

# Matrimonial Website

A project submitted to

**UKA TARSADIA UNIVERSITY**

in partial fulfillment of the requirements for the degree of

**Bachelor of Science**

in

**Information Technology**

for

**5 Years Integrated M.Sc.(IT)**

By

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**Babu Madhav Institute of Information Technology**

**Uka Tarsadia University**

**Bardoli – 394350**

**April 2022**

# CERTIFICATE

This is to certify that **Hirapara Sahil Rameshbhai (201906100110067)** and **Radadiya Jaymeen Vipulbhai (201906100110055)** has submitted project entitled **Matrimonial Website** as the partial fulfillment for the award of the degree of Bachelor of Science in Information Technology for 5 Years Integrated M.Sc.(IT) in 2021 – 2022.

**Date:**

**Place:**

**Ms. Abha Damani**

Guide

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Program Coordinator,

**External Examiner**



**Babu Madhav Institute of Information Technology,**

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**Bardoli – 394350**

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# **1.Introduction**

## **1.1 Problem Definition**

Nowadays finding the perfect match or the perfect life partner is not that easy. Many people are having an issue finding a life partner because of less connection with people and do not have enough time to visit marriage bureaus to overcome this issue matrimonial website helps people to find the match according to their age, religion, caste, and many more preferences online.

## **1.2 Initial Requirement Document**

<b>Title of the project</b>	Matrimonial Website
<b>Stakeholders involved in capturing requirement</b>	Admin, Member
<b>Techniques used for requirement capturing</b>	Interviewing, Brainstorming
<b>Name of the person along with designation</b>	Admin, Ms. Abha Damani(Assistant Professor)
<b>Date</b>	February 2022
<b>Users of the system</b>	Admin, Registered User
<b>Version</b>	1.0

<b>Consolidated list of initial requirements:</b>	
Req #1	User shall be able register in the application With OTP verification.
Req #2	User shall be able login in the application.
Req #3	User shall be able to perform 'Forgot Password'.
Req #4	User shall be able to manage their profile details.
Req #5	User shall be able to search for the perfect match.
Req #6	User shall be able to purchase and renew a membership.
Req #7	User shall be able to send request to the person they interested.
Req #8	User shall be able to give response of the pending request.
Req #9	User shall be able to view the details of the person who accepted the details.
Req #10	User shall be able to view particular person's profile.
Req #11	User shall be able to give feedback.
Req #12	User shall be able to see payment history.
Req #13	Admin shall be able to login.
Req #14	Admin shall be able to manage the users.
Req #15	Admin shall be able to view all the user's details.
Req #16	Admin shall be able to change password.
Req #17	Admin shall be able to see paid users.
Req #18	Admin shall be able to see feedbacks.
Req #19	Admin shall be able to logout.

## **1.3 Project Objective**

Online Matrimonial website helps user find the perfect match and save the time by not visiting the marriage bureau.

## **1.4 Project Scope**

### **Inbound Scope:**

- 1) User can Register, Login, Forgot Password, Manage Membership, Manage Interests and Manage Profile.

### **Outbound Scope:**

- 1) User shall be not able to chat with any person.

## **2.Overall Description**

### **2.1 Product Perspective/ Environment Description**

#### Software requirement

Type	Web-Application
Front-End	HTML, CSS, Bootstrap, JavaScript
Back-End	MySQL Server, ASP.NET (C# .Net framework)

#### Hardware Limitations

Hardware Required	Mobile, Laptop, Tablet With Internet Service
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#### Development Side

Processor	Intel Core i5 7 <sup>th</sup> gen Processor
RAM	4GB
OS	Windows 10
HARD-DISK	120gb SSD
IDE	Visual Studio

#### Client Side requirement

Processor	Intel Core i5 Processor
RAM	4GB minimum
OS	Windows 7 to 10



HARD-DISK	120gb SSD or 500gb HDD
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## 3. System Planning

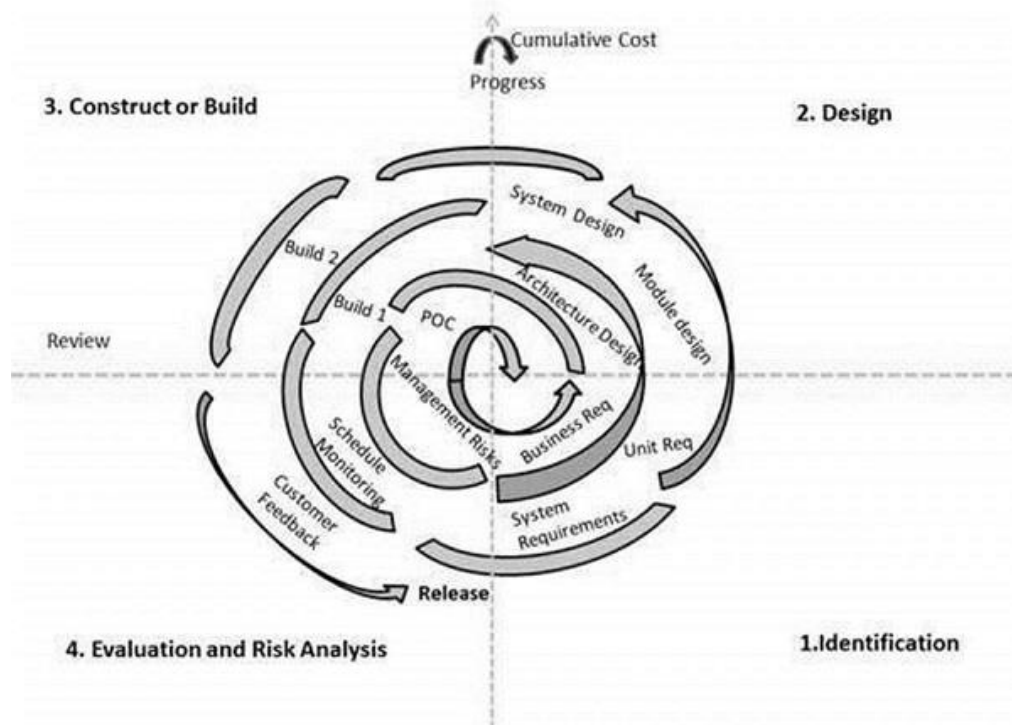
### 3.1 Software Engineering Model

**Definition:** The spiral model is similar to the incremental development for a system, with more emphasis placed on risk analysis. The spiral model has four phases: Planning, Design, Construct and Evaluation. A software project repeatedly passes through these phases in iterations (called Spirals in this model).

#### Spiral Model - Design

The spiral model has four phases. A software project repeatedly passes through these phases in iterations called Spirals.

- Identification
- Design
- Construct or Build
- Evaluation and Risk Analysis



## **4. System Specific Requirements**

### **4.1 Functional Requirement**

#### **4.1.1 Registration**

RN	Description	Comment
FN1	User can Register using registration page with OTP verification.	User_Details_Form
FN2	If user already have an account then they can login directly.	Login_Form

**Table 1**

#### **4.1.2 Manage Login**

RN	Description	Comment
FN1	The Login Screen allows user to login into the system and get access of all the features.	Login_Form
FN2	User shall be able to recover the password using forget password.	Login_Form

**Table 2**

#### **4.1.3 Manage profile Details**

RN	Description	Comment
FN1	After successful Login user shall be able to manage the profile.	Profile Page
FN3	Admin shall be able to view the details of any user.	

**Table 3**

#### **4.1.4 Manage Membership**

RN	Description	Comment
FN1	User shall be able to purchase or renew the membership.	Membership_Form
FN2	Admin shall be able to view the details of who have membership account.	Dashboard

**Table 4**

#### **4.1.5 Manage Search**

RN	Description	Comment
FN1	User shall be able to search the profile based on their preferences.	Search_Form

**Table 5**

#### **4.1.6 Manage Interest**

RN	Description	Comment
FN1	User shall be able to send the Interest.	profile
FN2	User shall be able to accept/decline the request.	profile

**Table 6**

#### **4.1.7 Manage Feedback**

RN	Description	Comment
FN1	User shall be able to send the feedback	Feedback_form
FN2	Admin shall be able to view feedbacks.	profile

