Project ID
23

A
Project Report On

ONLINE BLOG SITE

Submitted In The Partial Fulfillment Of The Requirement For Awarding The Degree

Of Bachelor Of Computer Application (B.C.A.)

SEM VI, Year 2023-24

By
Tanvisha Lunagariya
Hinal Kasvala

Under the Guidance of
Prof.Anant Joshi

DEPARTMENT OF COMPUTER SCIENCE
LATE P.S. HIRAPARA MAHILA BCA COLLEGE JETPUR
Affiliated to
SAURASHTRA UNIVERSITY - RAJKOT

Preface

This Report Contains All The Outputs Of A Project Undertaken To Develop A Working Model Of **Online Blog Site** And To Study The Existing Working System. As Part Of This Study, We Analyzed The Requirements Of The Working Model And Tried To Improve It Using The Technological Functionality That The Current Computer Science Provides.

This Volume Contains The Documentation Summary Of The Working System, The Background Study And Analysis, The Technical Requirements And The Working Specification Of The Developed System.

We Recommend The User To Take The Advantage Of The Study Presented Here And Implement The System With Their Required Improvisation. We Hope This Study Will Reduce The Burden Of The Reanalysis Of The Development Phase.

Acknowledgment

"It Is Not Possible To Prepare A Project Report Without The Assistance & Encouragement Of Other People. This One Is Certainly No Exception."

On The Very Outset Of This Report, We Would Like To Extend Our Sincere & Heartfelt Obligation Towards All The Personages Who Have Helped Us In This Endeavor. Without Their Active Guidance, Help, Cooperation & Encouragement, We Would Not Have Made Headway In The Project. We Are Ineffably Indebted To Our **HOD / Prof. Jitendra Kabariya** For Conscientious Guidance And Encouragement To Accomplish This Assignment.

We Are Extremely Thankful And Pay Our Gratitude To Our Project Guide **Prof. Anant Joshi** His Valuable Guidance And Support On Completion Of This Project In Its Presently.

We Extend Our Gratitude To Department Of Computer Science, **Late P.S. Hirapara Mahila B.C.A. College -Jetpur** For Giving Us This Opportunity.

Thanking You

Tanvisha Lunagariya (003203212859)
Hinal Kasvala (003203213597)

INDEX

• **Front Page**			
• **Certificate (Provided by your Respected Guide after completion of project)**			
• **Preface**			
• **Acknowledgement**			
Sr. No.	**Title**		**Page No.**
1	**Project Profile**		
	1.1	Project Definition	1
	1.2	Scope	1
	1.3	Objective	1
	1.4	Technical Description	1
2	**System Analysis and Specification**		
	2.1	Study of Current System	2
	2.2	Weakness of Current System	2
	2.3	Introduction of New System	2
	2.4	Hardware and Software Requirement	3
3	**System Requirement Specification**		
	3.1	Project Model (Proposed System and Advantages)	5
4	**System Design**		
	4.1	Use – case Diagram	7
	4.2	Data Flow Diagram	8
	4.3	E-R Diagram	10
	4.4	Data Dictionary	11
	4.5	Flowchart	-
5	**Screen Design**		13
6	**Testing (Manual, Test Cases and Test Data)**		
	6.1	Manual Testing	24
	6.2	Test Cases	25
7	**Enhancements**		
	7.1	Advantages	27
	7.2	Limitation	27
	7.3	Future Scope	27
8	**Bibliography**		28

1- Project Profile

1.1 Definition:-

- Blog Site Is A Online Place Where A User Can Create A Profile And Write Blog With Image Or Content And Enables Users To Share Content.

1.2 Scope:-

- Blog Site Is Interactive Computer Mediated Technology That Facilities The Creation Or Sharing Of Information Ideas, Carrier Intents And Other Forms From Expression Via Blog Site.
- This Can Be Interpreted As A Medium To Document Or Create Or Ideas Content.

1.3 Objectives:-

- This Can Be Interpreted As A Medium To Document Or Create Or Ideas Content.
- Be It Making A Post Or Uploading One's Moment On Online Blog Site Even Making A Statement Or Putting Down One's Opinion.
- Online Blog Site Not Only Has Made Lives And Moments Special But Also A Tool To Market Advertise As Well As To Spread Awareness.
- User Can Share Their Ideas, Information Using Post Into The Online Blog Site.

1.4 Technical Description:-

Front End:-

- CSS, Java Script,Asp.Net

Back End:-

- SQL Server

2- System analysis and specification

2.1 Study Of Current System (Need Of New System):-

- Existing System Is Manual System.
- It Requires A Lot Of File Work To Be Done.
- If Is A Time Consuming System.
- Any Searching Requires So Much Effort Manually.
- There Is No Way Of Spreading The Information So Fact In Cheapest Manner.
- Here People Can Write Whatever They Want To Write.

2.2 Weakness Of Current System (Problem Analysis):-

- The Various File Are Likely To Have Different Formats And Therefor Lead To Redundancy And Inconsistency.
- Traditionally Documents Have Been Stored In Batch And They Field In File Cabinets And Boxes.
- A Numerical System Is They Assigned.
- Specifically A Consumer Number Assigned To Organize The Files.
- Existing System Are Error Prone Since Manual Work Is Required.
- More Time Is Consumed And Errors May Propagate Due To Human Mistake.
- Due To Maintenance Of Records Manually And Shared And Could View Easily By Anyone.

.

2.3 Introduction Of New System:-

- A Blog Is A Type Of Website That Is Update Regularly With New Content.
- Most Blog Contains Short Informal Articles Called Blog Post.
- There Most Usually Contain Some Combination Of Text, Photos, Videos, And Other Media.
- A Good Introduction Should Identify Your Topic, Provide Essential Context And Indicate Your Particular Focus In The Essay.
- It Also Needs To Engage Your Reader’s Interest.

2.4 Hardware And Software Requirement (Feasibility Study):-

- There Are Three Type Of Feasibility Study.

1. Technical Study
2. Economical Study
3. Operational Study

1] Technical Feasibility

Software	Specification
Front End	Visual Studio 2013
Back End	My SQL Server
Browser	Any Web Browser
Operating System	Cross Platform (Windows, Linux, Etc…)

Hardware	Specification
Processor	1GHZ Or Higher Intel
Motherboard	Compatible With The Processor
Hard Disk	250 GB Or More
RAM	1 Or 2 GB
Monitor	Any CRT/LCD/LED
SMPS	450 Watt
Keyboard	Any Multimedia
Mouse	Optical

2] Economical Feasibility

.

Software	Specification	Price
Front End	Visual Studio 2013	Free
Back End	My SQL Server	Free
Browser	Any Web Browser (Preferable Mozilla Firefox)	Free
Operating System	Microsoft Windows 10 Linux (Ubuntu)	4800 Free

Hardware	Specification	Price
Processor	Intel Core I3 10th Gen	6800
Mother Board	GA H6IM D2-B3	3000
Hard Disk	Seagate Barracuda 1 TB	3400
RAM	DDR 3 4GB	500
Monitor	Dell 18.5 “LED	6200
SMPS	Circle Wired Keyboard	1200
Keyboard	Logitech Wired Keyboard	750
Mouse	Logitech Wired Keyboard	750

3] Operational Feasibility

- A Blog Is A Type Of Website That Is Updated Regularly With New Content.
- Most Blog Contain Short Information Articles Called Blog Posts.
- These Posts Usually Contain Some Combination Of Text, Photos And Other Media.
- Blog Site Not Only Has Made Lives And Moments Special But Also A Tool To Market Advertise As Well As To Spread Awareness.

3- System Requirement Specification

➢ Admin:

1. Login: -

Admin Can Login And Logout In To The Site. The Successfully Login Allows Admin To Access A Website Or Web Application.

2. View Registration: -

Admin Can View Detail Of The User. Admin Approval For User Login Is An Essential Security Measure To Control Access To Web Applications.

3. Manage Category: -

Admin Can Add Or Edit Category. The Category Management Administration Task Is Used To Define The Corporate Guidelines And Data Required For Assessment And Optimization.

4. Blog: -

Admin Can View Or Delete Of The User Blog. A Blog Description Is A Summary That Tells The Reader What Your Blog Is About.

5. View Feedback: -

Admin Can View Or Delete Review Of The User. User Feedback Is Qualitative And Quantitative Data From Customers On Their Likes, Dislikes, Impressions, And Requests About A Product.

6. Change Password: -

Admin Can Change Their Password. Regularly Updating Your Passwords Means That Even If Someone Finds An Old Or Saved Password, It Will No Longer Be Useful, And Your Data Will Be Secure

➢ User:

1. Home: -

User Can See Home Page. A Home Page Is The Default Or Front Page Of A Site

2. About Us: -

Users Can Display Information Of The Site. An About Us Page Is A Dedicated Section Of Your Website That Provides Background Information About Your Business Or Organization

3. Contact Us: -

Users Can Contact With The Site Admin. Contact Us Page Provides Guidance For Existing Customers And Offers An Overview Of Your Brand For New Visitors

4. Registration: -

Users Can Registration Into The Site. Registration Forms Are Documents That Are Used To Collect Information From Individuals Who Wish To Join Or Sign For A Particular Event, Service, Program, Or Website.

5. Login: -

Users Can Login And Logout Into The Site. The Successfully Login Allows A User To Access A Website Or Web Application.

6. Feedback: -

Users Can View Feedback Into The Site. This Information Includes What They Like And Don't Like, How They Think About A Product, And What They Want.

7. Edit Profile: -

Users Can Edit Their Information. An Edit Profile Controls Your Edit Session Through Modes And Temporary Lines.

8. Change Password: -

Users Can Change Their Password. Regularly Updating Your Passwords Means That Even If Someone Finds An Old Or Saved Password, It Will No Longer Be Useful, And Your Data Will Be Secure.

