

# Web Development Project

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## 1 Introduction

This documentation provides an overview of a dating website named *Love Link* which follows a particular algorithm and finds a perfect match for the user. The website is created using **HTML**, **CSS** and **Javascript**.

## 2 Basic Requirements

The basic requirements consisted of creating the following pages :

- Login Page
- An Input Interface
- A Scrolling Page

### 2.1 Login Page

The Login page consists input fields where the user have to type in the correct credentials (i.e. username and password) to access the input interface .

This page have a *Forgot Password* button as a method to recover the password in case someone forgets his/her password. When the user clicks on the *Forgot Password* button then a new page will open which asks the user to type in his/her correct username . As soon as the user types the username and clicks on submit button a secret question will appear on the screen . If the user correctly answers the question and clicks on the *Get Password* button , the password will appear on the screen. The user can use the back button on the page to go back to the Login page.

The code for these tasks is written in **login.html** , **login.js** and **login.css** files.

### 2.2 The Input Interface

In the input interface the user who want to get a perfect match have to fill his/her details including name,age,gender,interests,hobbies etc.

There are three buttons on the input interface *Find a match* button , *Scroll through profiles* button and *Logout* button.

When the user clicks on the *Find a Match* button , **the output interface appears on the same page (i.e dating.html)**. When the user clicks on the *Scroll through profile* page in which all the profiles available in the **students.json** file will appear and when the user clicks on the *Logout* button the Login page opens again.

The code for these tasks is in **dating.html**, **script.js** and **style.css** files

### 2.3 Scrolling Page

When the user clicks on the *Scroll through profiles* button then a page containing the profiles of different people will appear . The details of these people are

stored in **students.json** file . The contents of the JSON file are read using the **fetch()** function

In this page a div with id *profilesContainer* is created and then each profile is appended in this div using the **createProfileCard()** function .

The code for these tasks is written in **scroll\_or\_swipe.html**, **scroll\_or\_swipe.js** and **scroll.css** files.

## 3 Customizations

This section highlights the customizations made in the website so that it looks and functions better

### 3.1 Interactive User Interface

A lot of animation has been added in the website using **CSS** .Now, let's discuss about the major animations and styles applied in various pages:

- AI generated background images which cover the whole background are used for each page of the website .This provides the site aesthetic looks.
- Images are animated by changing their scales using keyframes so that their size increases and decreases periodically and in the Forgot Password page the color of thick border of an image is changed periodically in an infinite loop.
- The divs containing various fields are translating in Y-axis smoothly when the page is loaded. The opacity of the divs has been decreased to make them look translucent.
- A soothing background music is also added which starts playing when the user clicks on any button and interacts with the site . *onmouseover* and *onmouseout* functions have also been applied for all the buttons which changes the size and color of the button on hovering the mouse over it.

### 3.2 Likes/Like meter

In the **Scrolling Page** a like button has been provided in each profile. Initially, the likes for each profile will be zero but as soon as someone likes a profile then the number of likes increases and remains same even after refreshing the page . This has been done using the **localStorage** feature of javascript . When the person clicks on the like button the color of the button changes from white to red.

If someone wants to dislike a previously liked profile then he/she can do so by clicking on the like button again and on doing so the number of likes also decrease by one.

### 3.3 Filters

In the **Scrolling Page** a filter option is provided in the navigation bar .Initially the value inside the drop-down button will be male but when the user clicks on the drop-down button and chooses female it will show profiles of all the female students . When male is choosen only male profiles are shown to the user. To view changess user first have to select female option .

### 3.4 Mailing the perfect match

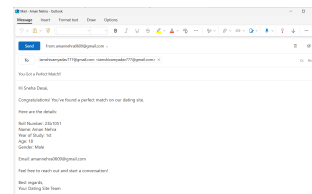
In the output interface there is a *Send Email* button , on clicking the button an email window will open with automatically generated subject and **personalized body** . The window will have email address of sender and reciever , which will automatically appear.

User just has to press the send button to send the email to his/her perfect match.

*mailto* have been used to send this **personalized email** to the perfect match. Minimise the dating site window and look for the email window if the email window doesn't pop up in front .



(a) Perfect Match



(b) Email

### 3.5 Matching Opposite Genders

The matching algorithm of this site matches two person on the basis on common interests. In the input interface when the user selects his/her gender then all the profiles with the same gender are not considered for matching of interests . Since the same gender is not considered hence a **male will be matched to a female student and similarly a female student will be matched to a male student** . If the user chooses other as gender then they are matched to either male or female depending on the interests