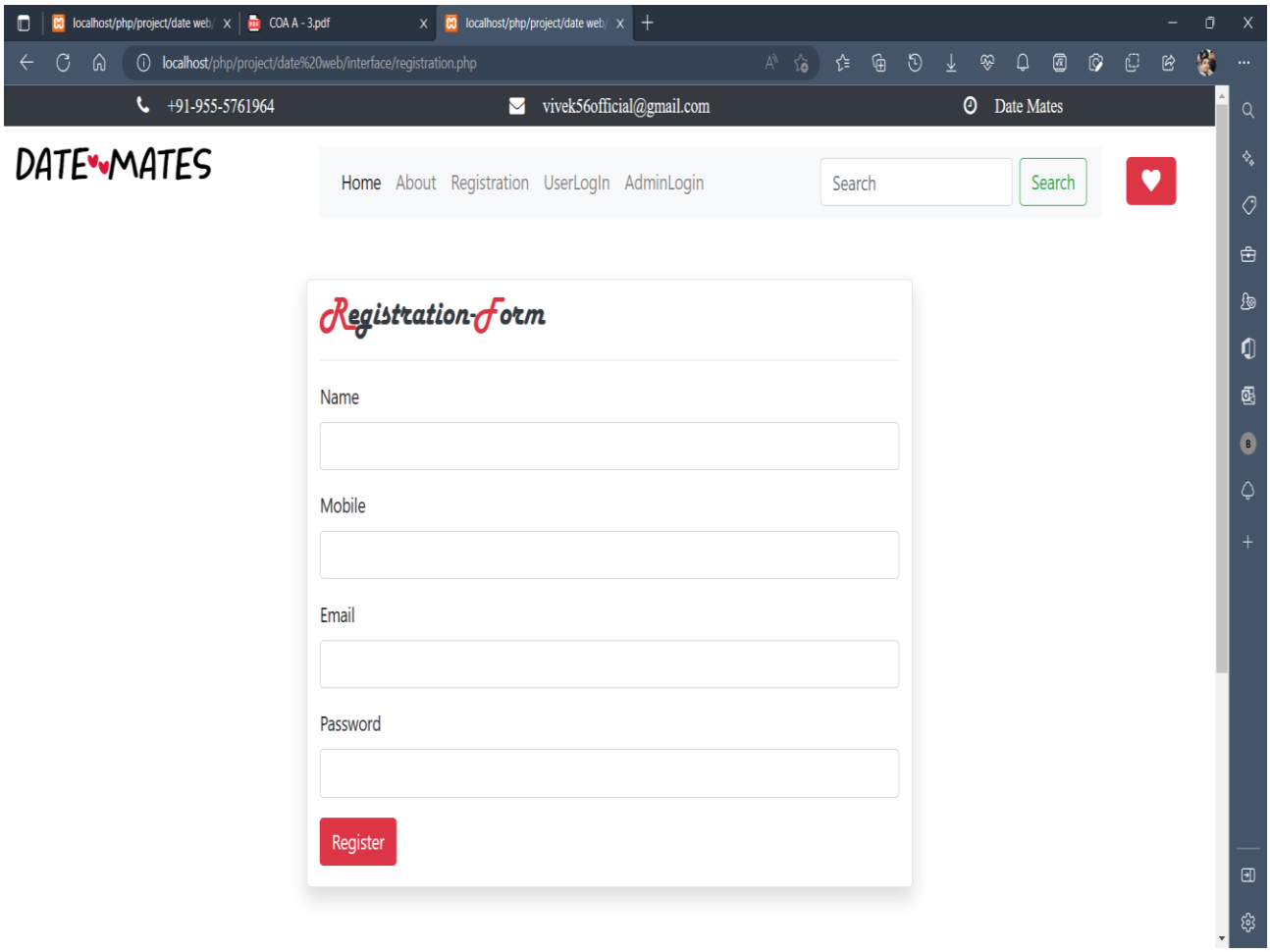
You can meet new people here as this is world wide. It increases the probability of finding your match. It has great features to enhance your experience. Less effort in