9. Forgot Password: -

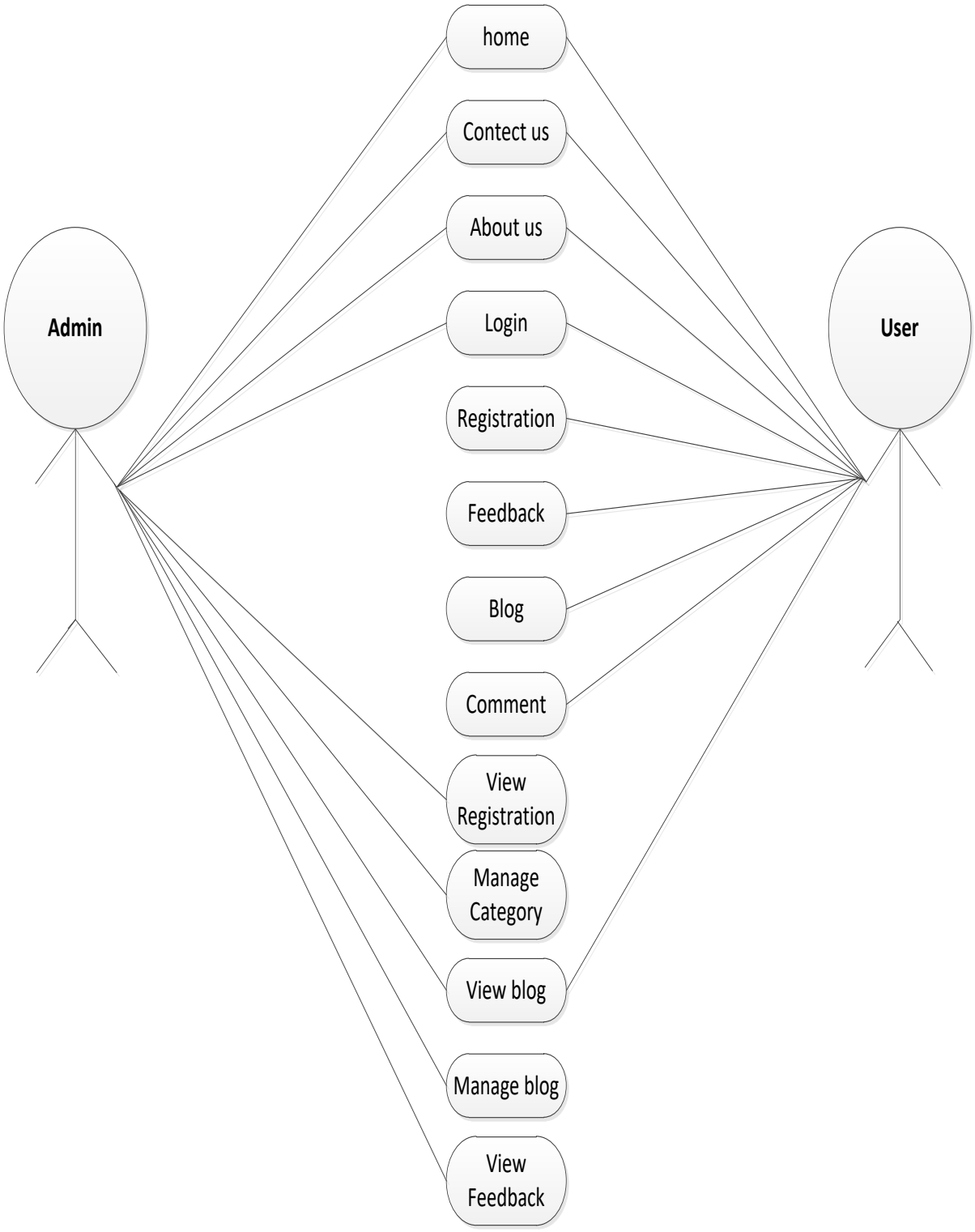
Users Can Reset Their Password. If User Don’t Remember Their Password At That Time User Can Use This Functionality To Reset Password.

10. Blog: -

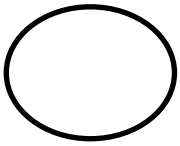
Users Can Add Their Blog And View Blog Of The Other User. User Can View Blog Of The Other User And Get The Information As Per Topics Of Blogs

4- System Design

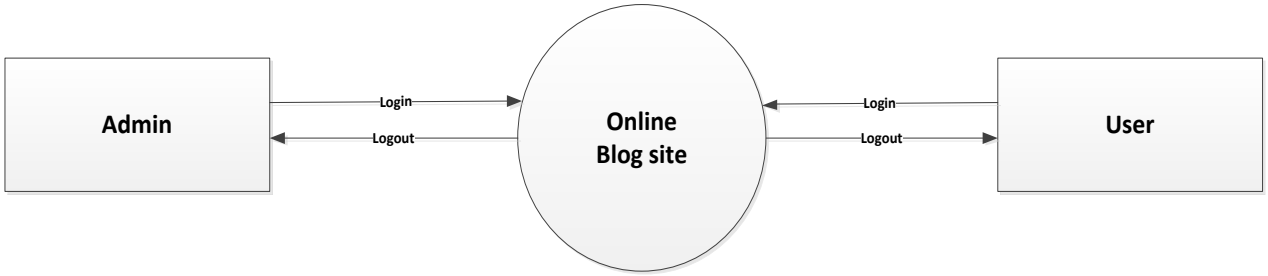
4.1 Use-Case Diagram:



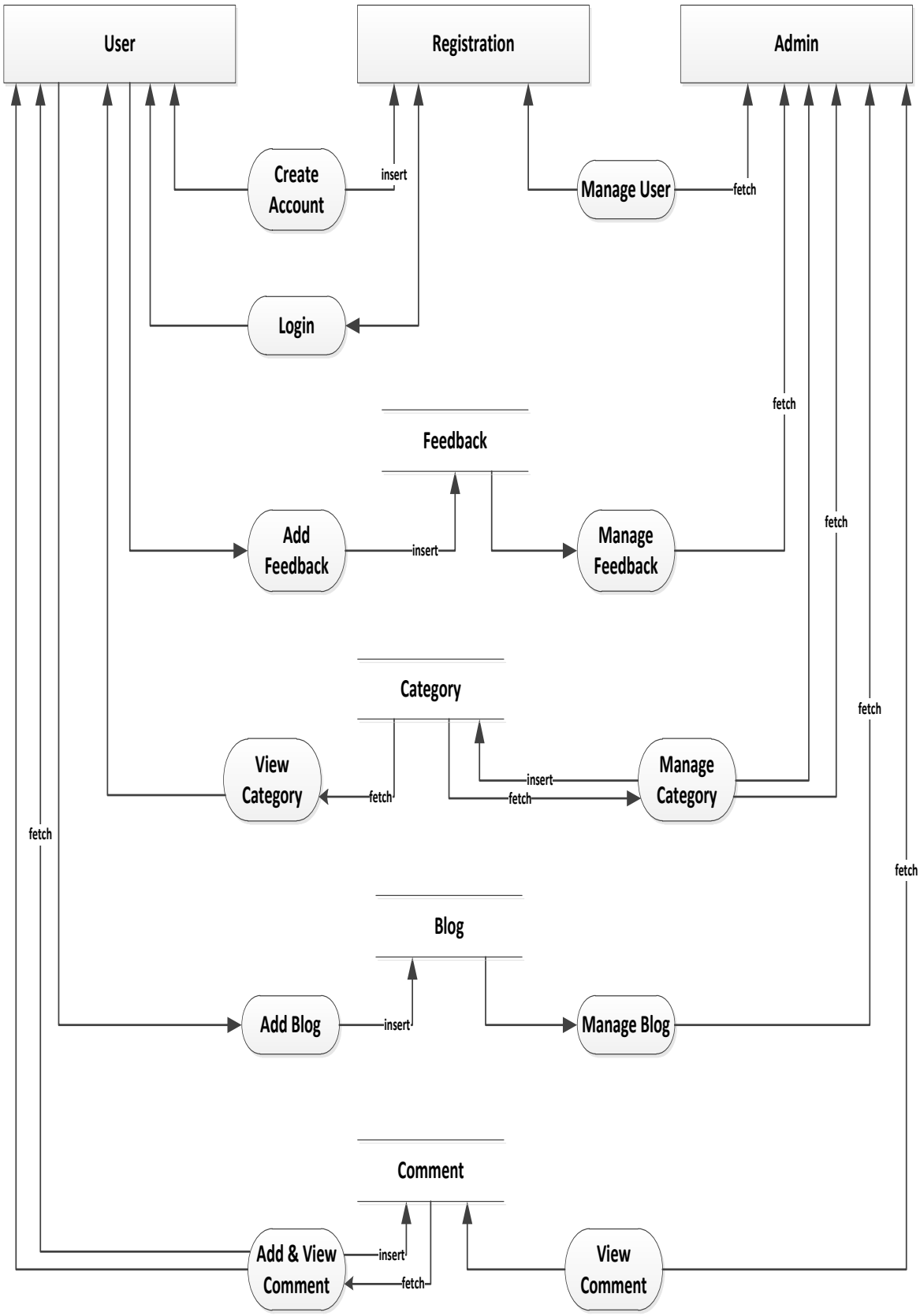
4.2 Data Flow Diagram:

Symbols	Name	Use
	Rectangle	It Symbolizes The Source
	Circle	It Symbolizes The Data Process
	Unmarked Line	It Symbolizes The Connectivity Without A Start end
	Marked Line	It Symbolizes The Connectivity With A Start end
	Round Rectangle	It Symbolizes The Data Stored.

