

# Do Connect

Batch – C3  
Group -5

Under the Guidance of:  
Mr. Javeed Mohammed  
Husnuddin

**Presentation by:**

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# Problem Statement

DoConnect is a popular question and answer platform in which technical questions will be asked and answered.

There are two users on the application:

1. User
2. Admin

# Objectives

- DoConnect helps people find the answers they need, It is known for our public Q&A platform where the people ask questions, learn, and share technical knowledge.
- DoConnect 's main objective is to help the people looking for answers to technical-specific questions. An registered user can access the content on DoConnect, where the questions will be posted by various users will be cleared by various knowledged peers.

# Introduction

- DoConnect is a Q&A website for professional and enthusiast programmers
- The website serves as a platform for users to ask and answer questions, in a fashion similar to a Stack Overflow or Quora.
- DoConnect accepts questions about various technical aspects that are focused on a specific problem.

# Functional Requirement

## User Stories:

- Login, register and logout into the application
- Ask questions under any topic
- Search the questions on any string written in search box
- Answer any question asked
- Chat with other users

# Functional Requirement

## **Admin Stories:**

- Login, register and logout into the application.
- Get mail as soon as any new question is asked or any answers given.
- Approve the question and answer.
- Any question or answer will be visible on the platform only if it is approved.
- Delete inappropriate questions or answers.

# System Specifications

## Software Requirements -

- Visual StudioCode
- Eclipse IDE and Spring tool Suite
- Mysql Workbench

## Hardware Requirements -

- Operating System :Windows 7 or above
- Processor :Intel i3 or i5
- Ram :2Gb or above
- Hard Disk: 5Gb of free disk space or more

# Technologies Used

## **Frontend:**

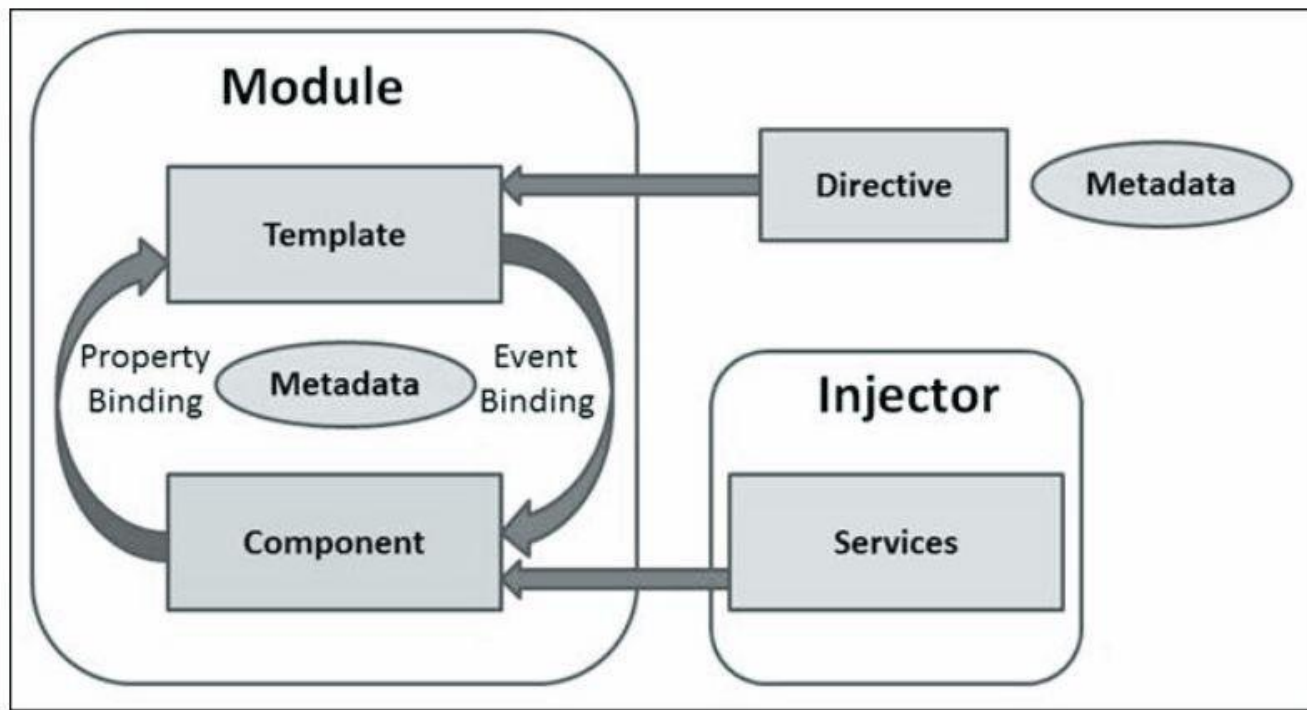
- Angular
- Bootstrap
- TypeScript
- CSS
- HTML
- Material UI