**Table 7**

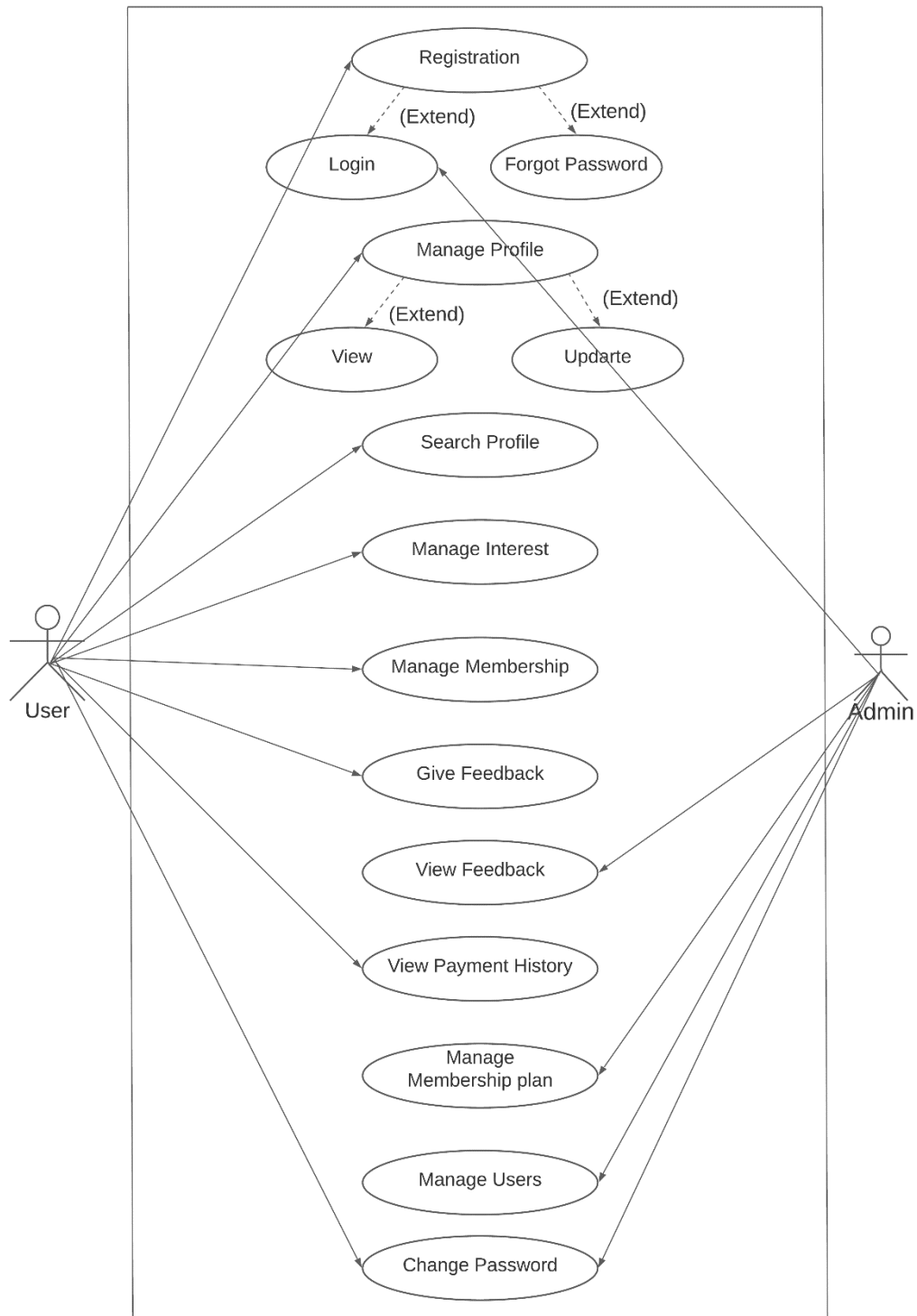
#### **4.1.7 Manage Password**

RN	Description	Comment
FN1	User shall be change the password.	change_pwd

**Table 8**

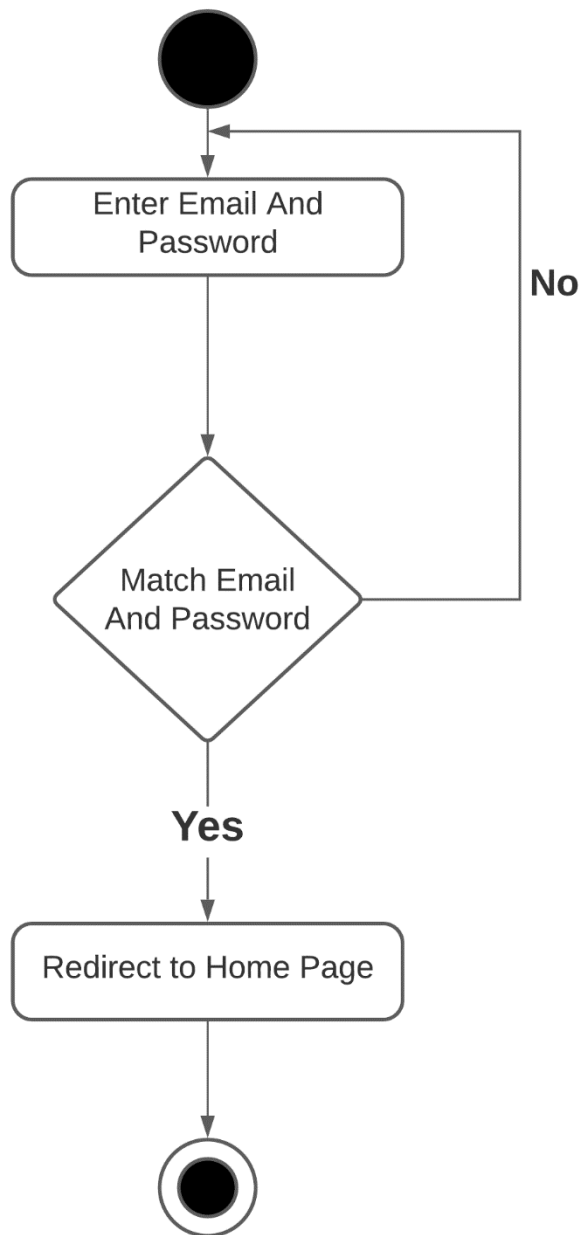
## **5. System Analysis**

### **Use Case Diagram**



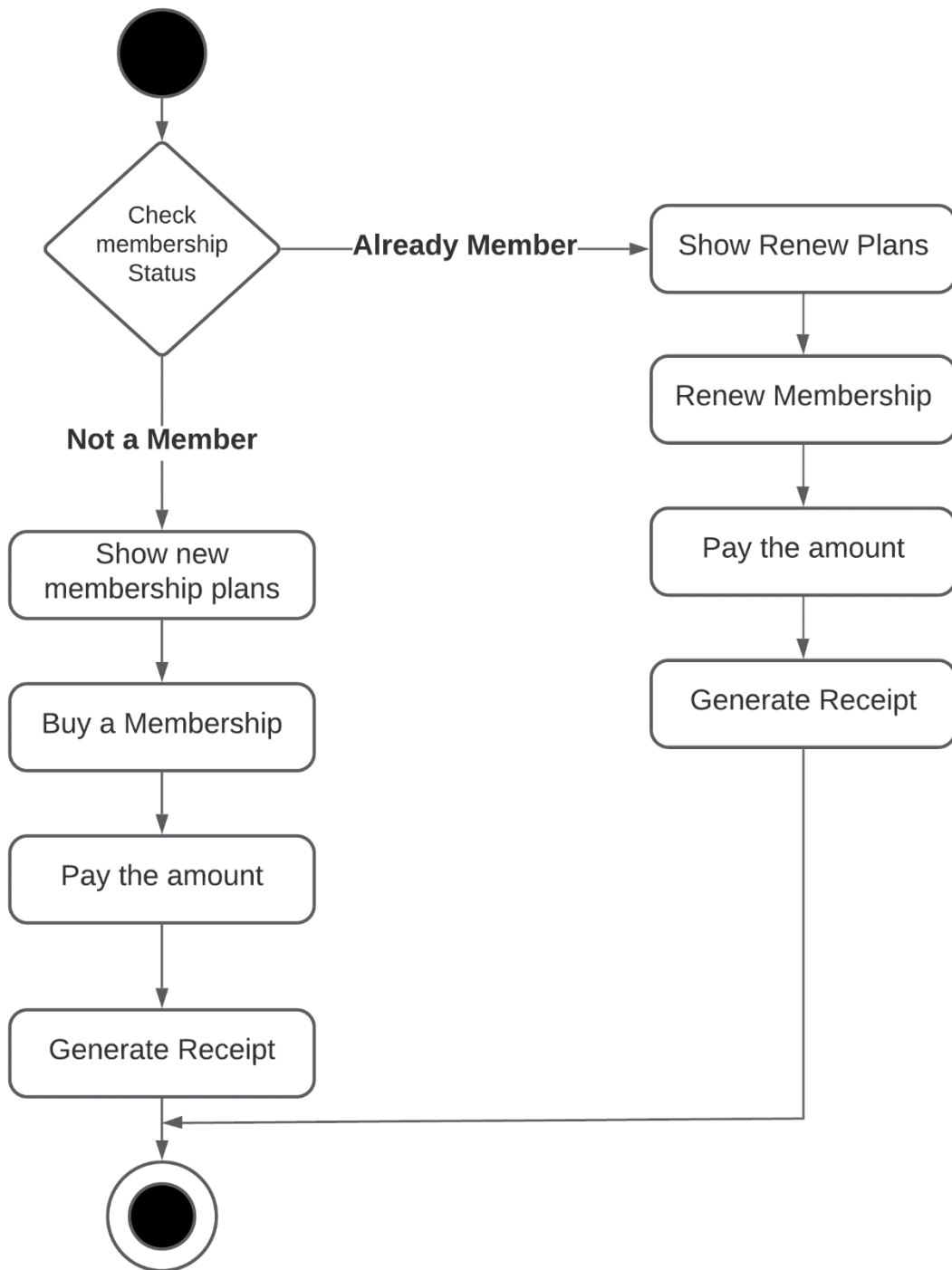
**Diagram 1**

## Manage Login



**Diagram 2**

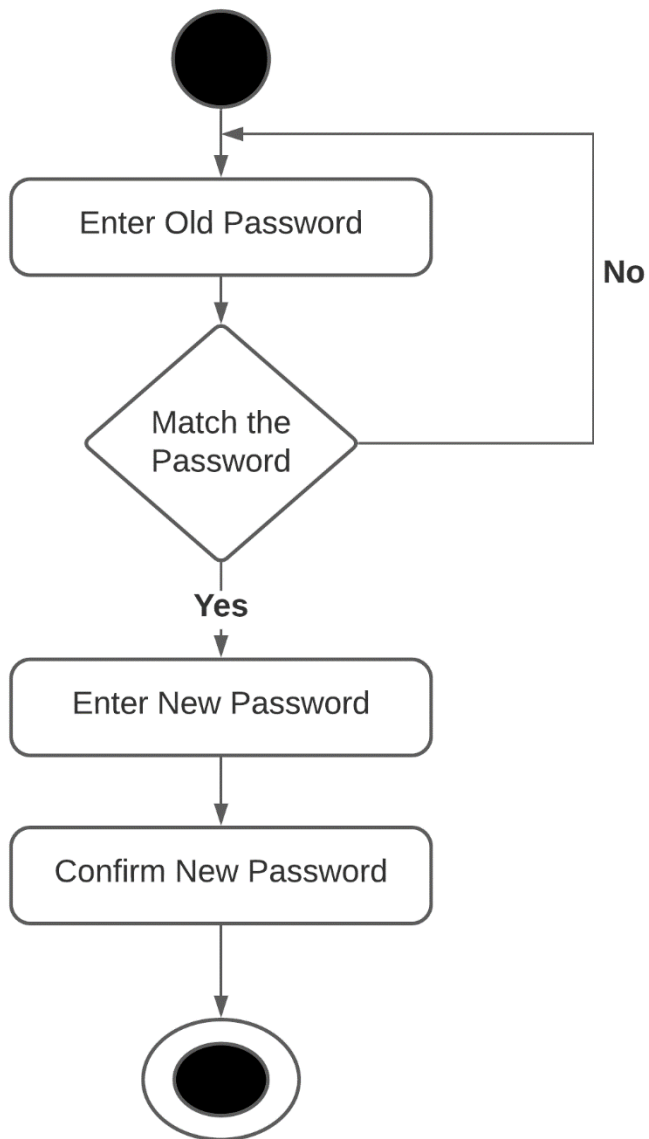
## Manage Membership



**Diagram 3**

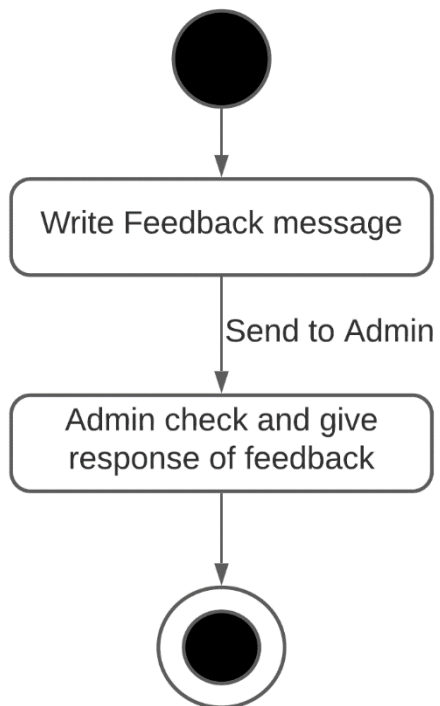


## Change Password



**Diagram 4**

## Manage Feedback



**Diagram 5**

## **6. System Design**

### **6.1 Database Schema**

#### **tbl\_register**

id [PK], first\_name, last\_name, gender, date\_of\_birth, email, password, height, weight, marital\_status, mother\_tongue, smoking\_habit, drinking\_habit, any\_other\_habit, skin\_color, face\_shape, hair\_color, eye\_color, blood\_group, body\_type, family\_type, father\_name, father\_occupation, mother\_name, mother\_occupation, family\_income, no\_of\_brother, no\_of\_sister, native\_place, religion, community, mobilenumber, state, city, address, pincode, birth\_place, highest\_qualification, profession, company\_type, designation, salary, image\_path, pref\_age, pref\_height, pref\_weight, pref\_city, pref\_qualification, pref\_income, pref\_family\_type, pref\_state, pref\_gender

FD: {id[PK]} -> {first\_name, last\_name, gender, date\_of\_birth, email, password, height, weight, marital\_status, mother\_tongue, smoking\_habit, drinking\_habit, any\_other\_habit, skin\_color, face\_shape, hair\_color, eye\_color, blood\_group, body\_type, family\_type, father\_name, father\_occupation, mother\_name, mother\_occupation, family\_income, no\_of\_brother, no\_of\_sister, native\_place, religion, community, mobilenumber, state, city, address, pincode, birth\_place, highest\_qualification, profession, company\_type, designation, salary, image\_path, pref\_age, pref\_height, pref\_weight, pref\_city, pref\_qualification, pref\_income, pref\_family\_type, pref\_state, pref\_gender }

#### **tbl\_interest**

interest\_id[pk], sender\_id[fk], receiver\_id, status

FD: {interest\_id[PK]} -> { sender\_id[fk], receiver\_id, status }

## **tbl\_membership**

membership\_id[PK], id[FK], plan\_name, plan\_duration, plan\_charges,  
purchased\_date

FD: { membership\_plan\_id[PK] } -> { plan\_name, plan\_duration,  
plan\_charges, id, purchased\_date }

## **tbl\_feedback**

feedback\_id[PK], fb\_first\_name, fb\_last\_name, fb\_subject, fb\_description, id[FK]

FD: { feedback\_id[PK] } -> { fb\_first\_name, fb\_last\_name, fb\_subject,  
fb\_description, id[FK] }

## **tbl\_admin**

admin\_id [PK], Email, password

FD: { admin\_id[PK] } -> { email, password }

## 6.2 Data Dictionary

### tbl\_register

Field	Type	Size	Constraint	Description
Id	Int	-	Primary Key Auto Increment	Unique key if
first_name	Varchar	30	Not null	First name of the user