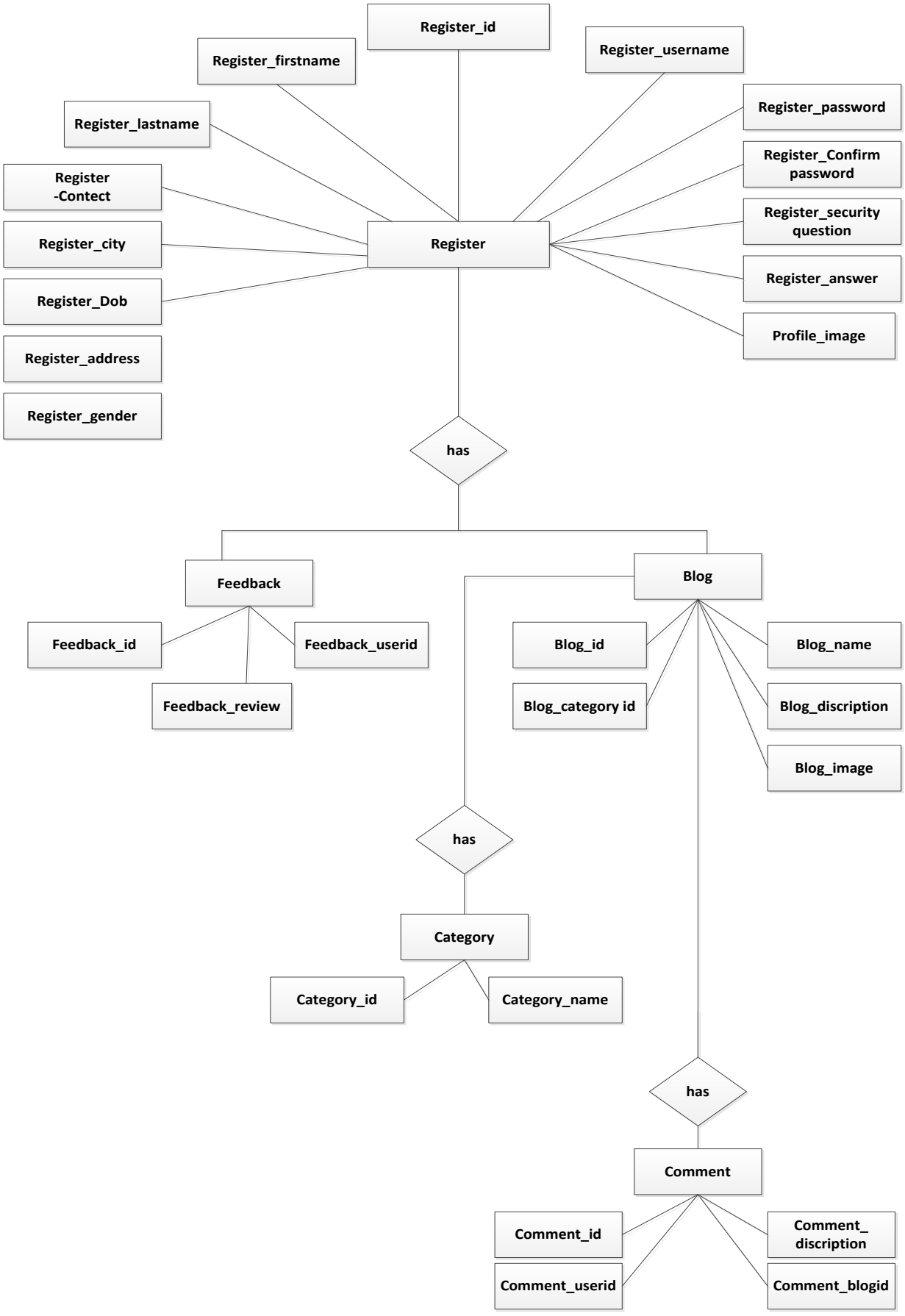
- **0 Level DFD:-**



- **1-level DFD:-**


User
Registration
Admin
Create Account
insert
Manage User
fetch
Login
Feedback
Add Feedback
insert
Manage Feedback
fetch
Category
View Category
fetch
insert
fetch
Manage Category
fetch
fetch
fetch
Blog
Add Blog
insert
Manage Blog
Comment
Add & View Comment
insert
fetch
View Comment

4.2 E-R diagram



4.3 Data Dictionary (Blog)

1) Registration

Field name	Data type	Size	Constraints	Remark
Register_id	Integer	5	Auto Increment	Primary key
Register_firstname	Varchar	50	Not null	-
Register_lastname	Varchar	50	Not null	-
Register_contact	Integer	10	Not null	-
Register_city	Varchar	50	Not null	-
Register_address	Varchar	50	Not null	-
Register_dob	Date	-	Not null	-
Register_gender	Varchar	50	Not null	-
Register_username	Varchar	50	Not null	-
Register_password	Varchar	50	Not null	-
Security_question	Varchar	50	Not null	-
Register_answer	Varchar	50	Not Null	-
Profile_image	Varchar	Max	Not null	-

2) Admin

Field name	Data type	Size	Constraints	Remark
Admin_id	Int	10	Auto Increment	Primary key
Admin_username	Varchar	50	Not null	-
Admin_password	Varchar	50	Not null	-

3) Feedback

Field name	Data type	Size	Constraints	Remark
Feedback_id	Integer	5	Auto Increment	Primary key
Feedback_user_id	Integer	100	Not null	-
Feedback_review	Varchar	500	Not null	-
Date_time	Varchar	-	CURRENT TIMESTAMP	-

4) Category

Field name	Data type	Size	Constraints	Remark
Category_id	Integer	10	Auto Increment	Primary key
Category_name	Varchar	50	Not null	-

5) Blog

Field name	Data type	Size	Constraints	Remark
Blog_id	Integer	11	Auto Increment	Primary key
Blog_name	Varchar	50	Not null	-
Blog_des	Varchar	5	Not null	-
Blog_image	Varchar	10	Not null	-
Blog_user_id	Integer	5	Not null	Foreign key
Blog_date	Date	-	CURRENT TIMESTAMP	-
Blog_category_id	Integer	10	Not null	Foreign key

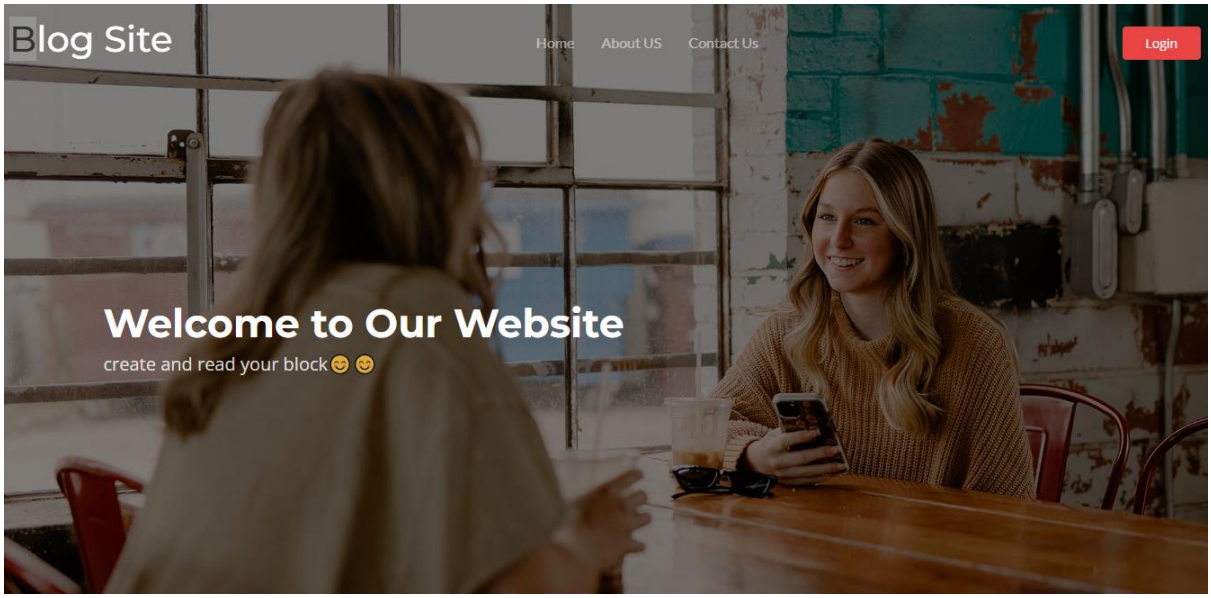
6)Comment

Field name	Data type	Size	Constraints	Remark
Comment_id	Integer	5	Auto Increment	Primary key
Comment_des	Varchar	100	Not null	-
Comment_date	Date	15	CURRENT TIMESTAMP	-
Comment_user_id	Interger	10	Not null	Foreign key
Comment_blog_id	Interger	10	Not null	Foreign key