## **Backend:**

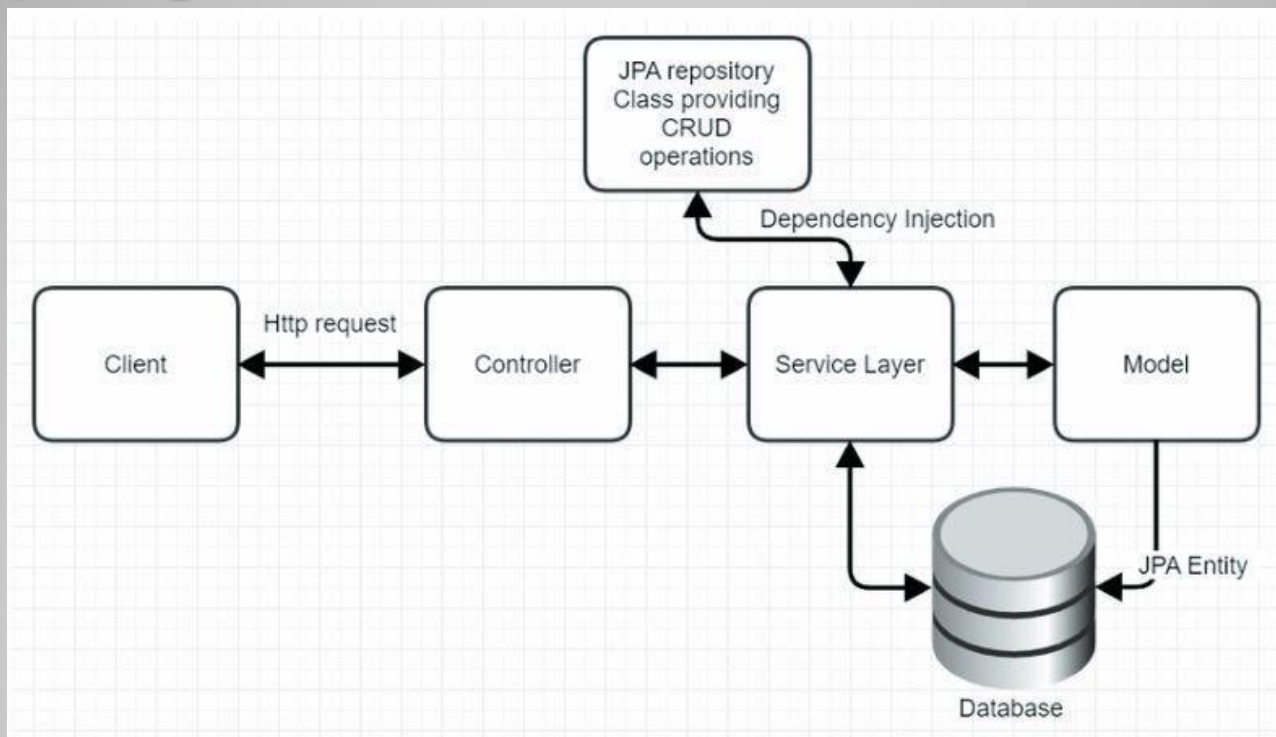
- Spring boot
- Spring Data Jpa
- Java
- MySql Database