last_name	Varchar	30	Not null	Last name of the user
Gender	Varchar	6	Not null	Gender of the user
date_of_birth	Date	-	Not null	Date of birth of the user
Email	Varchar	50	Not null	Email of the user
Password	Varchar	8	Not null	Password of the user
Height	Varchar	50	Not null	Height of the user
Weight	Varchar	50	Not null	Weight of the user
marital_status	varchar	50	Not null	Current marital status of the user.
mother_tongue	Varchar	50	Not null	Mother tongue of the user
smoking_habit	Varchar	50	Not null	Smoking habit of the user.
drinking_habit	Varchar	50	Not null	Drinking habit of the user
other_habit	Varchar	50	Not null	Other habit if user have.
skin_color	Varchar	50	Not null	Skin color of the user
face_shape	Varchar	50	Not null	Face shape of the user

hair_color	Varchar	50	Not null	Hair color of the user
eye_color	Varchar	50	Not null	Eye color of the user
blood_group	Varchar	50	Not null	Blood group of the user
blood_type	Varchar	50	Not null	Blood type of the user
family_type	Varchar	50	Not null	Type of the family
father_name	Varchar	50	Not null	User's father name
mother_name	varchar	50	Not null	User's mother name
Father_occupation	Varchar	50	Not null	User's father occupation
mother_occupation	Varchar	50	Not null	User's mother occupation
family_income	Varchar	50	Not null	Income of user's family
no_of_brothers	Int	-		Number of user's brothers
no_of_sisters	Int	-		Number of user's sisters
Native_place	varchar		Not null	Destination where user's family native place
Religion	Varchar	30	Not null	Religion of the user
community	Varchar	30	Not null	Community of the user
Mobileno	Bigint	-	Not null	Mobileno of the user
City	Varchar	50	Not null	City of the user
Address	Varchar	300	Not null	Address of the user
Pincode	Int	-	Not null	Pincode of the user
birth_place	Varchar	150	Not null	Birth place of the user
highest_qlf	Varchar	50	Not null	Highest qualification of the user

Profession	varchar	50	Not null	By profession what type of work user is doing.
company_type	Varchar	50		If the user is doing job then select the type of the company.
designation	Varchar	50	Not null	Designation of the person in the company.
Salary	Varchar	50		Annual salary of the user.
image_path	Varchar	500	Not null	Path of the image

pref_age	Int		Not null	Age of the person they are searching for
pref_height	Varchar	50	Not null	Height of the person they are searching for
pref_weight	Varchar	50	Not null	Weight of the person they are searching for
pref_city	varchar	50	Not null	city of the person they are searching for
pref_qualification	Varchar	50	Not null	Qualification of the person they are searching for
pref_income	Varchar	50	Not null	Income of the person they are searching for
pref_family_type	Varchar	50	Not null	Family type they are searching for
pref_state	Varchar	50	Not null	State of the preference person

pref_gender	Varchar	6	Not null	Gender of the preference
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**Table 1**