5 – Screen Design

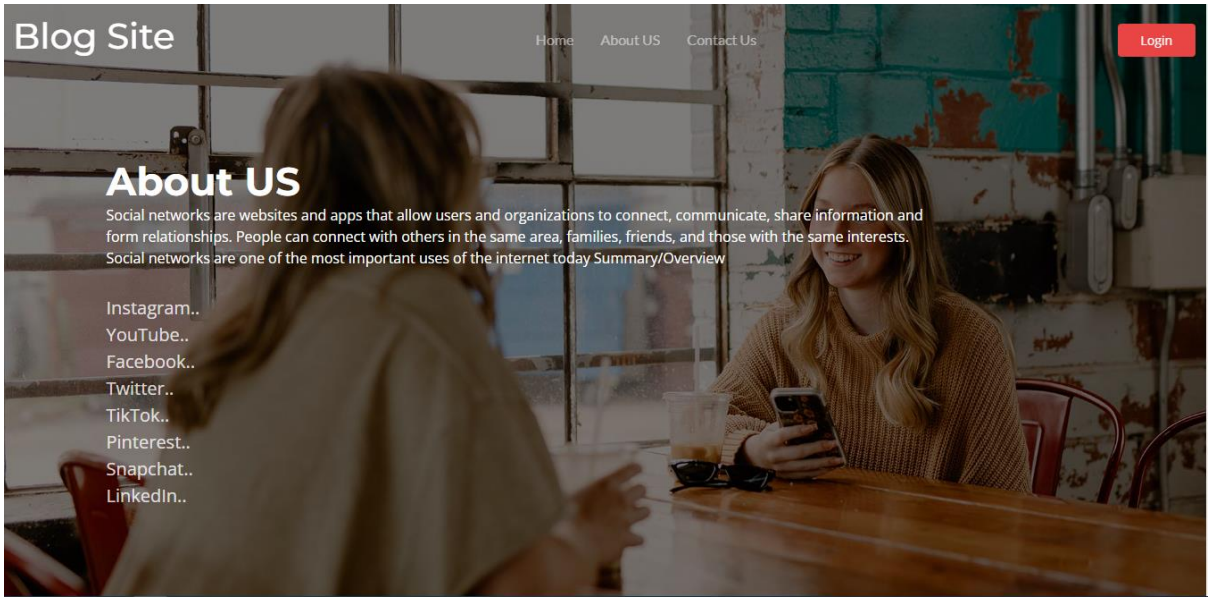
- **User:**

1. Home Page



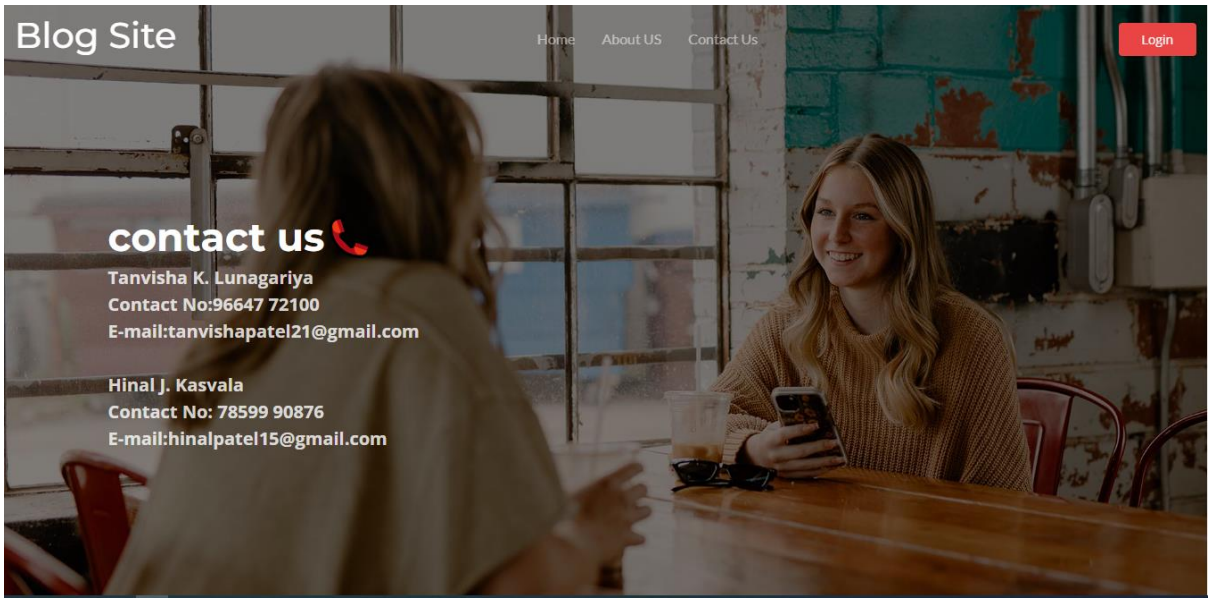
- User Home Page. A Home Page Is The Default Or Front Page Of A Site.

2. About Us



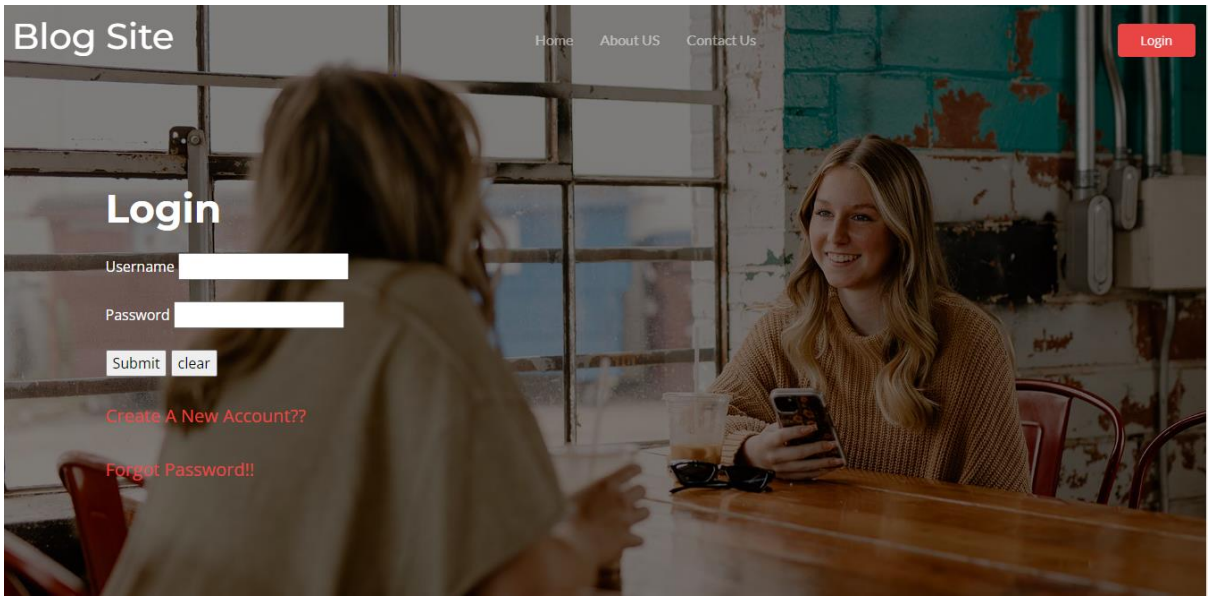
- User Can Get Detail About Blog Site. An About Us Page Is A Dedicated Section Of Your Website That Provides Background Information About Your Business Or Organization.

3. Contact Us



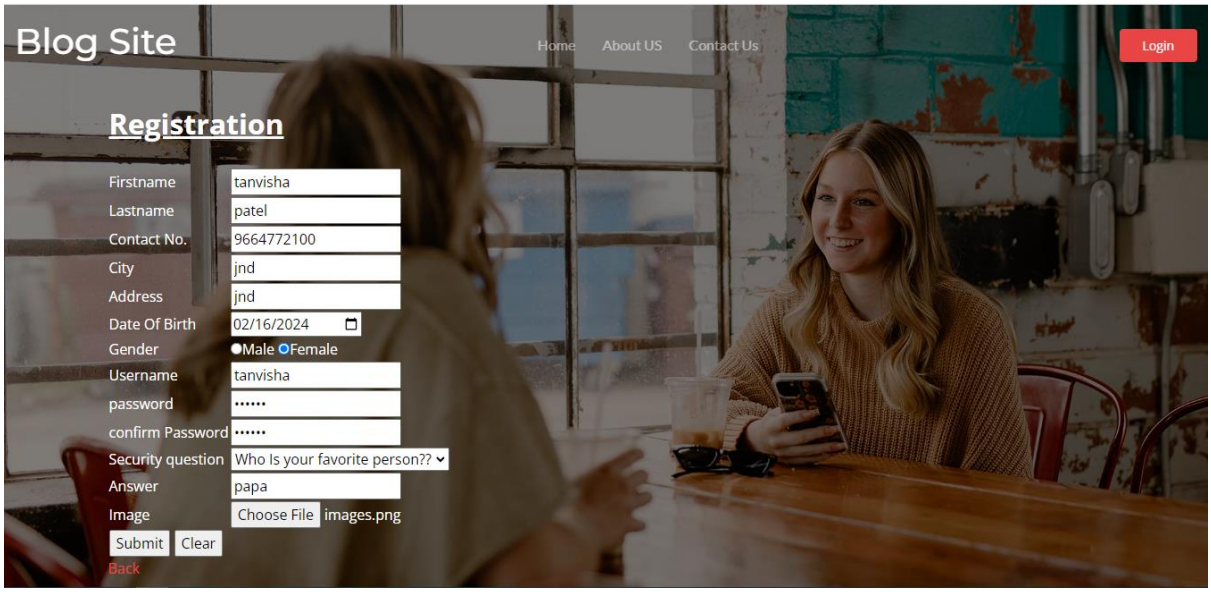
- User Can Contact With Side Admin. Contact Us Page Provides Guidance For Existing Customers And Offers An Overview Of Your Brand For New Visitors.

4. Login Page



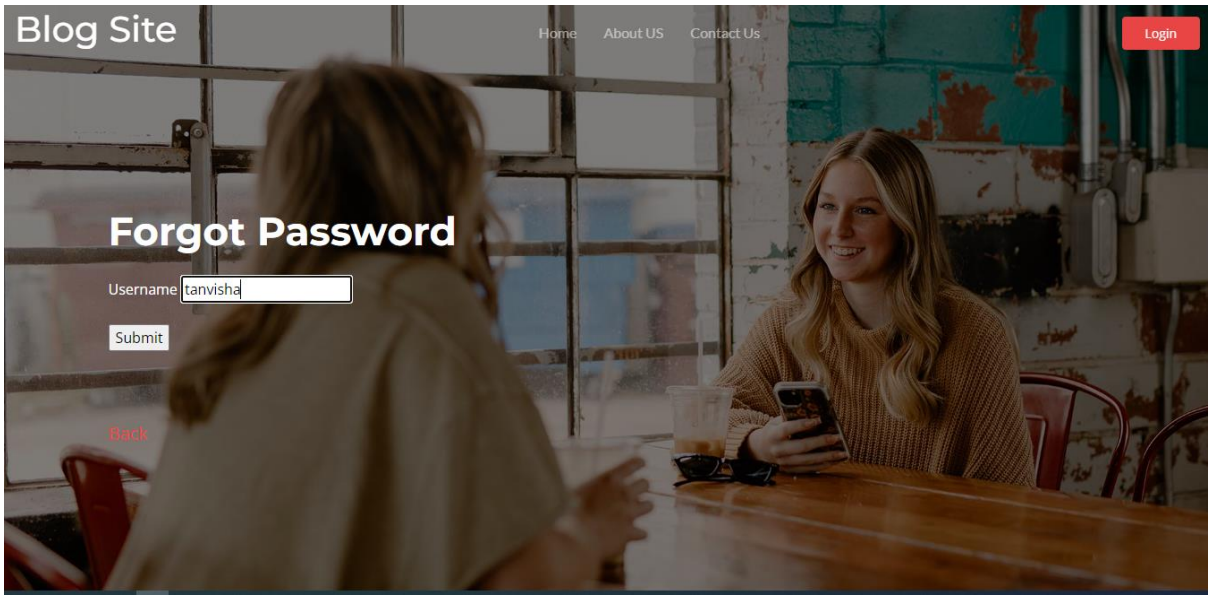
- User Can Login Here Into The Blog Site.The Successfully Login Allows A User To Access A Website Or Web Application.