# Angular Architecture



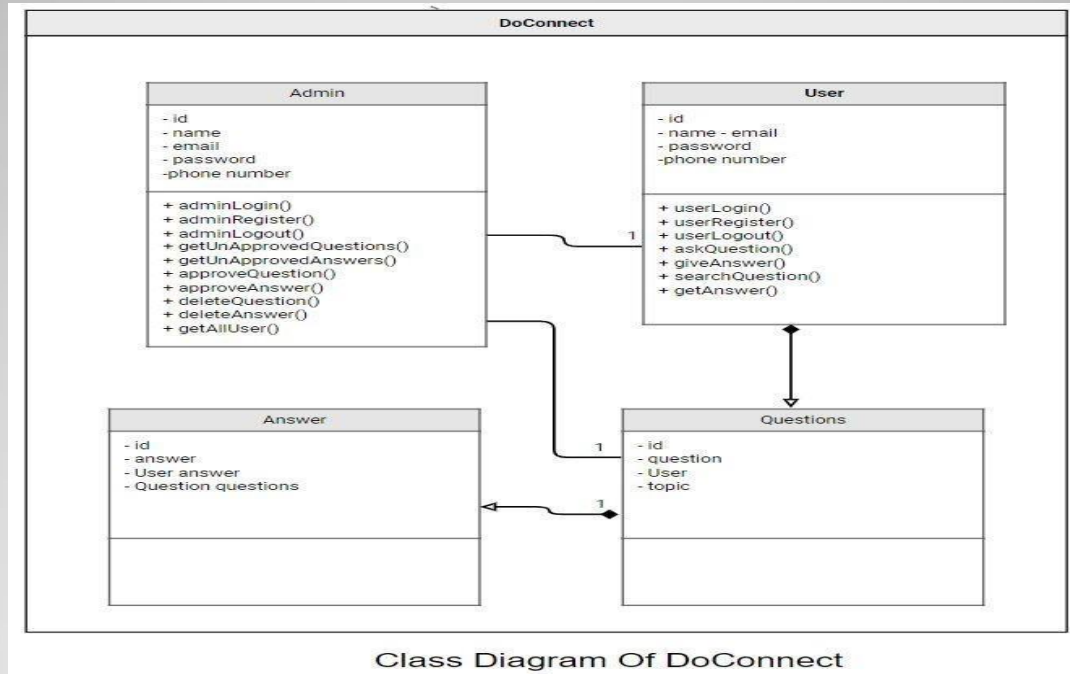
# Spring Boot Architecture



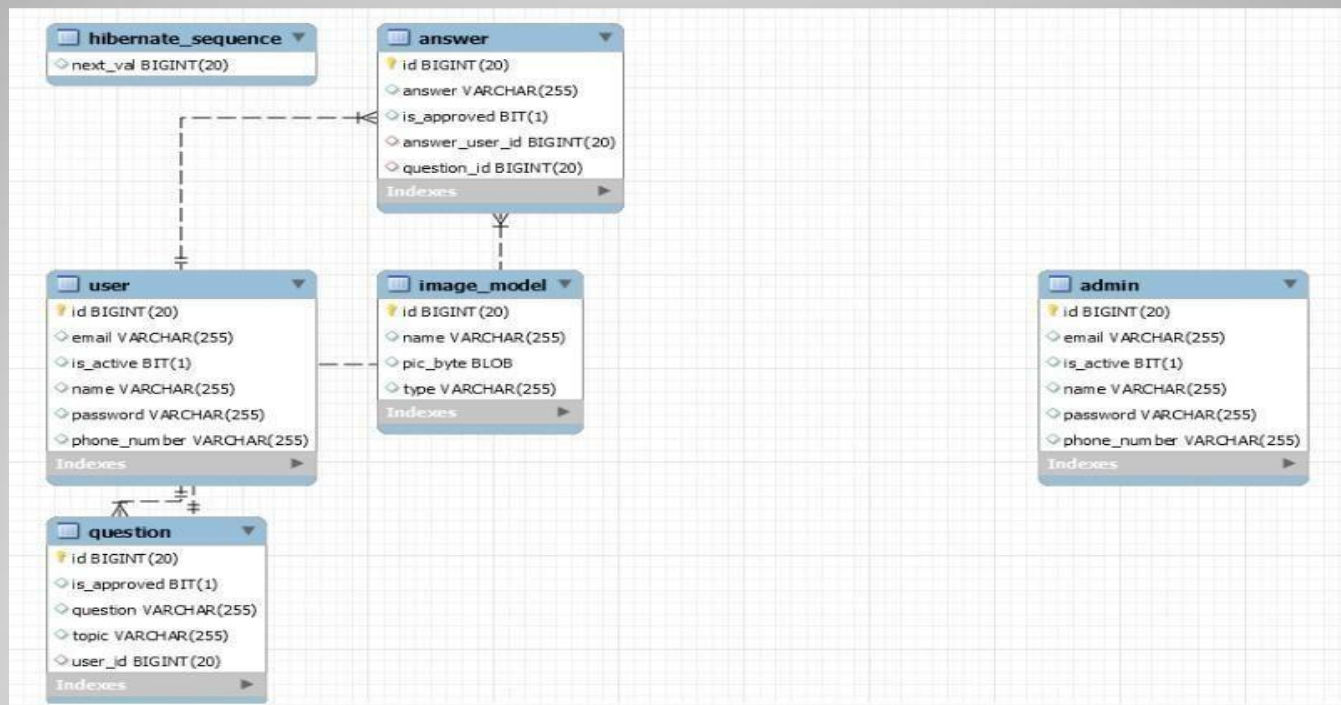