### **tbl\_membership\_plan**

<b>Field</b>	<b>Type</b>	<b>Size</b>	<b>Constraint</b>	<b>Description</b>
Membership_id	Int	-	Primary key	Unique membership plan id
id	Int	-	Foreign Key	Referenced of tbl_register(id)
plan_name	Varchar	50	Not null	Name of the plan
plan_duration	Varchar	50	Not null	Duration of plan
plan_charges	varchar	50	Not null	Charges of the plans
Purchased_date	Datetime	-	Not null	Purchased date the plans

**Table 2**

### **tbl\_feedback**

<b>Field</b>	<b>Type</b>	<b>Size</b>	<b>Constraint</b>	<b>Description</b>
feedback_id	Int	-	Primary Key  Auto Increment	Unique feedback id.
fb_first_name	Varchar	50	Nut null	User of the first name
fb_last_name	Varchar	50	Not null	User of the last name
fb_subject	Varchar	50	Not null	Feedback subject



fb_description	Varchar	50	Not null	Feedback description
id	Int	-	Foreign Key	Referenced of tbl_register(id)

**Table 3**

### **tbl\_admin**

Field	Type	Size	Constraint	Description
id	Int	-	Primary Key Auto Increment	Unique user image Id
email	Varchar	50	Not nul	Admin of the email id
password	Varchar	8	Not null	Admin of the password

**Table 4**

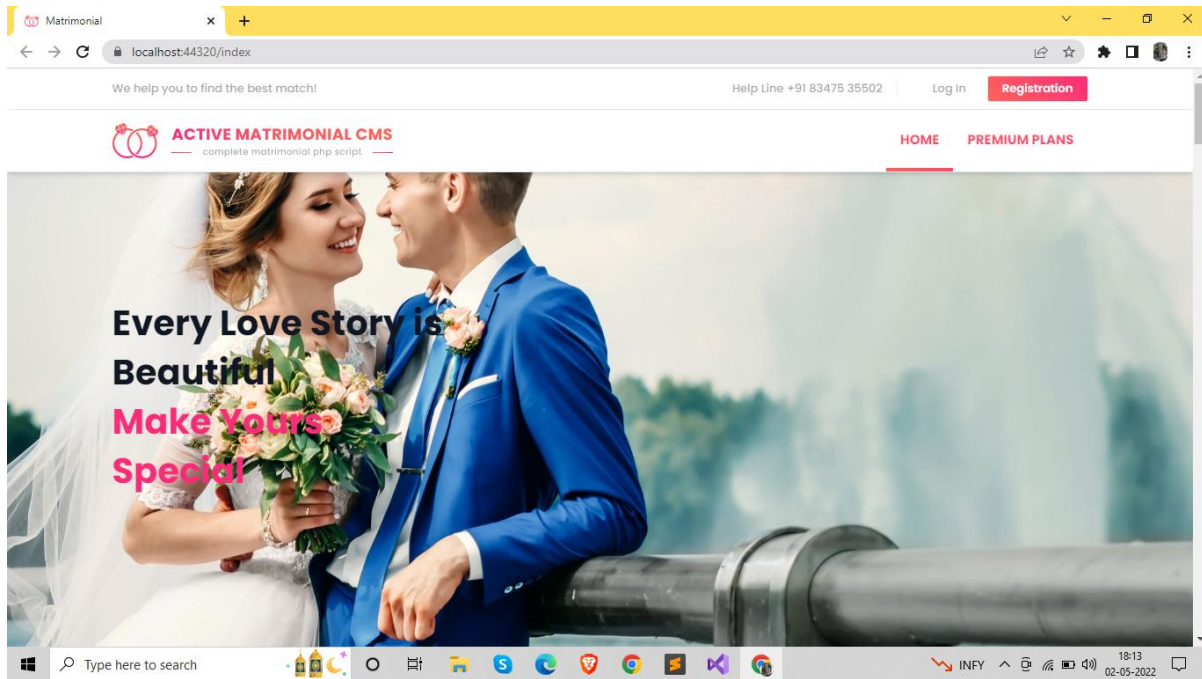
### **tbl\_interest**

Field	Type	Size	Constraint	Description
interest_id	Int	-	Primary Key Auto Increment	Unique user interest Id
sender_id	Int	-	Foreign Key	User send the interest
reciver_id	Int	-	Not null	User receive the interest
status	int	-		

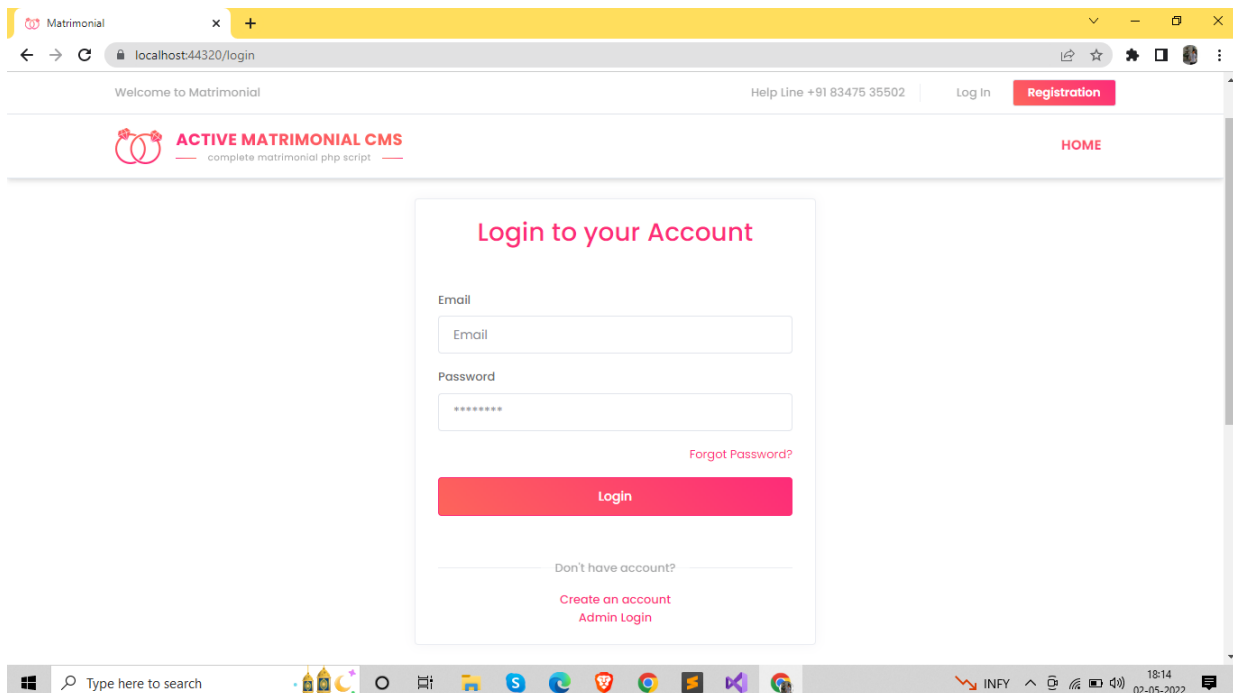
**Table 5**

# 7. System Implementation

## 7.1 Screenshots



## Index



## Login

Matrimonial

localhost:44320/register

Find the perfect match for you!

Help Line +91 83475 35502 Log In Registration

ACTIVE MATRIMONIAL CMS  
complete matrimonial php script

HOME

### Create Your Account

Fill out the form to get started.

First Name Last Name

Gender Date of Birth

Male dd-mm-yyyy

Email

Password

\*\*\*\*\*

Create Account

Type here to search

18:14 02-05-2022

## Registration

Matrimonial

localhost:44320/forgotpwd

Welcome to Matrimonial

Help Line +91 83475 35502 Log In Registration

ACTIVE MATRIMONIAL CMS  
complete matrimonial php script

HOME

### Forgot Password?

Enter your email address to recover your password.