5. Registration



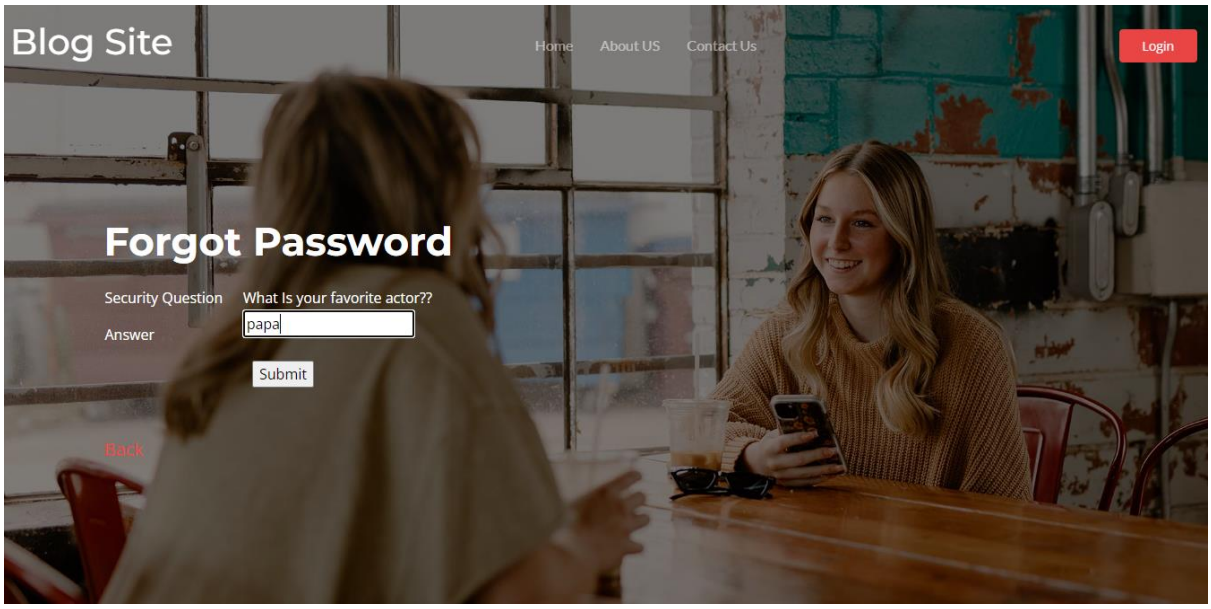
- User Can Register Here. Registration Forms Are Documents That Are Used To Collect Information From Individuals Who Wish To Join Or Sign Up For A Particular Event, Service, Program, Or Website.

6. Forgot Password 1



- User Can Reset Password. For The Reset Password User Can Add Their Username Here. If Username Is Valid Then Redirect Forgot Password 2 Page.

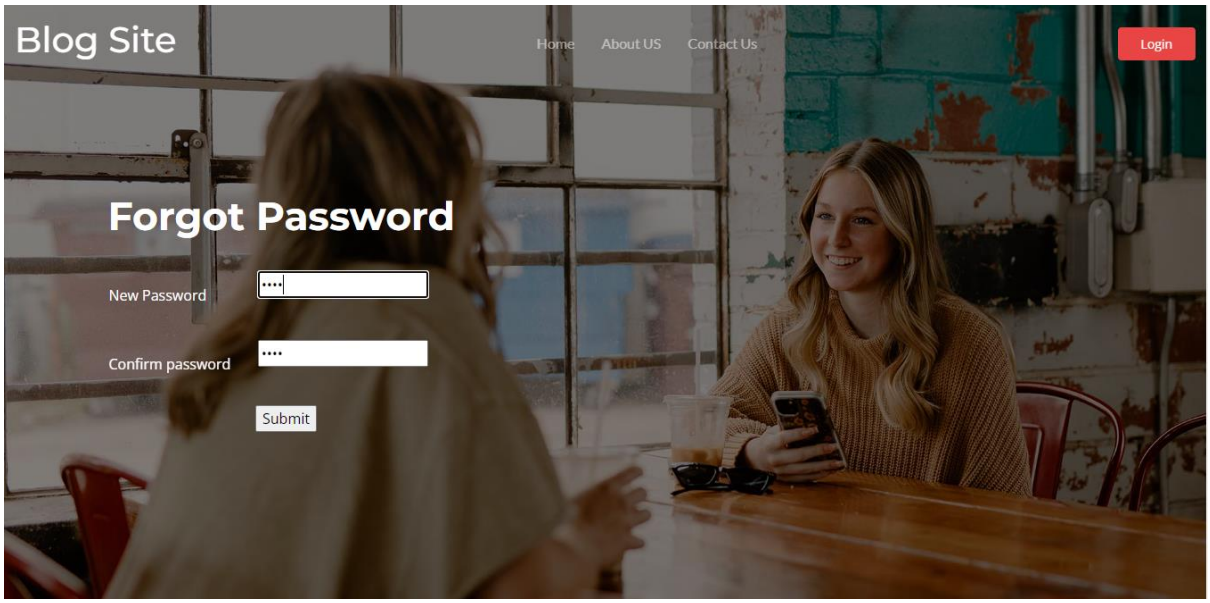
7. Forgot Password 2



- User Can Reset Password. User Must Fill Answer Here. If Answer Is Correct Then Redirect Forgot Password 3 Page.

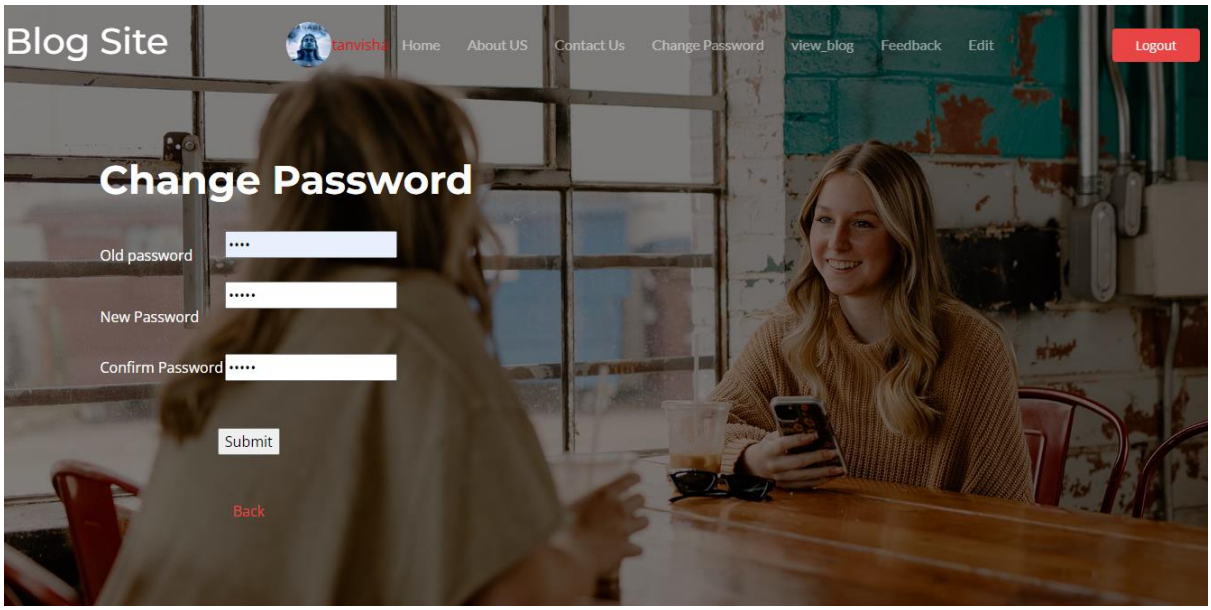
.

8. Forgot Password 3



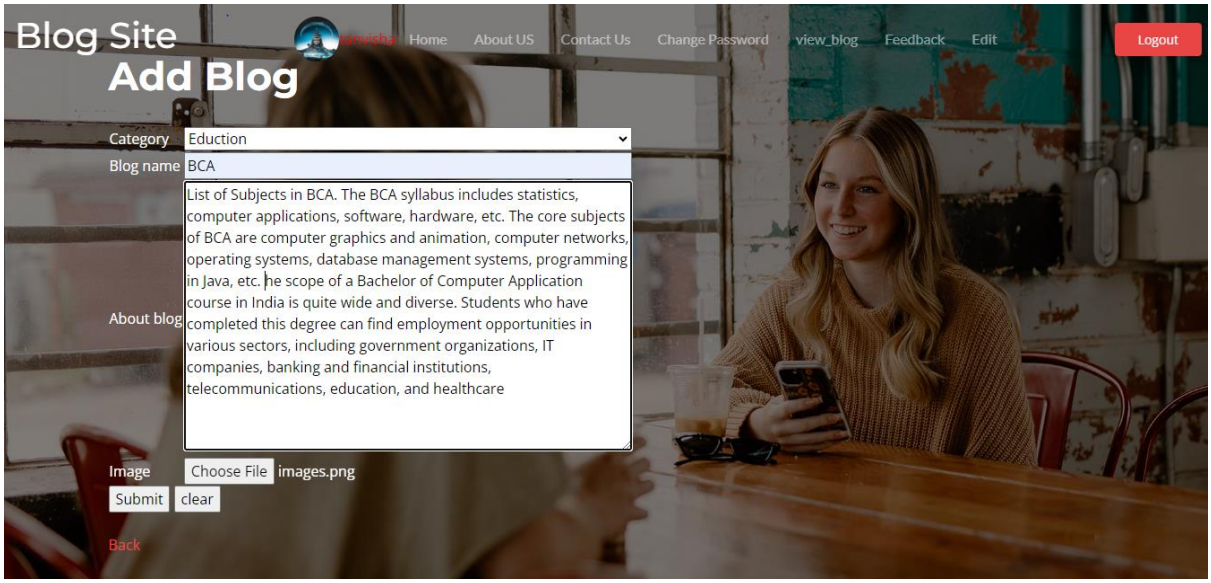
- User Can Reset Password. Here Set A New Password Of Their Profile.

9. Change Password



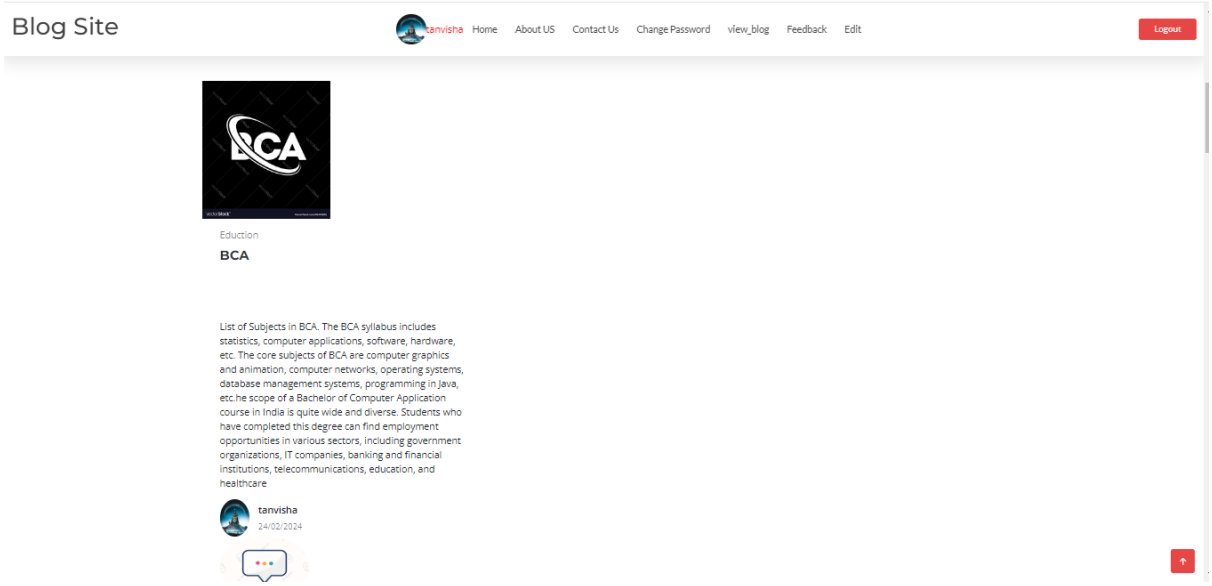
- User Can Change Password Here. Regularly Updating Your Passwords Means That Even If Someone Finds An Old Or Saved Password, It Will No Longer Be Useful, And Your Data Will Be Secure.