# Modeling Requirements

- ER Diagram
- Class Diagram
- Use Case Diagram

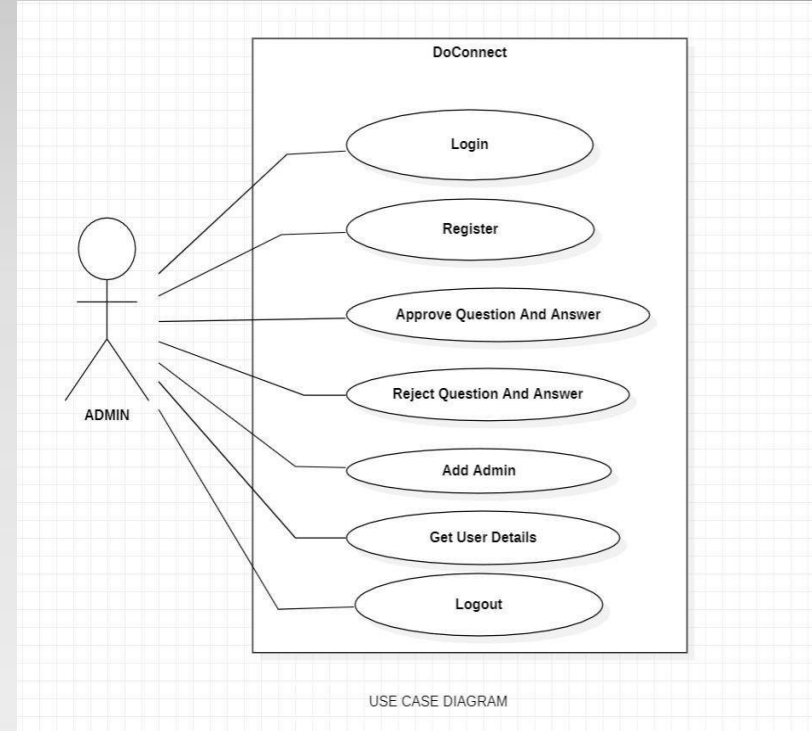
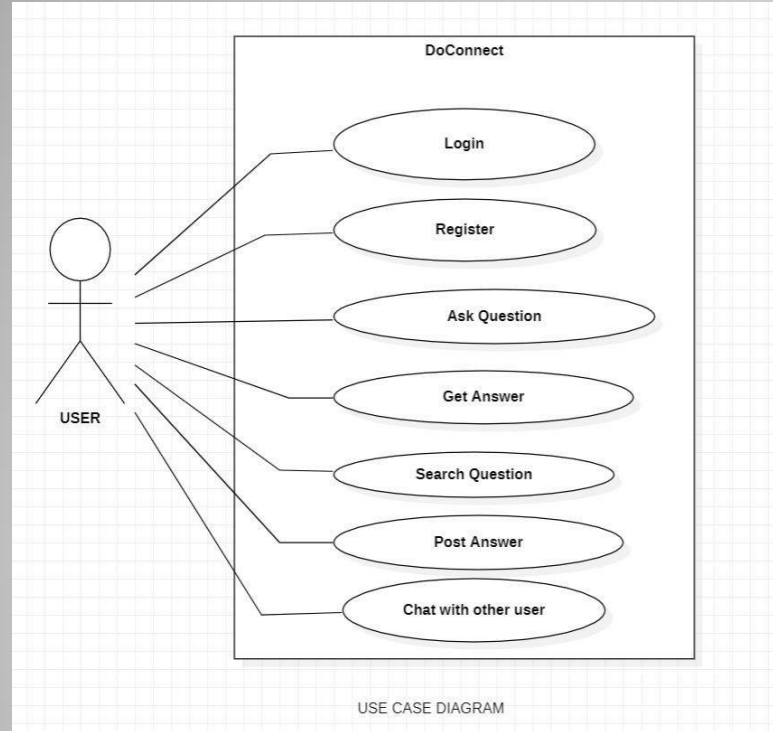
# CLASS DIAGRAM



