

(The Engineering & Management College)



PROJECT LAB

(CODE-MCAP-506)

Submitted To: - Submitted By:-

Ms.Monika Belwal Yogesh Bhatt(201809014)

Tushar Agrawal(201809013)



**Department of Computer Science & Engineering**

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*Yogesh Bhatt*

*Tushar Agrawal*

**Place: Dehradun**

**Date:**

**DECLARATION**

We hereby declare that this Project Report titled DOCTOR (a social networking platform) submitted by us and approved by our project guide, to the Department of Computer Science and Engineering, TULA’S INSTITUTE, is a Bona-fide work undertaken by us and it is not submitted to any other University or Institution for the award of any degree diploma / certificate or published any time before.

|  |  |  |
| --- | --- | --- |
| **Project Group:** | DOCTOR | |
| **Student Name:** | Yogesh Bhatt |  |
| **Student Name:** | Tushar Agrawal |  |
|  |  |  |
|  |  |  |
| **Project Guide: (External)** |  |  |
| **Project Guide: (Internal)** |  |  |
|  |  |

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**A:Data Flow Diagram (DFD)**

**B:Entity Relationship Diagram (ERD)**

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# 1 Project Title

DOCTOR, A Social Network Platform

# 2 Domain

This project is a java application program.

# 3 Problem Statement

The **“DOCTOR”** project is an innovative thought to simplified way to connect professionals from different field to share their research give comment on a particular topic or to review patients. In the present Scenario, there is no effective or efficient way for doctors to publish their research or to interact with multiple professionals to share their experience.

* Large gap time between the query and their solution.
* Single professional can interact only with a particular patient.
* Specialized professionals are difficult to find.
* Needed to provide all the record in written format.

In the Previous System, Details are Stored Manually in papers, to share the details between doctors and patients was a very time consuming process. Updates in the details is a tedious task.

But a new system was proposed to overcome the above drawbacks.

Functionalities and advantages of proposed system are:

* Data is Centralized which has overcome the Sharing problem in previous system.
* Professionals can interact with each other to give a proper judgement on a problem.

# 4 Project Description

When it comes to client satisfaction services, this project can be the most trusted and reliable name in the online solution provider. The most advanced interactive platform offering professional advice from medical experts in regards to any health problems by making full use of information technology to improve the level of our efficiency. However, this is only one aspect of services. And this project continually strives to offer the best of services - both in terms of man and machine, to its clients  
Functionalities and advantages of proposed system are:

* Data is Centralized which has overcome the Sharing problem in previous system.
* As data is Maintained electronically, it’s easy for a person to update the details, which has overcome the tedious updates in previous system.
* Maintenance is easy and performance is good.

## 4.1 Scope of the Work

This project can be used by any professional Doctor who is an established practitioner in his field to publish his research, comment on a topic and to interact with other professionals.

## 4.2 Project Modules

The modules of this project are:

1. Visitor Module
2. Registration Module

## 5 TEST CASES

**5.1.1 AUTHENTICATION**

**5.1.2 Description**

It Authorize a person to be logged in the software.

**5.1.3 Inputs**

Details entered in authentication form like:

* Email id
* Password
* Phone

After entering the details, all the details will be validated from the “javaproject” table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.1.4 Processing**

After entering the details, they will be checked in the database and will be loaded.

**5.1.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.1.6 Test Cases for <Authentication>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Email id | It checks whether the input email have proper validation. It cannot be null. | Mail id provided | Log in successful |
| TC002 | Phone | It identifies the phone number with the help of database. It cannot be null. | Phone number is provided | Login successful |
| TC003 | Password | It checks whether the password matches or not. It cannot be null. | Password is provided | Login successful |

**5.2.1 BLOG**

**5.2.2 Description**

User is able to create a blog to share his opinion on any topic or present his research.

**5.2.3 Inputs**

Details entered in blog are:

**Blog Table**

* Id
* Email id
* Title
* Description
* Image

After entering the details, all the details will be validated from the “javaproject” table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.2.4 Processing**

After entering the details, they will be checked in the database and will be loaded.

**5.2.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.2.6 Test Cases for <Blog>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC002 | Email id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC003 | Title | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Description | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC005 | Image | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

**5.3.1 COMMENT**

**5.3.2 Description**

User is able to write any suggestion.