Email

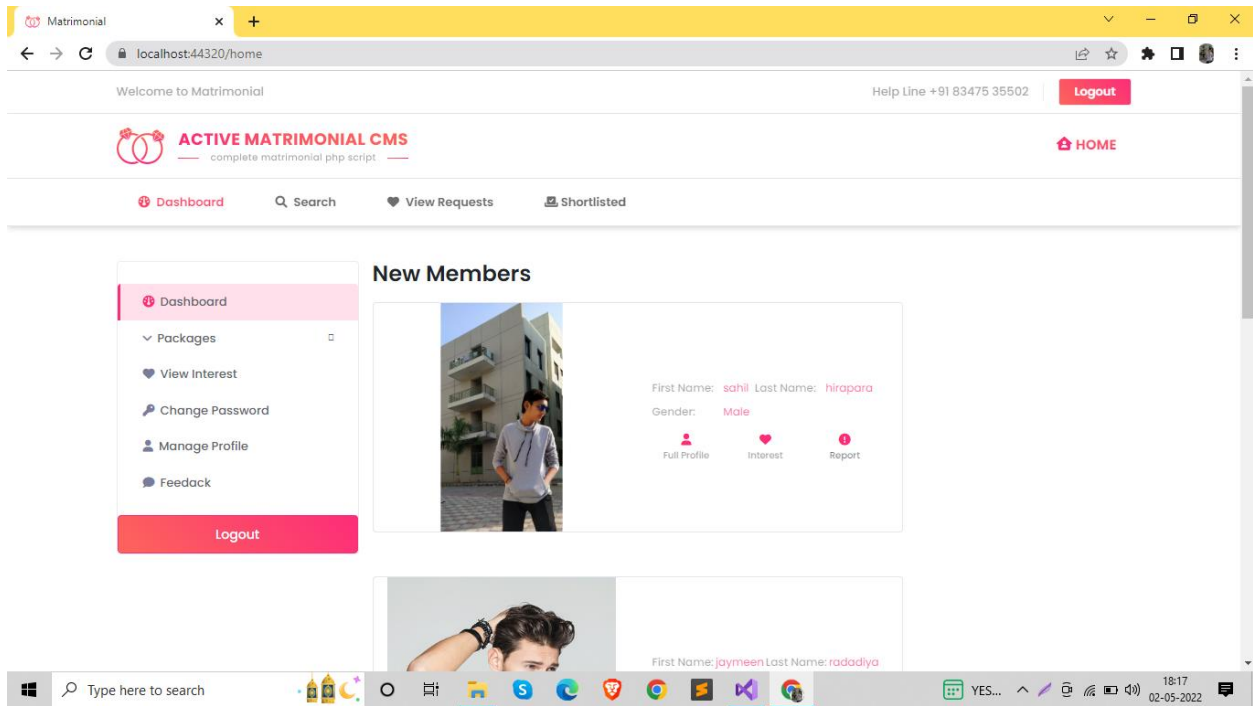
Get Password

Back to Login

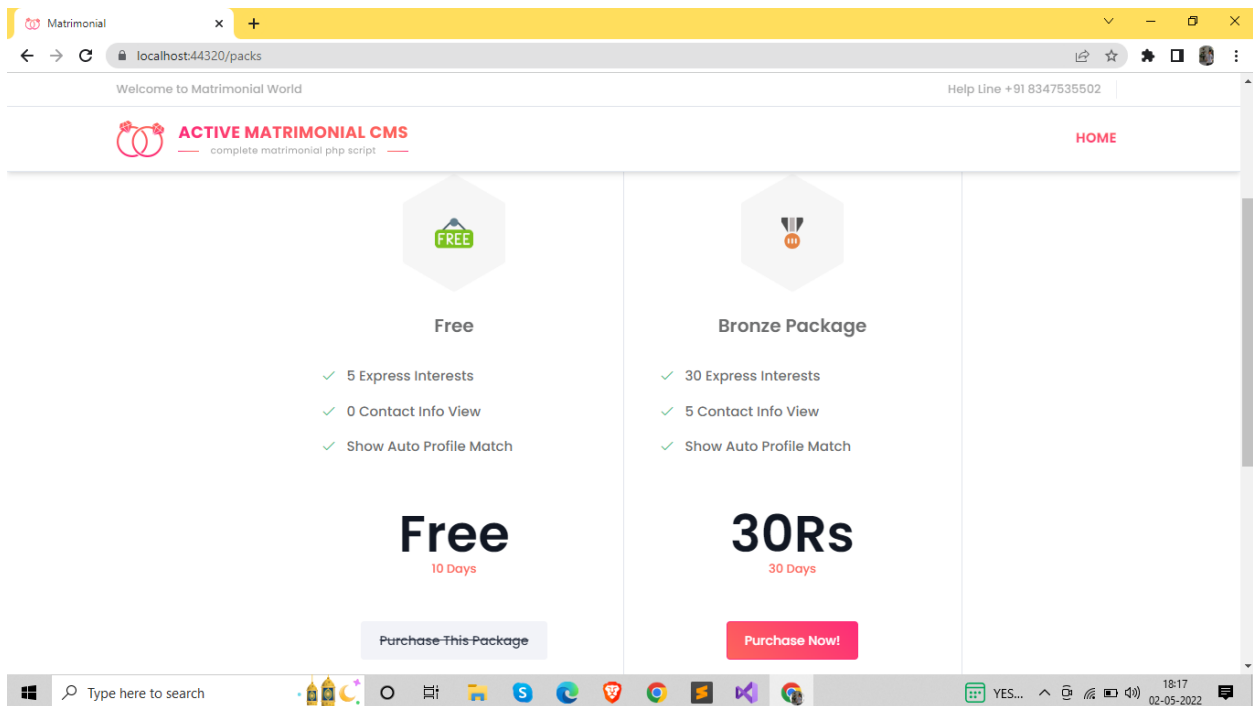
Type here to search

18:15 02-05-2022

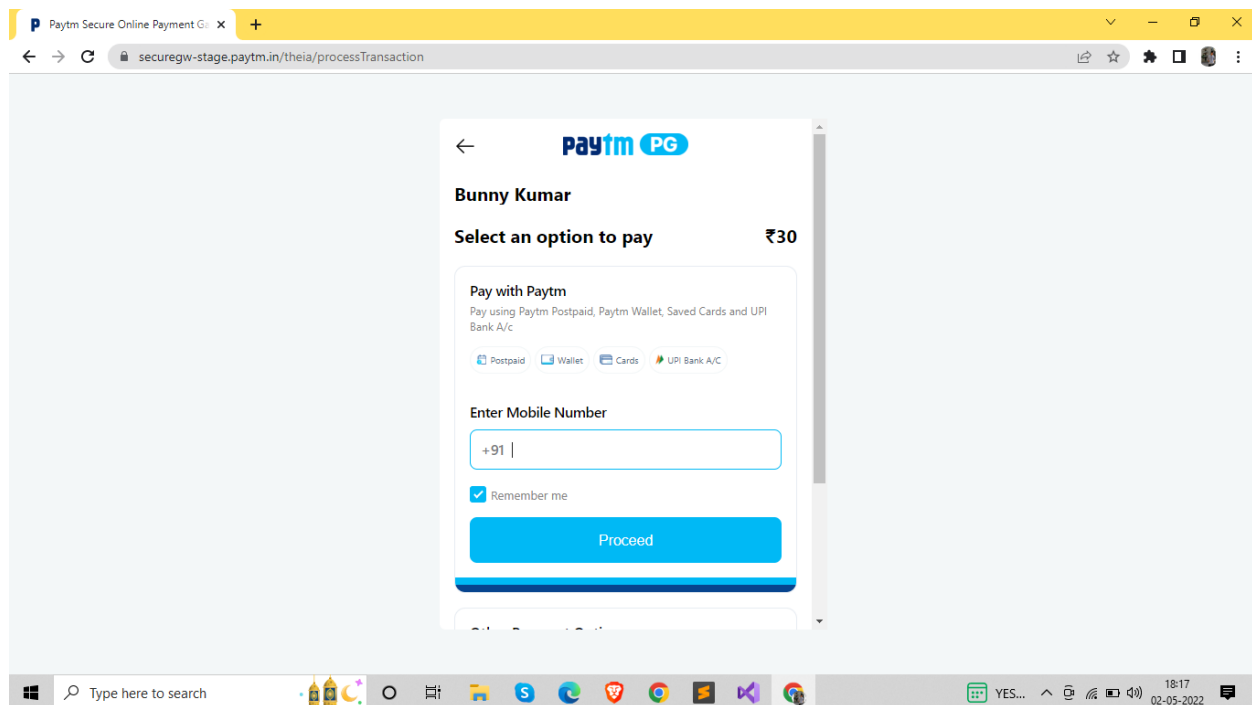
## Forgot Password



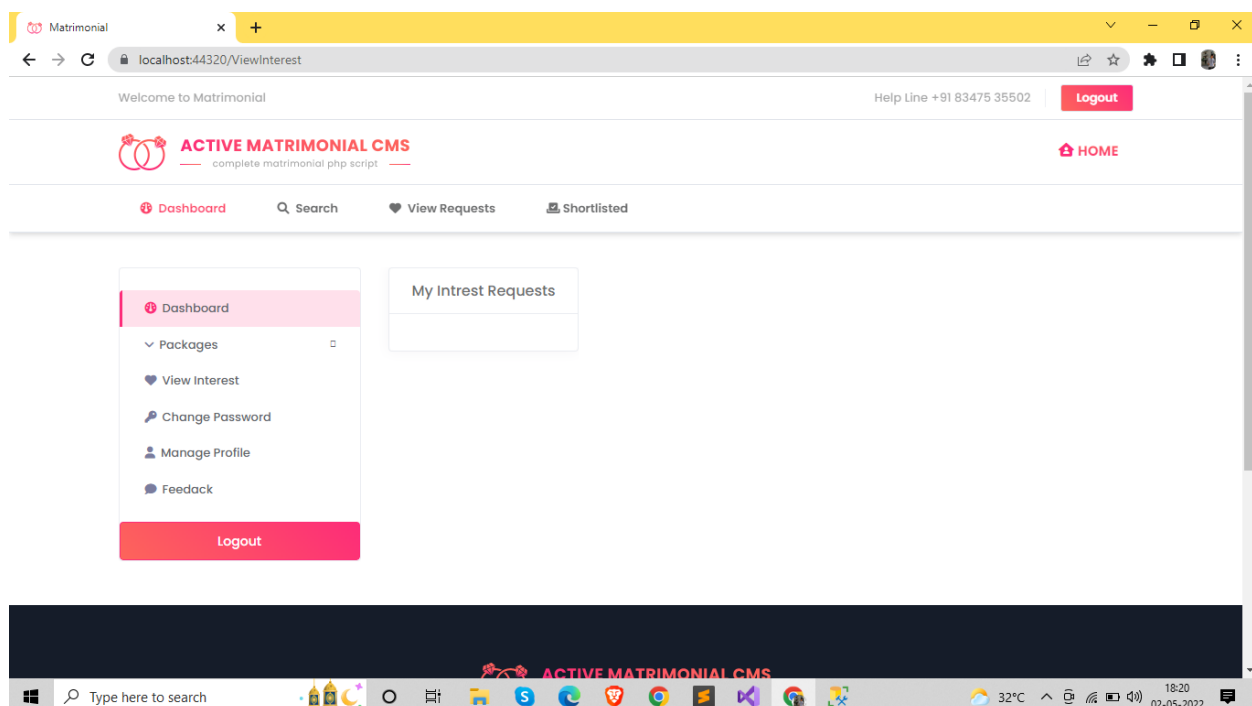
## User Home



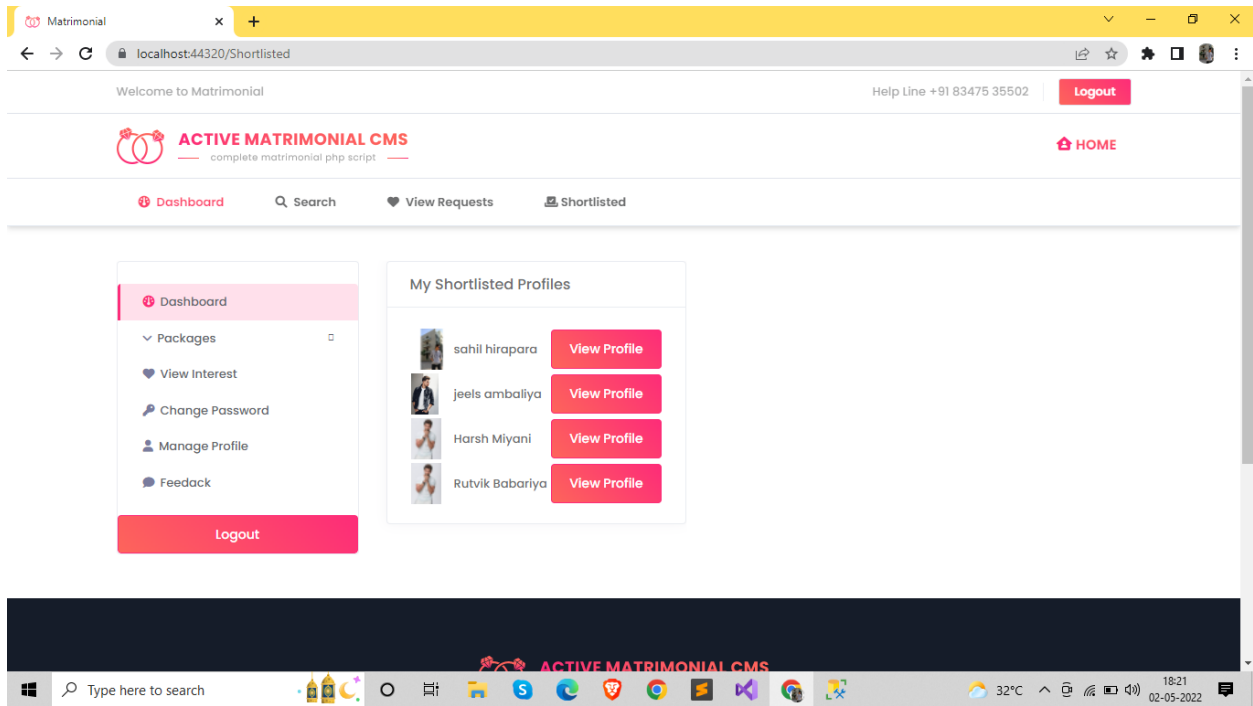
## Packages



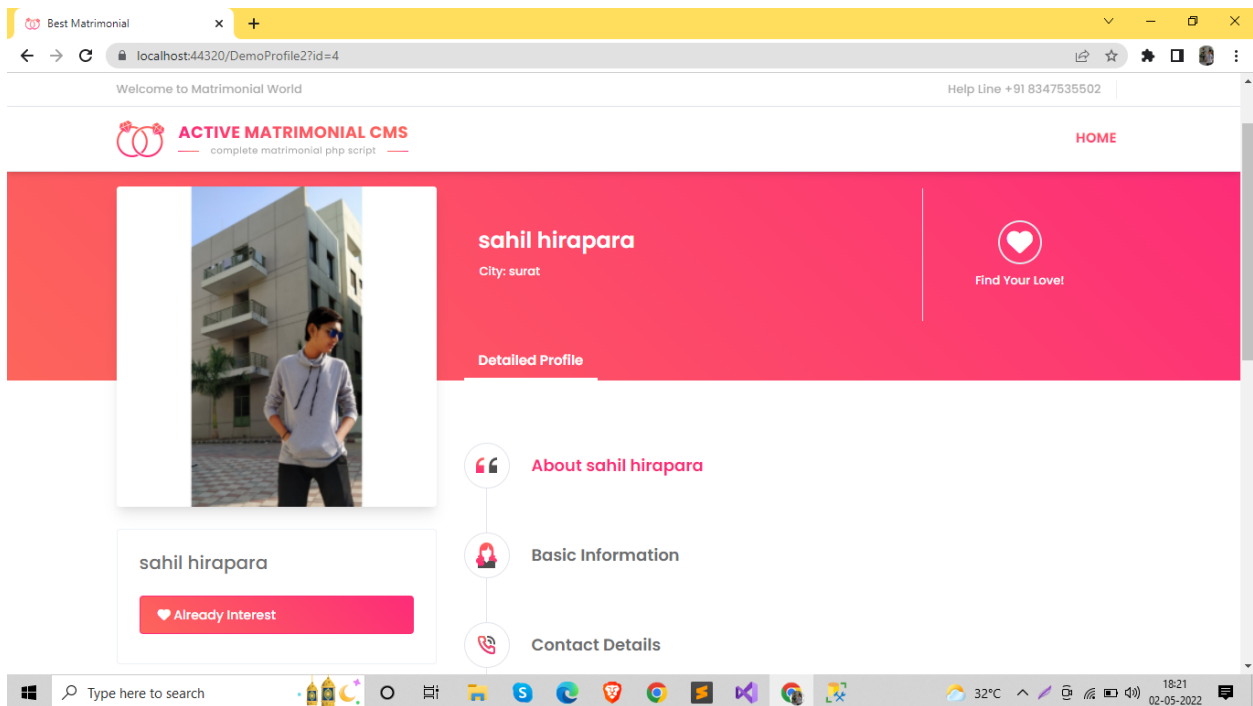
## Payment



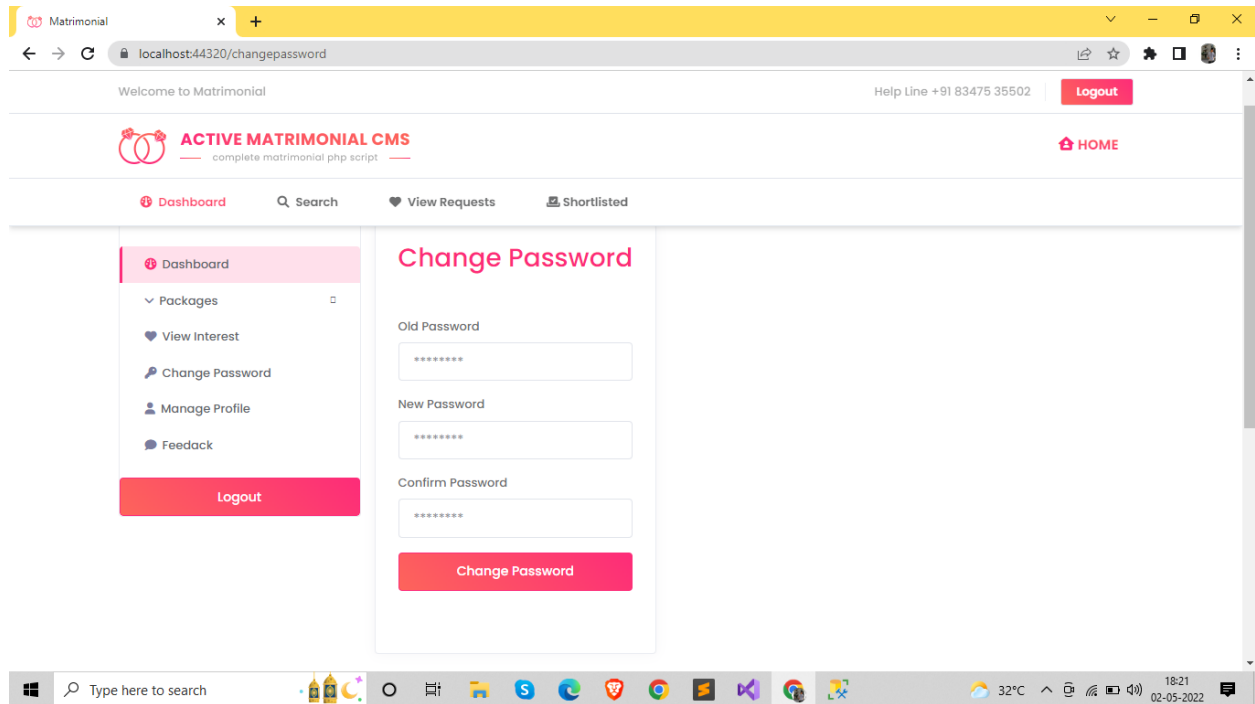
## View Interest



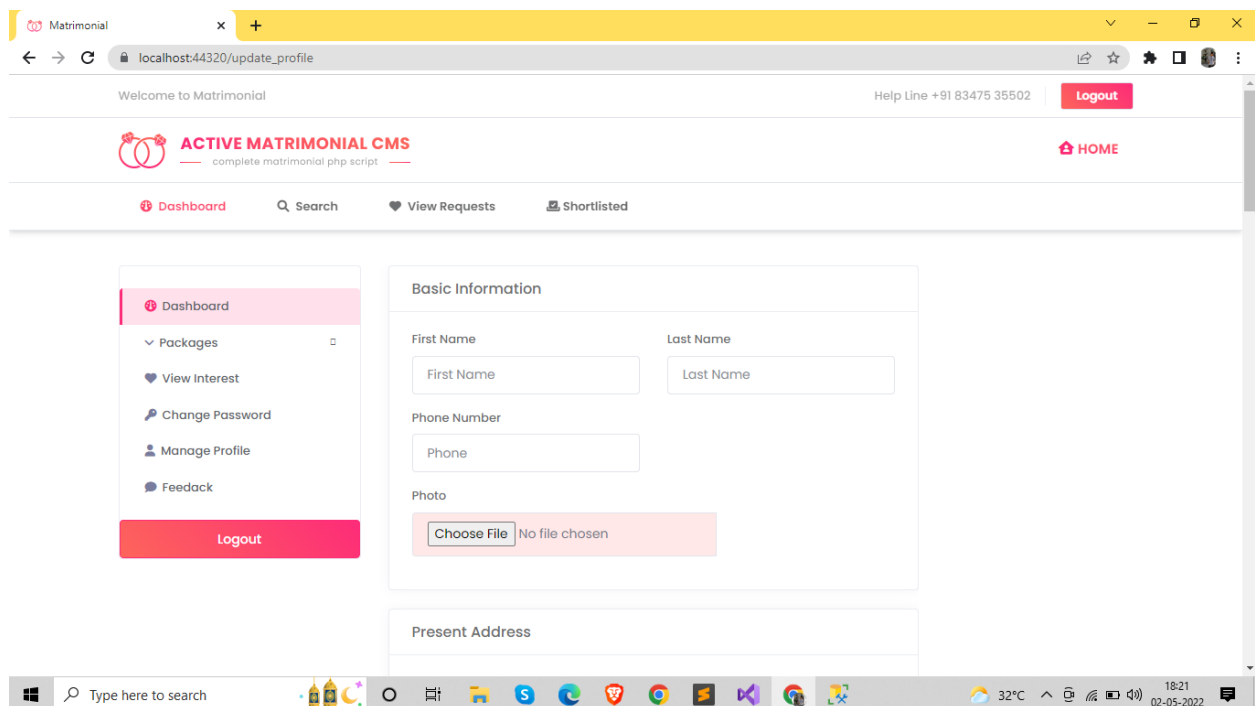
## Accepted Requests



## User Profile



## Change Password




## Update Profile

Matrimonial x +

localhost:44320/feedback

Welcome to Matrimonial World Help Line +91 8347535502