# ER DIAGRAM



# USE CASE DIAGRAM



# Frontend Structure

Visual Studio Code interface showing the frontend structure of a DoConnect application.

**Explorer Sidebar:**

- DOCONNECT\_FRONTEND
  - .angular
  - node\_modules
  - src
    - app
      - admin
      - admin-login
      - admin-register
      - all-questions
      - ask-question
      - chat
      - footer
      - get-answer
      - home
        - # home.comp... U
        - <> home.comp... U
        - TS home.comp... U
        - TS home.comp... U
      - login
      - nav-bar
      - register
      - user
    - admin.service.... U
    - admin.service.ts U
    - TS admin.enar.te... U

**Main Editor (home.component.html):**

```
1  <body>
2
3  <div class="home">
4    <h1 class="d-flex justify-content-md-center ">WELCOME TO DOCONNECT</h1>
5  </div>
6
7  <div class="quote">
8    <h3 class="d-flex justify-content-md-center ">ASKING</h3>
9    <h3 class="d-flex justify-content-md-center ">QUESTIONS IS</h3>
10   <h3 class="d-flex justify-content-md-center ">THE FIRST WAY</h3>
11   <h3 class="d-flex justify-content-md-center ">TO BEGIN</h3>
12   <h3 class="d-flex justify-content-md-center ">CHANGE.....</h3>
13 </div>
14
15 <div class="flex--button d-flex justify-content-center">
16   <a routerLink="/login" routerLinkActive="active" ariaCurrentWhenActive="page">
17     <button type="submit" class="btn3 btn btn-primary">Get Start</button>
18   </a>
19 </div>
```

**Terminal:**

```
3 unchanged chunks
Build at: 2022-08-30T09:36:08.484Z - Hash: 4efaa8338f8bf6a6 - Time: 259ms
✓ Compiled successfully.
```