10. Add Blog



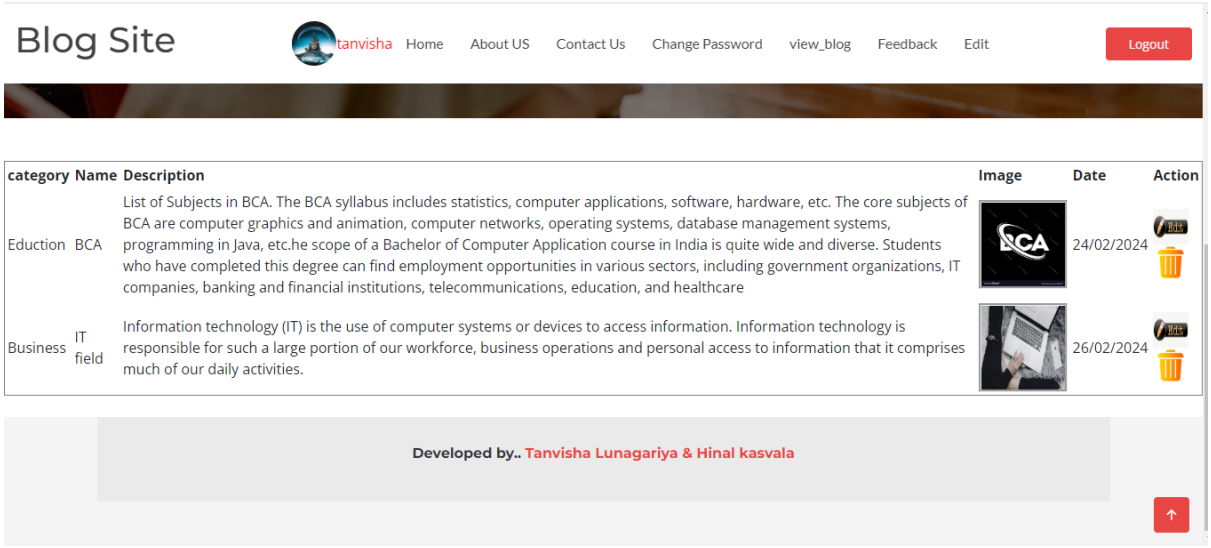
- User Can Add Their Blogs. A Blog Description Is A Summary That Tells The Reader What Your Blog Is About.

11. View Blog



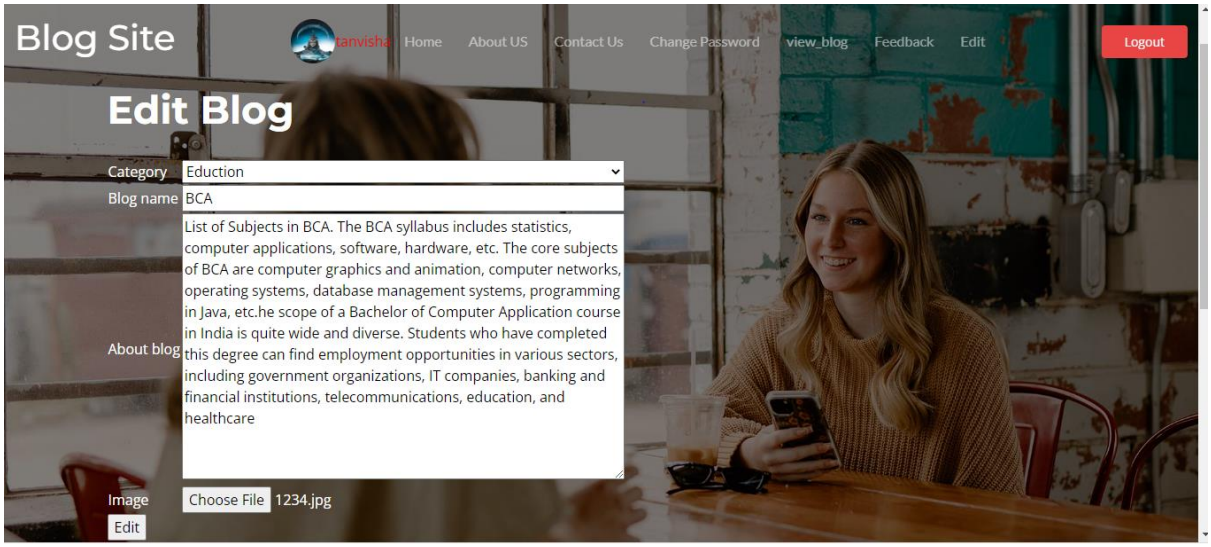
- User Can View Blog Of The Other User And Get The Information As Per Topics Of Blogs.

12. Your Blog



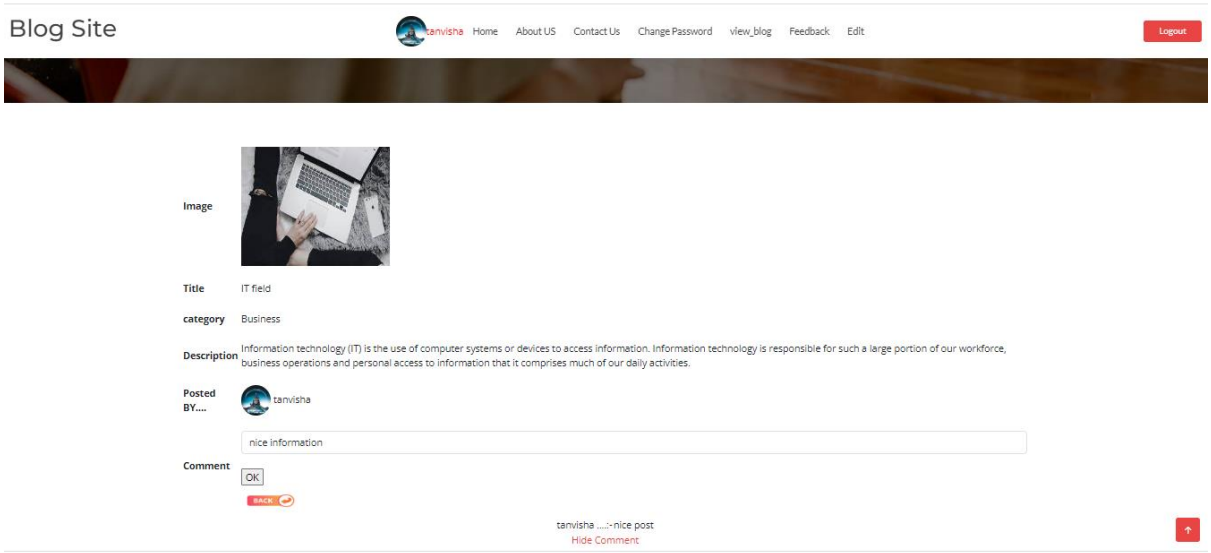
- User Can View Their Own Blog Here And Also Can Get Edit Menu Or Delete Option Of Their Blogs.

14. Edit Blog



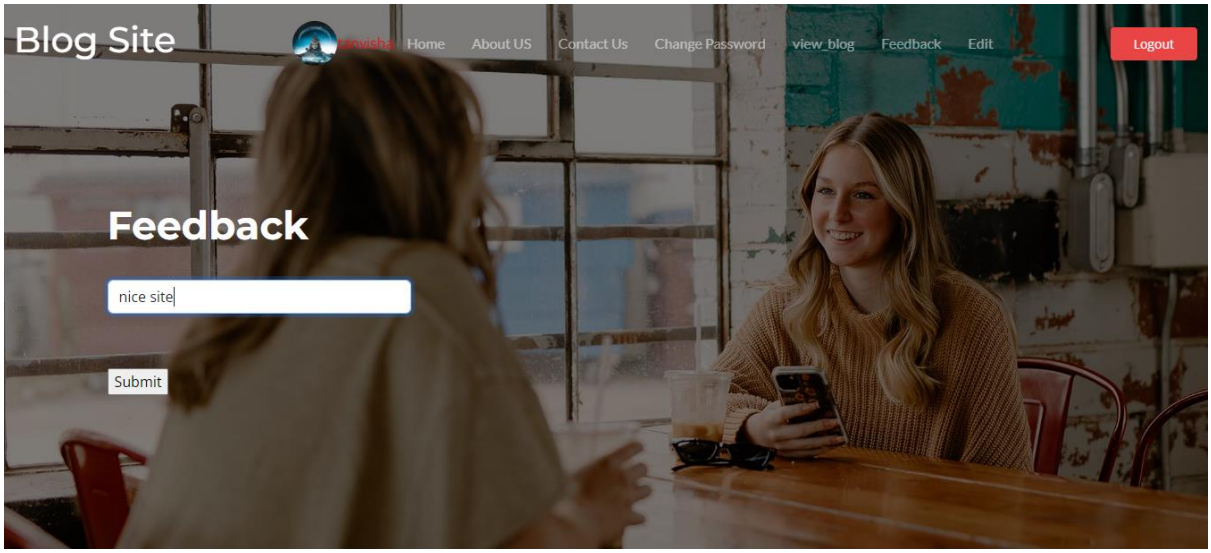
- User Can Edit Their Blogs. Blog Editing Is A Combination Of Editing Your Blog Posts So That They Are Grammatically Correct, Free From Those Pesky Typos And That Your Spelling Is Correct.