 **ACTIVE MATRIMONIAL CMS**  
complete matrimonial php script

HOME

Feedback

First name\*

Last name\*

Subject\*

Description\*

[Submit Feedback](#)

Type here to search

32°C 18:22 02-05-2022

## Feedback

https://localhost44320/Admin2/ x +

localhost:44320/Admin2/AdminLogin

Welcome Admin!

Enter your Email & Password to login

Email

Password

[Login](#)

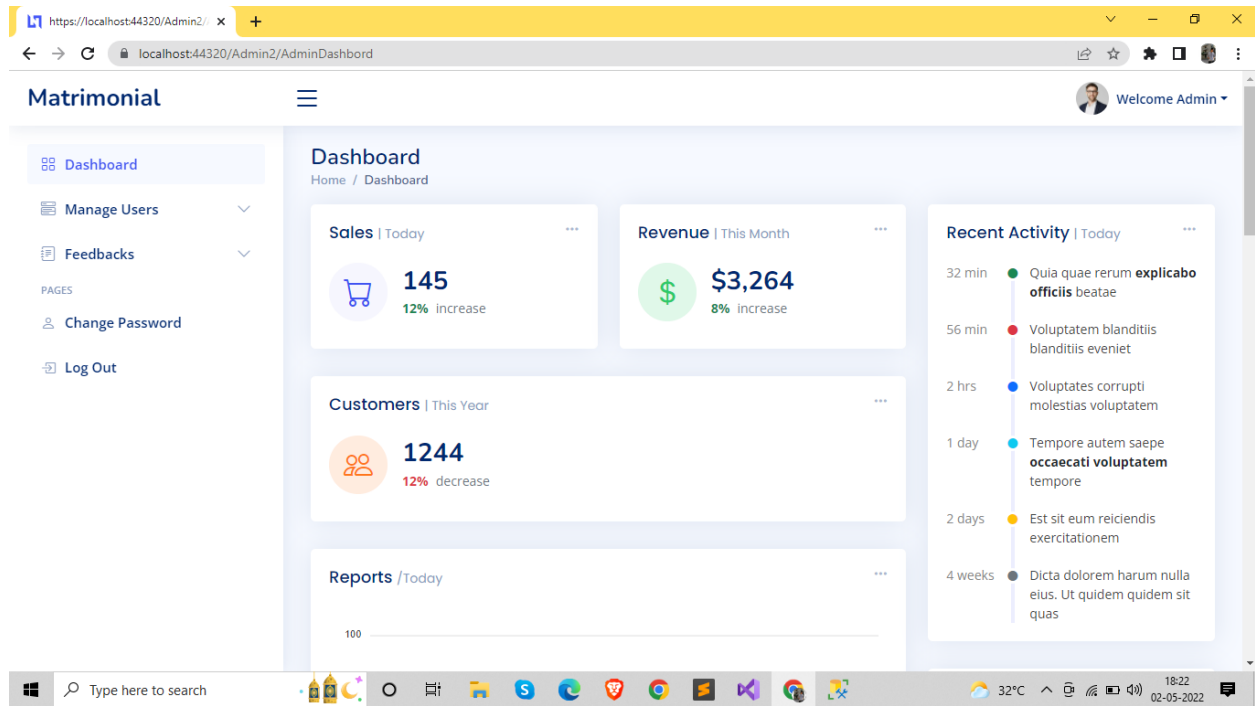
[Forgot Password? Click To Recover](#)

Type here to search

32°C 18:22 02-05-2022

## Admin Login





## Admin Home

**Matrimonial**

10 entries per page

Search...

First Name	Last Name	Gender	Email	Options
sahil	hirapara	Male	19bmiit067@gmail.com	Delete
jaymeen	radadiya	Male	jaymeenradadiya@gmail.com	Delete
jeels	ambaliya	Male	jeelsambaliya@gmail.com	Delete
Liza	Mavani	Female	19bmiit045@gmail.com	Delete
Sujit	Samantha	Female	19bmiit073@gmail.com	Delete
Abha	Damani	Female	abha.damani@utu.ac.in	Delete
Sahil	Pipaliya	Male	19bmiit060@gmail.com	Delete
Harsh	Miyani	Male	harshmiyani123@gmail.com	Delete
Jensi	Lathiya	Female	jensilathiya@gmail.com	Delete
Priya	Patel	Female	priyapatel@gmail.com	Delete
Maya	Singh	Female	mayasingh@gmail.com	Delete
Rushit	Sutariya	Male	jaymeenradadiya4076@gmail.com	Delete

## View Users

https://localhost:44320/Admin2/ x +

localhost:44320/Admin2/ViewPremiumUsers

**Matrimonial** Welcome Admin

10 entries per page Search...