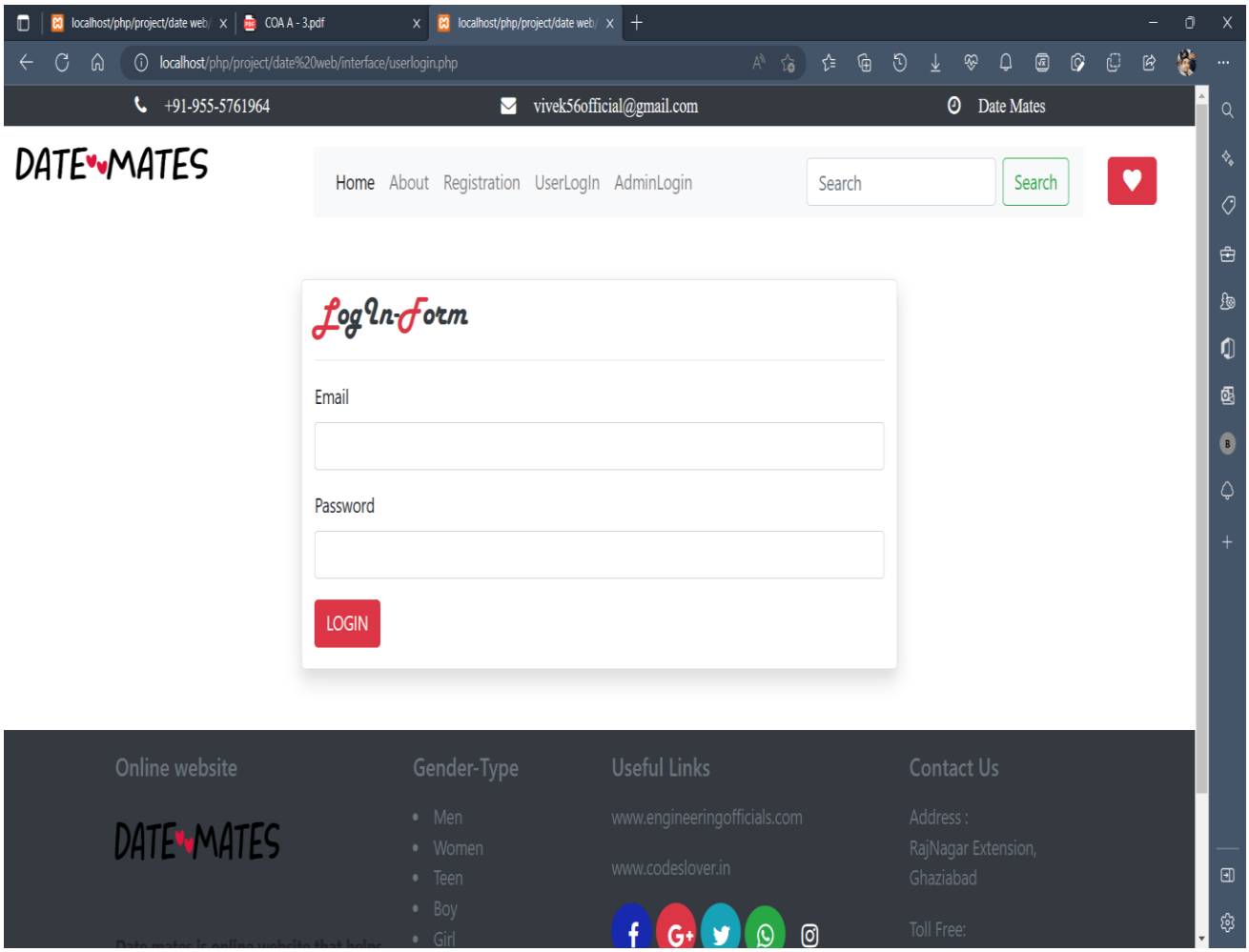
## User login

This section of the web page used by the user to log in themselves.



**Admin login**

This section is only for admin, an admin can log in by using their own ID & password.



# Chapter 6: Limitations

# Chapter 7: Future Scope

# CONCLUSION

In conclusion, a dating website project has the potential to provide a valuable service to individuals looking to find love and companionship online. By leveraging advanced algorithms and user-friendly interfaces, such a platform can help connect people based on shared interests, values, and geographical location.

However, it's important to note that building a successful dating website requires careful planning and execution, as well as a deep understanding of user needs and behavior. Additionally, safety and security should always be a top priority to ensure that users can trust the platform and feel comfortable sharing personal information.

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# Refrences