15. Blog Comment



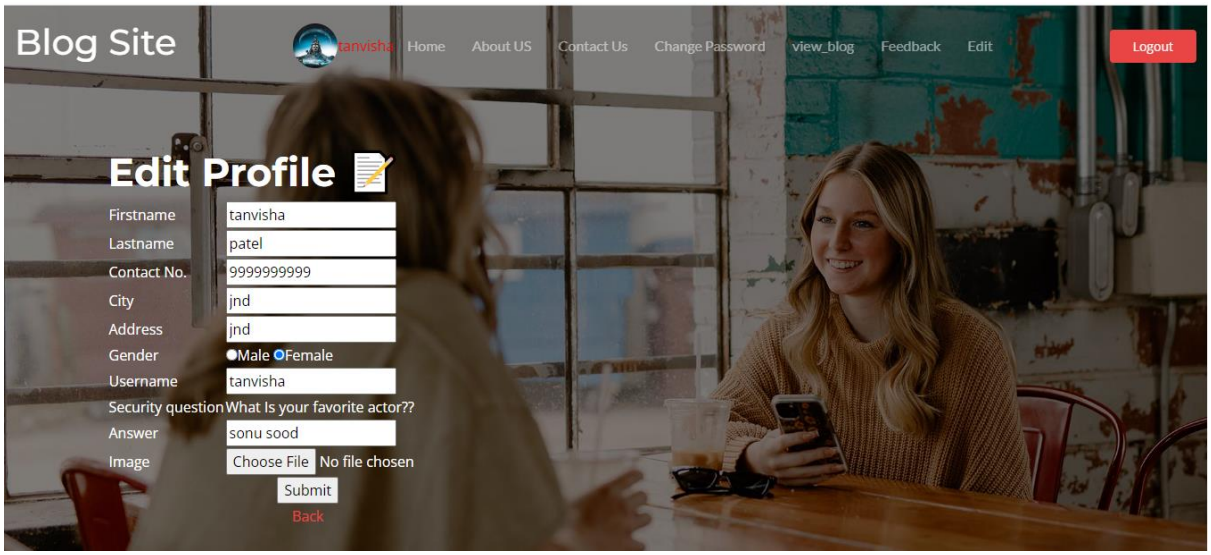
- User Can Add Their Review On Blog. Blog Comments Are Comments, Questions, And Opinions That Are Left By Readers At The End Of A Blog.

15. Feedback



- User Can View Feedback Into The Site. This Information Includes What They Like And Don't Like, How They Think About A Product, And What They Want.

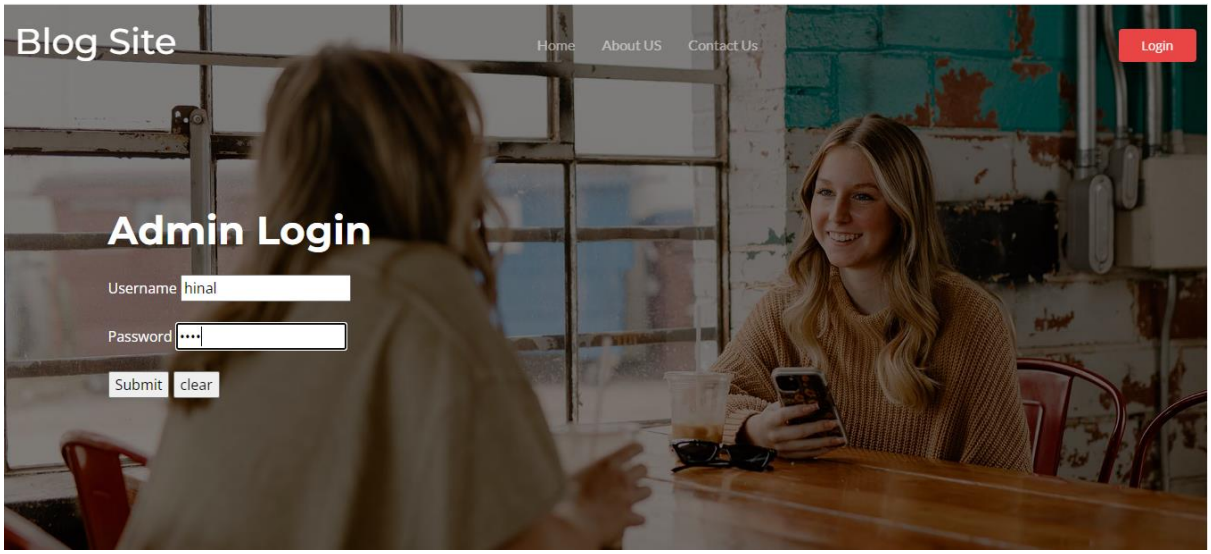
16. Edit Profile



- Users Can Edit Their Information. An Edit Profile Controls Your Edit Session Through Modes And Temporary Lines.

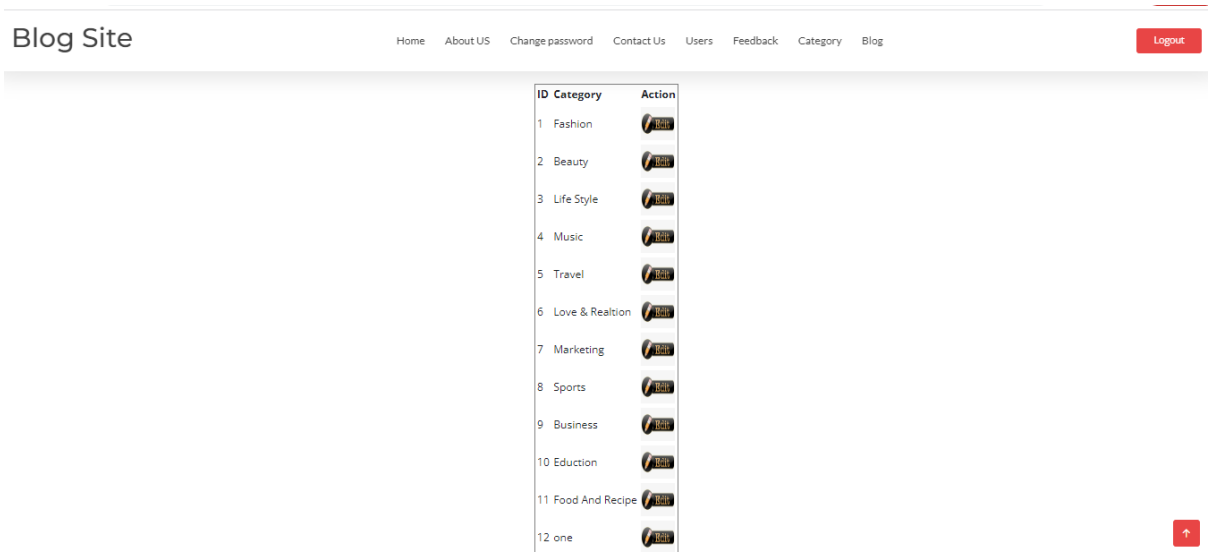
- **Admin:**

1. Admin Login



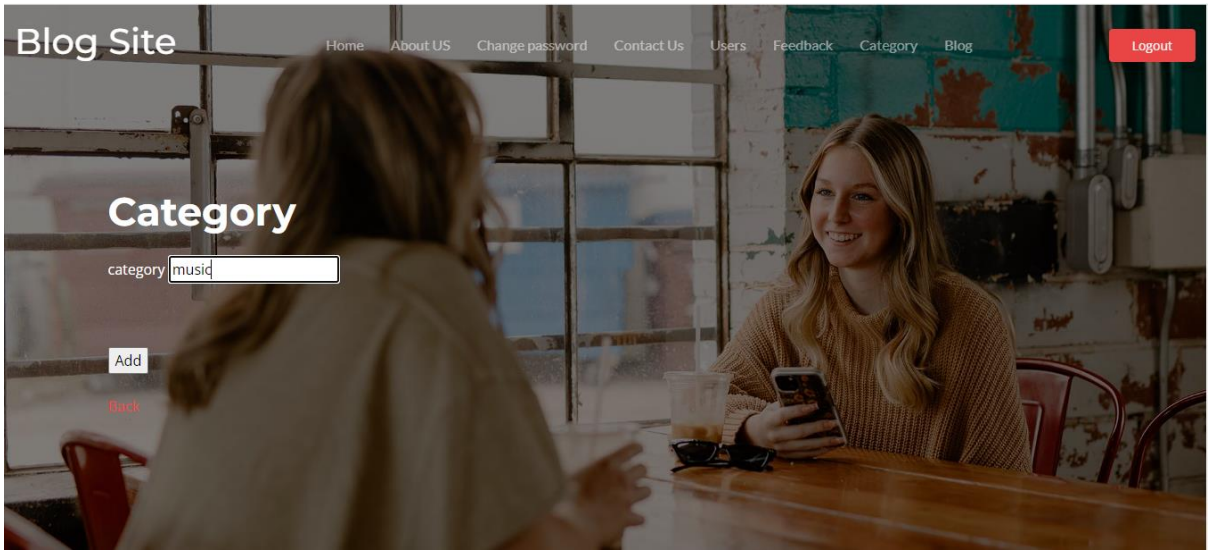
- Admin Can Login And Logout In To The Site. The Successfully Login Allows Admin To Access A Website Or Web Application.

2. Category



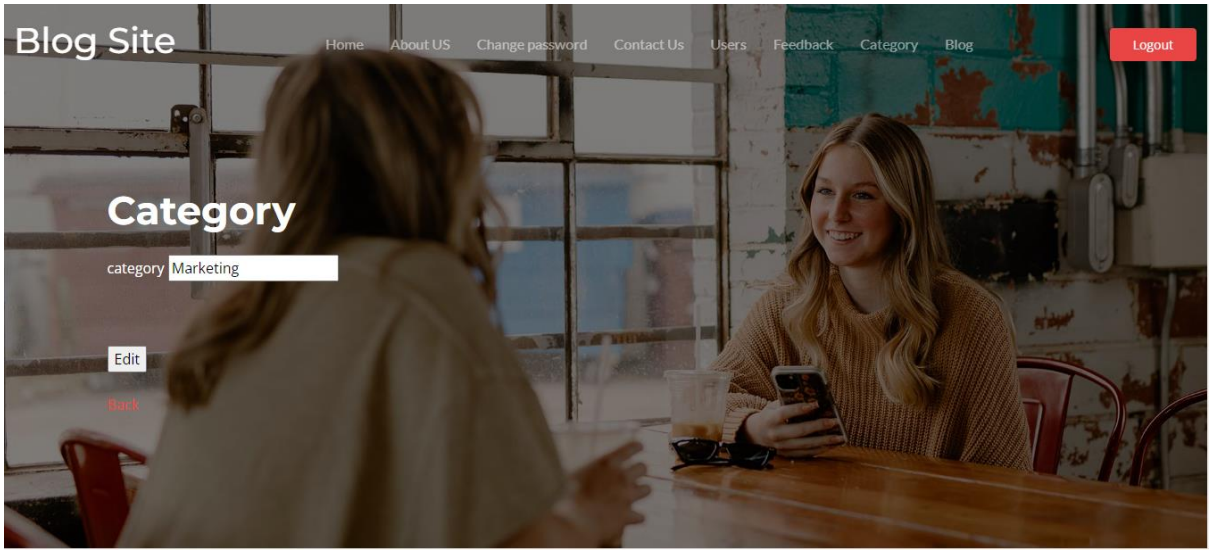
- Type The Category Name And If Appropriate, Provide A Brief Description. Adding A Description Is A Good Idea If You Are Using Multiple Categories.