First Name	Last Name	Email	Plan Name	Plan Price
Sujit	Samantha	19bmiit073@gmail.com	Bronze	30RS
Sahil	Pipaliya	19bmiit060@gmail.com	Bronze	30RS
sahil	hirapara	19bmiit067@gmail.com	Bronze	30RS
Jensi	Lathiya	jensilathiya@gmail.com	Bronze	30RS
Rushit	Sutariya	jaymeenradadiya4076@gmail.com	Bronze	30RS
jaymeen	radadiya	jaymeenradadiya@gmail.com	Bronze	30RS

Showing 1 to 1 of 1 entries

Type here to search 32°C 18:23 02-05-2022

## Premium Users

https://localhost:44320/Admin2/ x +

localhost:44320/Admin2/ViewFeedback

**Matrimonial** Welcome Admin

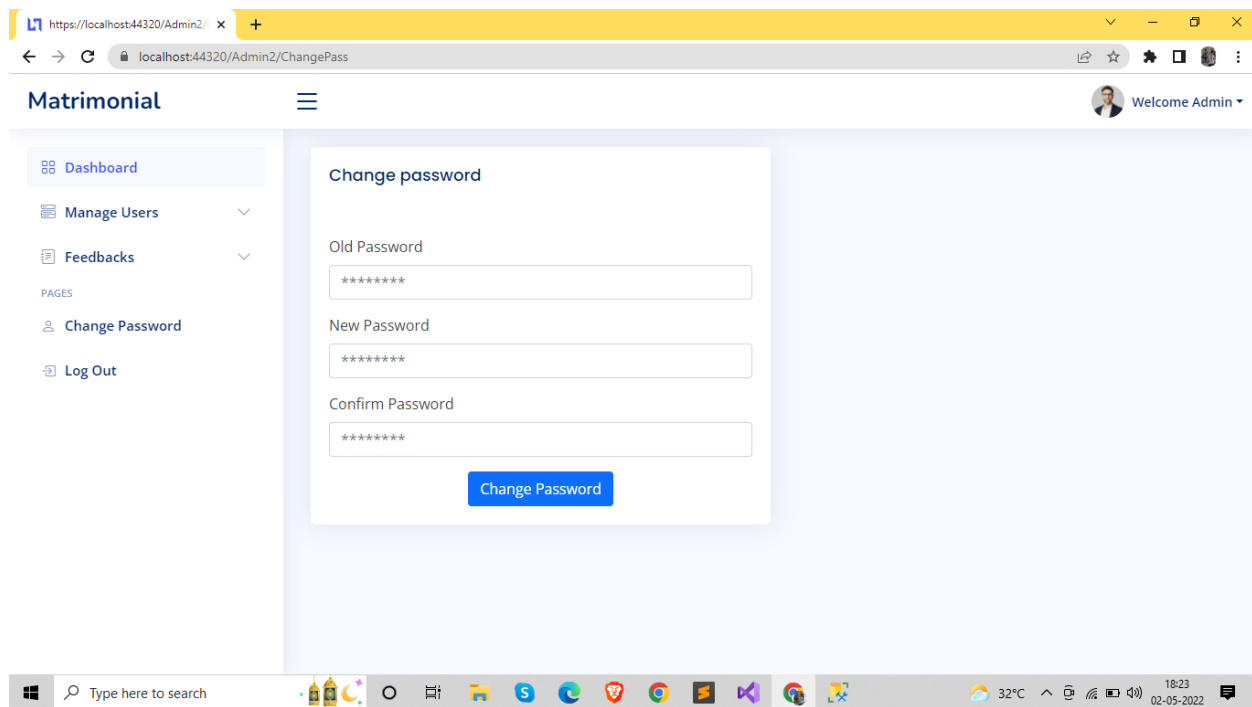
10 entries per page Search...

First Name	Last Name	Email	Subject	Description
Sujit	Samantha	19bmiit073@gmail.com	Question	how can I renew membership

Showing 1 to 1 of 1 entries

Type here to search 32°C 18:23 02-05-2022

## Feedback view



## Change Password

## **8. Testing**

### **8.1 Test Cases**

#### **1. Login Test Case**

<b>Test case Id</b>	<b>Description</b>	<b>Input</b>	<b>Action</b>
TC1	Login Test	Wrong Details	Incorrect Email or Password from local host
TC1	Login Test	Right Details(Email and password)	Redirect to home page
TC1	Login Test	Email is not registered	Email does not exist.

#### **2. Registration**

<b>Test case Id</b>	<b>Description</b>	<b>Input</b>	<b>Action</b>
TC2	Registration details	Wrong format	Show an error
TC2	Registration details	Empty place	Highlight the box.
TC2	Registration details	Email Already Registered	Show an error email is already registered try another email.

TC2	Registration details	Right Details	Send OTP to entered email.
TC2	Registration details	Wrong OTP	Show an error Wrong OTP.
TC2	Registration details	Right OTP	Redirect to Login Page.

### 3. Update details

Test case Id	Description	Input	Action
TC3	User details	Wrong Format	Show an error message.
TC3	User details	Right Details	Show an successfully updated message.

### 4. Update Password

Test case Id	Description	Input	Action
TC4	Password Update	Wrong old password	Show an error message.
TC4	Password Update	Add new password and repeat password if both match	Show an successfully updated message .

## 5. Home Page

Test case Id	Description	Input	Action
TC5	User Home	If User try to access without login.	Redirect to login page.
TC5	User Home	If User is premium.	Show unlimited profiles
TC5	User Home	If User is not premium.	Show unlimited 10 profiles.

## 6. Purchase Membership

Test case Id	Description	Input	Action
TC6	Membership	If User try to access without login.	Redirect to login page.
TC6	Membership	If User is already premium user.	Show acknowledgement message.
TC6	Membership	If User is not premium.	Show plans.
TC6	Membership	If user pay the amount	Update user type from simple user to premium user and show plans accordingly.

## 7. View Profile

Test case Id	Description	Input	Action
TC7	Profile	If User try to access without login.	Redirect to login page.
TC7	Profile	User can send Interest from profile.	Show message Interest sent successfully.
TC7	Profile	If user has already sent the interest	Show message that already interested.

## 8. Send Request

Test case Id	Description	Input	Action
TC8	Send Request	If User try to access without login.	Redirect to login page.
TC8	Send Request	User can send Interest from home page and from profile.	Show message Interest sent successfully.
TC8	Send Request	If user has already sent the interest	Show message that already interested.

## 9. Manage Request

Test case Id	Description	Input	Action
TC9	Manage Request	If User try to access without login.	Redirect to login page.
TC9	Manage Request	User can accept view the profile and accept the request.	Show message and send accepted request to shortlisted.
TC9	Manage Request	User can decline the request.	Show message that request declined.

## 10. Feedback

Test case Id	Description	Input	Action
TC10	Send Feedback	If User try to access without login.	Redirect to login page.
TC10	Send Feedback	If user enter wrong format	Show error message.
TC10	Send Feedback	If all the details match enters criteria.	Show feedback sent successfully message.



## 11. Admin Login

Test case Id	Description	Input	Action
TC11	Login Test	Wrong Details	Incorrect Email or Password from local host
TC11	Login Test	Right Details(Email and password)	Redirect to home page

## 12. Manage Users

Test case Id	Description	Input	Action
TC12	Manage Users	If admin is not logged in.	Show error message and redirect to login page.
TC12	Manage Users	Admin can view and delete simple users	Show message user deleted successfully.
TC12	Manage Users	Admin can view details of all the premium users and paid amount.	

### 13. View Feedbacks

Test case Id	Description	Input	Action
TC13	Manage Feedback	If admin is not logged in.	Show error message and redirect to login page.
TC13	Manage Feedback	Admin can view feedbacks filled by users.	Admin can take action accordingly.

### 14. Change Password

Test case Id	Description	Input	Action
TC14	Password Update	Wrong old password	Show an error message.
TC14	Password Update	Add new password and repeat password if both match	Show an successfully updated message .

## **9.Future Enhancements**

Matrimonial cover a very large scale of requirements therefore we cannot perform everything on localhost, here we've listed all the requirements that we can add into the web application in the future.

1. User can chat with the interested person when opposite person accept messaging request.
2. User can update their plan in-between (e.g. currently user have silver pack then user can update their pack from silver to gold even if expiry date is far.)
3. User can report any profile if they find anything wrong.
4. User can use search filter to find match.
5. User should have to submit government proof to verify the profile.
6. User will get the email notification on daily basis.
7. Admin can generate reports.
8. Admin can take action based on reports.
9. Admin can update packages.
10. Admin can verify and approve users profile based on submitted proof.

And many more!

## **10. Conclusion**

A matrimonial website is a platform to find a life partner for themselves from all over India. Here, as a project for the last semester of Integrated M.Sc.(IT), I and my partner build a matrimonial web application using ASP.NET C# and a full documentation which contains all the information about the application from requirements to testing. In matrimonial website user can find partner using functionality like searching, sending request and membership. moreover, admin can perform various actions like manage the users, feedbacks and many more!

## 11. Bibliography

To build effective documentation for matrimonial web application we've take help from various sites. Below We listed all the sites from where we take the help.

1. <https://www.lucidchart.com/pages/> ( To Build all the diagrams.)
2. <https://www.grammarly.com/> (For error free writing )
3. <http://google.com/>
4. <https://guides.lib.berkeley.edu/how-to-write-good-documentation>
5. <https://www.innopm.com/en/blog/2019/07/26/how-to-make-a-project-documentation-with-a-sample/>