# Backend Structure

The screenshot displays the Eclipse IDE interface for a Spring Boot application. The Project Explorer on the left shows the package structure for 'DoConnect\_Backend' [boot] [devtools] [capstone m]. The main editor shows the 'DoConnectBackendApplication.java' file, which is a Spring Boot application with a main method and a RestTemplate bean. The Console at the bottom shows the application's startup logs.

```
capstone - DoConnect_Backend/src/main/java/com/wipro/gl/doconnect/DoConnectBackendApplication.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer
  DoConnect_Backend [boot] [devtools] [capstone m]
    src/main/java
      com.wipro.gl.doconnect
      com.wipro.gl.doconnect.controller
      com.wipro.gl.doconnect.dto
      com.wipro.gl.doconnect.entity
      com.wipro.gl.doconnect.exceptions
      com.wipro.gl.doconnect.repository
      com.wipro.gl.doconnect.service
      com.wipro.gl.doconnect.vo
    src/main/resources
    src/test/java
    JRE System Library [JavaSE-17]
    Maven Dependencies
    bin
    src
    target
    HELP.md
    mvnw
    mvnw.cmd
    pom.xml
  DoConnectChatService (in ChatService) [boot] [devto]

DoConnectBackendApplication.java
1 package com.wipro.gl.doconnect;
2
3 import org.springframework.boot.SpringApplication;
4
5 /*
6  * Author : B. Surya Mouli
7  * Modified date : 24-08-2022
8  * Description : Spring application is initialized
9  */
10
11 @SpringBootApplication
12 public class DoConnectBackendApplication {
13
14     public static void main(String[] args) {
15         SpringApplication.run(DoConnectBackendApplication.class, args);
16     }
17
18     @Bean
19     RestTemplate getRestTemplate() {
20         return new RestTemplate();
21     }
22 }

Console
DoConnect_Backend - DoConnectBackendApplication [Spring Boot App] D:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.17.0.1.v20211116-1657\jre\bin\jav
2022-08-30 15:04:14.542 INFO 8856 --- [ restartedMain] o.s.b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint(s) bene
2022-08-30 15:04:14.599 INFO 8856 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s):
2022-08-30 15:04:14.614 INFO 8856 --- [ restartedMain] c.w.g.d.DoConnectBackendApplication : Started DoConnectBackendApp
2022-08-30 15:04:15.915 INFO 8856 --- [on(3)-127.0.0.1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring Dispatc
2022-08-30 15:04:15.915 INFO 8856 --- [on(3)-127.0.0.1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispa
2022-08-30 15:04:15.917 INFO 8856 --- [on(3)-127.0.0.1] o.s.web.servlet.DispatcherServlet : Completed initialization in
```



# Project Screenshot

**Do Connect**

Search

Logout

Type your Question...

Choose Topic

Enter your question.

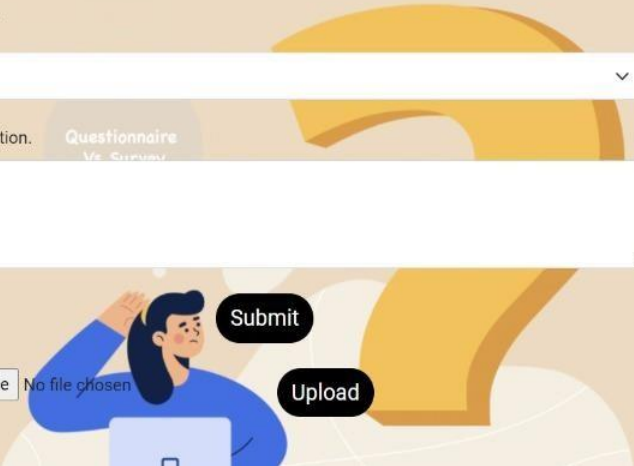
Questionnaire

Submit

Choose File

No file chosen

Upload



Ask Questions

# Project Screenshot

Do Connect

Logout

Question	Topic	Answer	Answered by
what are oops concepts supported for C++?	C++	Class, Objects, Encapsulation, Abstraction , Polymorphism, Inheritance, Dynamic Binding, Message Passing	krishna chaitanya

Write your answer

Submit answer

DO CONNECT

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Get-Answer Page

# Project Screenshot

**Do Connect**

Search

Logout

Welcome, **Surya Mouli**

Post Question

All ▾

Question	Posted By	Topic	Get Answers
what is python?	surya mouli	Python	<a href="#">Get Answers</a>
what is python?	surya mouli	Python	<a href="#">Get Answers</a>
what is a key	surya mouli	DBMS	<a href="#">Get Answers</a>
what is a key	surya mouli	DBMS	<a href="#">Get Answers</a>

Get-Question Page

# Project Screenshot

The screenshot displays a web application interface for a chat system. The main content area has a dark gray background. At the top, a black bar contains the text "Do Connect". Below this, a large "Welcome, Krishna Chaitanya" message is shown in a serif font. Underneath the welcome message is a blue button labeled "Choose Topic" with a downward arrow. A table with two columns, "Question" and "Posted By", is partially visible. To the left of the table is a blue circular button labeled "Chat". At the bottom of the main area, a black bar contains the text "DO CONNECT", followed by links for "About Us" and "Help". On the right side, a light blue sidebar contains a chat log with messages from users "surya", "abhinav", and "krishna". The messages are "ko", "hello", "hi", "hi", "hi", "hello", and "hii". At the bottom of the sidebar is a text input field labeled "Enter message" and a blue "Send" button.