**5.3.3 Inputs**

Details entered are like:

* Id
* Email id
* Post id
* Comment

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.3.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.3.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.3.6 Test Cases for <Comment>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC002 | Email id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC003 | Post id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Comment | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

**5.4.1 Contact Info**

**5.4.2 Description**

Keep the records of the user.

**5.4.3 Inputs**

Details entered are:

* Email id
* Fax
* Website
* Location
* Address
* Hospital

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.4.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.4.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.4.6 Test Cases for <Contact>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Email id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC002 | Fax | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC003 | Website | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Location | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC005 | Address | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC006 | Hospital | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

**5.5.1 Doctor Info**

**5.5.2 Description**

Keeps the record of the doctors.

**3.5.3 Inputs**

* Email id
* Full name
* Age
* Expertise
* Degree
* Medical registration
* Verified
* Experience
* Description
* Profile image

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.5.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.5.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.5.6 Test Cases for <Doctor info>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Email id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC002 | Full name | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC003 | Age | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Expertise | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC005 | Degree | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC006 | Medical registration | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC007 | Verified | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC008 | Experience | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC009 | Description | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC010 | Profile image | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

**5.6.1 Followers**

**5.6.2 Description**

Tracks the followers and their record.

**5.6.3 Inputs**

Details entered are:

* Id
* Email
* Following Email id
* Created at

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.6.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.6.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.6.6 Test Cases for <Follower>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC002 | Email | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC003 | Following Email id | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Created at | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

**5.7.1 USER**

**5.7.2 Description**

User is responsible for the creation and maintenance of the accounts to the system.

**5.7.3 Inputs**

Details entered by user in login form like:

* Email id
* Full Name

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.7.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.7.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.7.6 Test Cases for <User>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Email id | Checks the database and find for the correct entry to start the next process. | Provided | Login successful |
| TC002 | Full Name | Checks the database and find for the correct entry to start the next process. | Provided | Login successful |

**5.8.1 Message**

**5.8.2 Description**

Sending and receiving message and keeping their records.

**5.8.3 Inputs**

Details entered by user in login form like:

* Id
* Email id
* Recipient
* Message
* Reply

After entering the details, all the details will be validated from the table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

**5.8.4 Processing**

After entering the user name and password, they will be checked in the database admin panel will be loaded.

**5.8.5 Error Handling**

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

**5.8.6 Test Cases for <Message>**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Title** | **Test Case Description** | **Pre-condition, if any** | **Expected Results** |
| TC001 | Id | Checks the database and find for the correct entry to start the next process. | Provided | Login successful |
| TC002 | Email id | Checks the database and find for the correct entry to start the next process. | Provided | Login successful |
| TC003 | Recipient | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC004 | Message | Checks the database and find for the correct entry to start the next process. | provided | Login successful |
| TC005 | Reply | Checks the database and find for the correct entry to start the next process. | provided | Login successful |

# Implementation Methodology

After entering the details, all the details will be validated from the javaproject table in the database. If the details are correct then the user is redirected to a page to perform all functionality.

If an error occurs, the dialog box will display a message which contains the type of error and a way to resolve it.

# Technologies to be used

## Software Platform

1. **Front-end:-** Netbeans

Glassfish server

1. **Back-end:-** MySQL Server

Xampp

## Hardware Platform

* Intel i-3 Core processor and above.
* Ram 2 GB and above.
* HDD 20 GB Hard Disk and above.

# Advantages of this Project

* This system allows users to login into the system which is password protected and hence, prevents any unauthorized access.
* The user can view the manage his details and manage them accordingly.
* Provide the detailed diagnosis of the problem and give its solution.
* Less time consuming.
* User Friendly.
* Good platform to share research among professional practitioner.

# Future Scope and further enhancement of the Project

Every Edition of an book comes with new topics and modifications if any errors are present. In the similar way, in near future ,our software will overcome the flaws if occurred, and attains new features offered to customers.

Following are the Enhancements to the application.

* Providing Good User Interface.
* Providing best solutions for medical conditions.

# Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Abbreviation** | **Description** |
| Doctor | The name of the Project. |
| Admin | Administrator. |
| SQL | Sequence Query Language. |

# Conclusion

This is a Web application and it is restricted to only limited type of users. In this application, admin have been given access rights and they are restricted up to their functionalities, so that the data is maintained securely and redundant data is prevented. As the Data is stored electronically, it is necessary to have a Computer and Network connection to access the Application. Here the Details of Users, Drivers and cabs are maintained and accounts to these are created. using this application admin do assign cabs to drivers and users.

# References

* **FOR JAVA**

Core java™, volume 1Writer:-Cay S. Horstman

Java concurrency in practice Writer:-Brian Goetz

* **FOR SQL**

www.msdn.microsoft.com

**Annexure A**

**Data Flow Diagram (DFD)**

**(Mandatory)**

Level 0 Diagram :

Valid id &

password

Professional

Blog/Message

invalid id &

password

DFD 1 level diagram:

Edit Profile

User

Followers/Following

Message

Search Professional

Create Blog

Javasproject

**Annexure B**

**Entity Relationship Diagram (E-R diagram)**

USER

Follow

Create

Connect

Search

Followers

Message

Professional

Blog

**Annexure C**

**Use-Case Diagram (UCD)**



**USER**

**Annexure D**

**Data Dictionary (DD)**

**(Mandatory)**

**Authentication info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sno** | **Columnname** | **Datatype** | **Constraint** |
| **1** | **Email id** | **varchar(50)** | **Not null** |
| **2** | **Phone** | **varchar(15)** | **Allow null** |
| **3** | **Password** | **varchar(200)** | **Not null** |
| **4** | **Created at** | **Timestamp** | **Not Null** |

**Blogs Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no.** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Id** | **Int(11)** | **Primary Key** |
| **2** | **Email id** | **varchar(100)** | **Not null** |
| **3** | **Title** | **varchar(200)** | **Not null** |
| **4** | **Description** | **Text** | **not null** |
| **5** | **Image** | **varchar(200)** | **Allow null** |
| **6** | **Created at** | **Timestamp** | **Not Null** |

**Comments table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no.** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Id** | **int(11)** | **Primary key** |
| **2** | **Email id** | **varchar(50)** | **Not null** |
| **3** | **Post id** | **int(11)** | **Not null** |
| **4** | **Comment** | **Text** | **Not null** |
| **5** | **Created at** | **Timestamp** | **Not null** |

**Contact info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no.** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Email id** | **varchar(50)** | **Primary key** |
| **2** | **Fax** | **varchar(15)** | **Allow null** |
| **3** | **Website** | **varchar(200)** | **Allow null** |
| **4** | **Location** | **Varchar(200)** | **allow null** |
| **5** | **Address** | **varchar(300)** | **allow null** |
| **6** | **Hospital** | **varchar(200)** | **allow null** |

**Doctor info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no.** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Email id** | **Varchar(50)** | **Not null** |
| **2** | **Full name** | **varchar(50)** | **Not null** |
| **3** | **Age** | **Int(11)** | **Allow null** |
| **4** | **Expertise** | **Varchar(200)** | **allow null** |
| **5** | **Degree** | **varchar(300)** | **Allow null** |
| **6** | **Medical registration**  **Verified** | **int(11)** | **allow null** |
| **7** | **Experience** | **double(300)** | **allow null** |
| **8** | **Description** | **varchar(10000)** | **Allow null** |
| **9** | **Profile image** | **Varchar(300)** | **Allow null** |

**Followers table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no.** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Id** | **Int(11)** | **Not null** |
| **2** | **Email** | **varchar(100)** | **Not NULL** |
| **3** | **Following Email id** | **varchar(100)** | **Not null** |
| **4** | **Created at** | **Timestamp** | **Not NULL** |

**User info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sno** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Email id** | **varchar(50)** | **Not null** |
| **2** | **Full Name** | **varchar(50)** | **Not Null** |

**Message**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sno** | **Column name** | **Datatype** | **Constraint** |
| **1** | **Id** | **int(11)** | **Not null** |
| **2** | **Email id** | **varchar(50)** | **Not Null** |
| **3** | **Recipient** | **varchar(50)** | **Not null** |
| **4** | **Message** | **Text** | **Not null** |
| **5** | **Reply** | **int(11)** | **Not Null** |
| **6** | **Created at** | **timestamp** | **Not Null** |

**Annexure E**

**Screen Shots**