3. Add Category



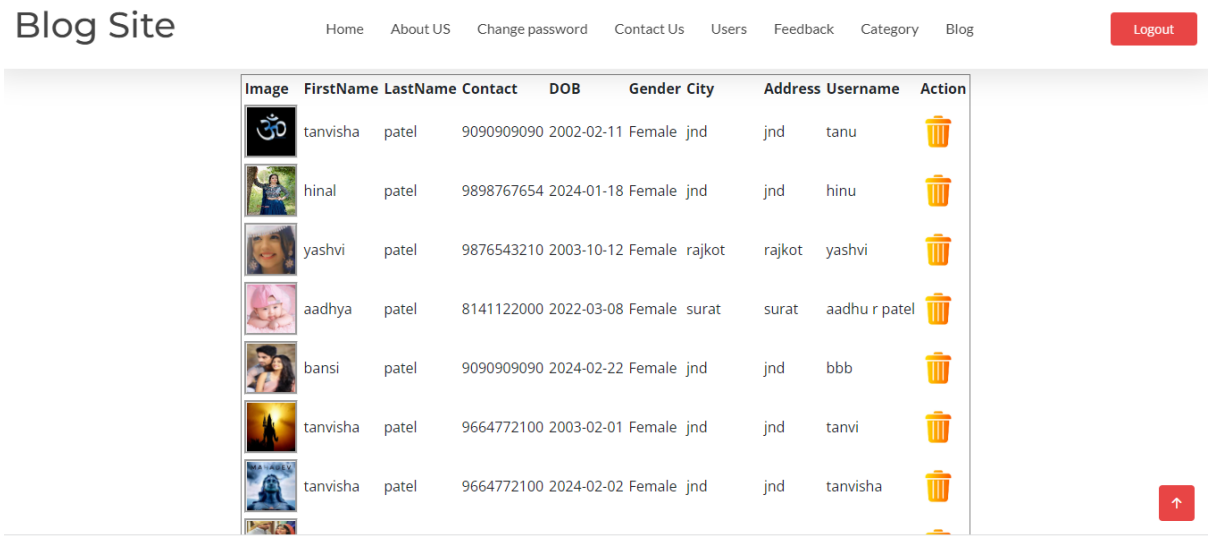
- The Category Management Administration Task Is Used To Define The Corporate Guidelines And Data Required For Assessment And Optimization.

3. Edit Category



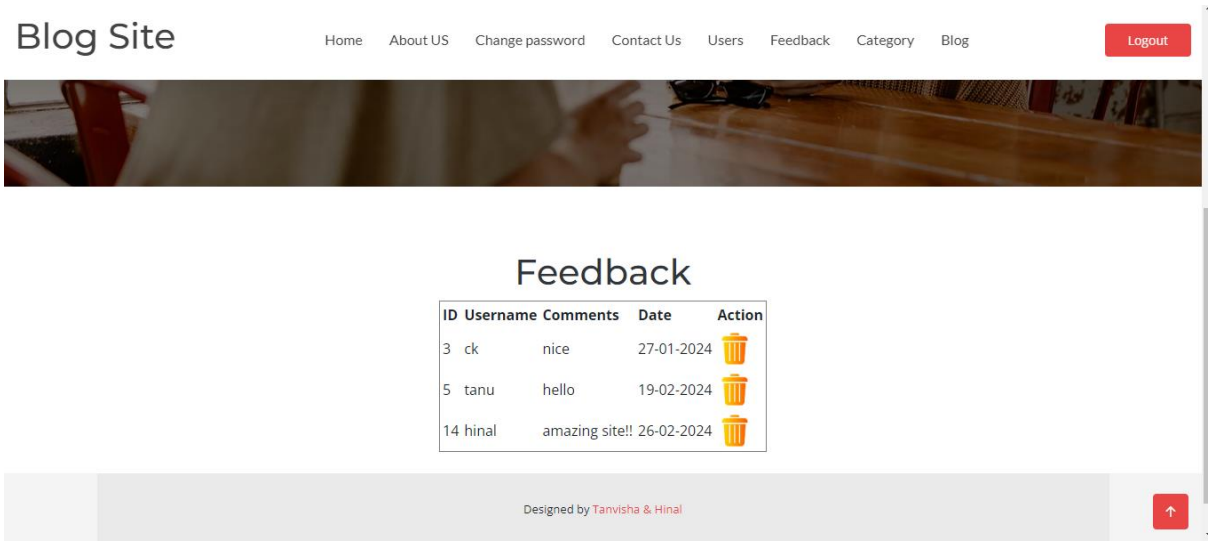
- Admin Can Edit Category. You Will See Default Categories As Well As Any Other Custom Ones. Manage The Categories Name There.

4. View Registration



- Admin Can View Detail Of The User. Admin Approval For User Login Is An Essential Security Measure To Control Access To Web Applications.

5. View Feedback



- Admin Can View Or Delete Review Of The User. User Feedback Is Qualitative And Quantitative Data From Customers On Their Likes, Dislikes, Impressions, And Requests About A Product.

6-Testing (Manual, Test Cases and Test Data)

6.1 Manual Testing:-

- Testing Of System Device With The Newly Design System Work Properly Not.
- In This Testing We Can First Identified Registration Login Any User Are View A Mobile.

➔ **Testing Is Two Types:**

1. Functional
2. Structural

1. Functional Testing Has:-

- Equivance Class Portion.
- Boundary Value Analysis.
- Cause Effect Graphing.

2. Structural Testing Has:-

- Control Flow Based Criteria.
- Data Flow Based Testing.

➔ We Have Testing This Application Two Method.

1. White Box Testing.
2. Black Box Testing.

1. White Box Testing:-

- In This Testing We Can Check Properly Registration Login Worked Or Not.
- Exercise All Logical Decision On Their True And False Side.
- Exercise Internal Data To Ensure There Validity.

2. Black Box Testing:-

- Black Box Testing Also Called Behavior Testing Focus On Functional Requirement Of Software.
- Black Box Testing Enable The Software Engine To Drive The Set Input Or Output Condition That Will Fully Executing Concerned With The Proper Execution Of The System Specification.

➔ In Black Box Testing We Can Check.

- Incorrect Or Missing Fiction.
- Interface Error.
- Error In Data Structure Or External Database Access.
- Initialization And Termination Error.

6.2 Test Cases

- **Criteria:**

  Input 1: Only character
  Input 2: Only Digit
  Input 3: Only Character with Digit
  Input 4: Character with Special Symbol

➢ **Registration:**

Fieldname	Input1	Input 2	Input3	Input4
Register_id	No	Yes	No	No
Register_First name	Yes	No	No	No
Register_Last name	Yes		No	yes
Register_Contact	Yes	No	No	No
Register_City	Yes	Yes	Yes	Yes
Register_Address	No	Yes	No	No
Register_dob	Yes	No	Yes	No
Register_Gender	Yes	No	No	No
Register_Username	No	Yes	No	No
Register_Password	Yes	Yes	Yes	Yes
Register_CPassword	Yes	Yes	Yes	Yes
Register_Security Question	Yes	Yes	Yes	Yes
Answer	Yes	Yes	Yes	Yes
Profile image	No	No	No	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

➢ **Login :**

Fieldname	Input1	Input 2	Input3	Input4
Register_username	Yes	No	No	Yes
Register_password	Yes	No	Yes	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

➢ **Feedback :**

Fieldname	Input1	Input 2	Input3	Input4
Feedback	No	Yes	No	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

➢ **Category :**

Fieldname	Input1	Input 2	Input3	Input4
Name	No	Yes	No	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

- **Forget User :**

Fieldname	Input1	Input 2	Input3	Input4
Regiter_username	Yes	No	No	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

- **Forget Answer:**

Fieldname	Input1	Input 2	Input3	Input4
Regiter_feedback	Yes	No	No	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

- **Forget Password:**

Fieldname	Input1	Input 2	Input3	Input4
New Password	Yes	Yes	Yes	Yes
Confirm Password	Yes	No	Yes	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

- **Admin**

Fieldname	Input1	Input 2	Input3	Input4
Admin_id	No	Yes	No	No
Admin_username	Yes	Yes	No	No
Admin_password	Yes	Yes	Yes	Yes
Result	**Pass**	**Fail**	**Fail**	**Fail**

- **Change Password:**

Fieldname	Input1	Input 2	Input3	Input4
Old Password	Yes	Yes	No	No
New Password	Yes	No	Yes	No
Confirm Password	Yes	Yes	No	Yes
Result	**Pass**	**Fail**	**Fail**	**Error**

- **Comment:**

Fieldname	Input1	Input 2	Input3	Input4
Comment_id	Yes	Yes	No	No
Comment_des	Yes	No	Yes	No
Comment_Date	Yes	Yes	No	Yes
Comment_user id	Yes	No	Yes	No
Result	**Pass**	**Fail**	**Fail**	**Fail**

7-Enhancements

7.1 Advantages:

- Not Only Do People More Easily Consume Visual Content, But Blogs Also Allow You To Showcase Your Personality.
- Blogs Are Based On Personal Commitment.
- Blogs Are A Big Source Of Information Used By The Majority For Sharing And Receiving Information
- User Can Share Their Ideas Or Thought Into The Social Media.

7.2 Limitation:

- Searching Facility Is Not Available.
- Admin Cannot Add Blog
- Admin Cannot Give Their Review On Blog
- Blog Liked Or Sharing Facility Can't Do Here.

7.3 Future Scope:

- We want to do following enhancement on problem.
- Some of limitation is removed by using so mends advance technology in future.
- There are also adding feature are providing to admin so functionality of working will becomes fast.
- Admin Can Also Add Their Blogs.
- We Will Also Provide The Facility Of Searching.
- We Will Try Our Best In Future.

8- Bibliography

- **Web Site:-**

www.w3school.com
www.geeksforgeeks.com