Do Connect

Welcome, Krishna Chaitanya

Choose Topic ▾

Question	Posted By
----------	-----------

Chat

DO CONNECT

[About Us](#)

[Help](#)

surya  
ko

surya  
hello

surya  
hi

surya  
hi

surya  
hi

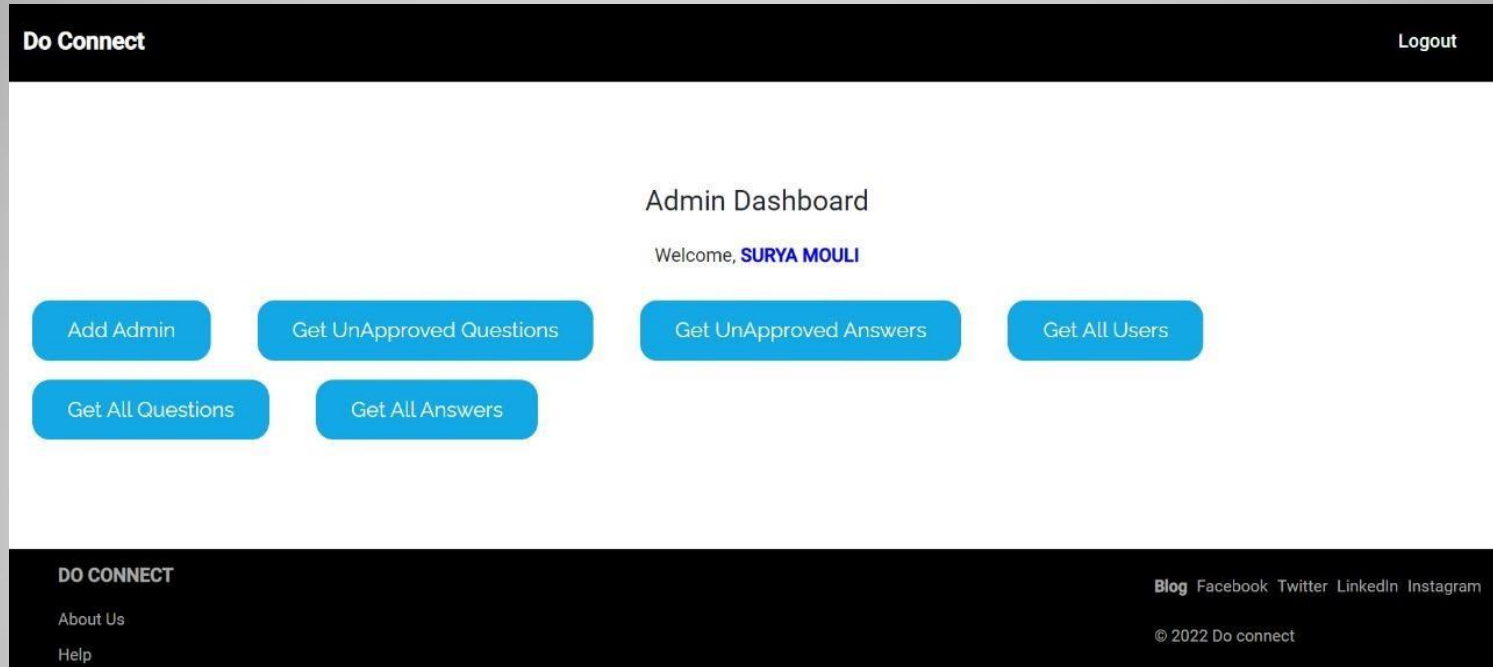
abhinav  
hello

krishna  
hii

Enter message Send

ChatBox Page

# Project Screenshot



Admin Dashboard Page

# Conclusion

- Hence, we conclude that we have created a web application with the usage of various technical aspects successfully with the requirements mentioned in the given case study.

**Thank you !**