

# **E-DIARY WEB APPLICATION**

*A project report submitted in partial fulfillment of the requirement for degree of*

## **BACHELOR OF TECHNOLOGY**

**In**

## **COMPUTER SCIENCE & ENGINEERING**

**By**

**C.PUJITHA(R170162)**

**G.GAYATHRI(R170204)**

**C.SAI LAHARI(R170208)**

Under the guidance of

**Mr.K.Vinod Kumar**

Asst.Prof. In Department of Computer Science & Engineering



AP IIIT, RGUKT-RK Valley,  
Vempalli, Kadapa(Dist), Andhra Pradesh-516330, India  
September 2022-February 2023



**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE  
TECHNOLOGIES**

(A.P.Government Act 18 of 2008)

RGUKT-RK Valley

**Vempalli,Kadapa,Andhrapradesh-516330.**

**CERTIFICATE OF EXAMINATION**

This is to certify that we have examined the thesis entitled **E-DIARY WEB APPLICATION** submitted C.Pujitha(R170162),G.Gayathri(R170204) and C.Sai Lahari(R170208) hereby accord my approval of it as a study carried out and presented in a manner required for its acceptance in partial fulfillment for the award of Bachelor of Technology degree for which it has been submitted. This approval does not necessarily endorse or accept every statement made , opinion expressed or conclusions drawn, as recorded in this thesis.It only signifies the acceptance of this thesis for the purpose for which it has been submitted.

**EXAMINER**



**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE  
TECHNOLOGIES**

(A.P.Government Act 18 of 2008)

RGUKT-RK Valley

**Vempalli,Kadapa,Andhrapradesh-516330.**

**CERTIFICATE OF PROJECT COMPLETION**

This is to certify that we have examined the thesis entitled **E-Diary web application** submitted by C.Pujitha(R170162), G.Gayathri(R170204) and C.Sai Lahari (R170208) under our guidance and supervision for the partial fulfillment for the degree of Bachelor of Technology in Computer Science and Engineering during the academic session at RGUKT-RK Valley.

To the best of my knowledge , the results embodied in this dissertation work have not been submitted to any university or institute for the award of any degree or diploma.

Mr.N.Satyanandaram,  
Asst.Prof. In Computer Science & Engg,  
Head of the Department,  
RGUKT-RK Valley.

Mr.K.Vinod Kumar,  
Lecturer in computer science & Engg,  
RGUKT-RK Valley.



# **RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES**

**(A.P.Government Act 18 of 2008)**

**RGUKT-RK Valley**

**Vempalli,Kadapa,Andhrapradesh-516330.**

## **DECLARATION**

We, C.PUJITHA(R170162) , G.Gayathri(R170204) and C.Sai Lahari (R170208) here by declare that the project report entitled “E-DIARY WEB APPLICATION” done by is under guidance of Mr.K.Vinod Kumar is submitted in partial fulfillment for the degree of Bachelor of Technology in Computer Science and Engineering during the academic session September 2022 – February 2023 at RGUKT RK Valley. we also declare that this project is a result of our own effort and has not been copied or imitated from any source. Citations from any websites are mentioned in the references. To the best of my knowledge , the results embodied in this dissertation work have not been submitted to any university or institute for the award of any degree or diploma.

C.Pujitha(R170162)  
G.Gayathri(R170204)  
C.Sai Lahari(R170208)

## ACKNOWLEDGEMENT

I would like to express our deep sense of gratitude & respect to all those people behind the screen who guided, inspired and helped us crown all our efforts with success. We wish to express our gratitude to Mr.K.Vinod Kumar for his valuable guidance at all stages of study, advice, constructive suggestions, supportive attitude and continuous encouragement, without which it would not be possible to complete this project.

I would also like to extend our deepest gratitude & reverence to the Director of RGUKT, RK Valley **Prof.K.Sandhyarani** and HOD of Computer Science and Engineering **Mr.N.Satyanandaram** for their constant support and encouragement.

Last but not least I express our gratitude to our parents for their constant source of encouragement and inspiration for us to keep our morals high.

# Table of Contents

- 1.INTRODUCTION ..... 8
  - 1.1 Purpose ..... 8
  - 1.2 Document Conventions..... 8
  - 1.3 Scope ..... 8
  - 1.4 Definition, Acronyms, Abbreviations ..... 8
  - 1.4 Intended Audience and Reading Suggestions ..... 8
  - 1.5 References..... 9
- 2. OVERALL DESCRIPTION ..... 9
  - 2.1 Product Perspective ..... 9
  - 2.2 Product Functions ..... 9
  - 2.3 Operating Environment..... 9
  - 2.4 Assumptions & Dependencies ..... 9
  - 2.5 Software Requirements ..... 9
  - 2.6 Hardware Requirements ..... 10
- 3 SOFTWARE REQUIREMENT SPECIFICATION ..... 10
  - 3.1 Functional Requirements ..... 10
  - 3.2 Non-Functional Requirements ..... 10
  - 3.3 Methodology ..... 10
  - 3.4 Software Requirement Analysis ..... 10
- 4 SYSTEM DESIGN ..... 11
  - 4.1 DFD Diagram .....12-14
  - 4.2 ER Diagram ..... 15
  - 4.3 UML Diagrams ..... 17
- 5 INTERFACE ..... 23
- 6 OUTPUT ..... 23-27

## **Abstract:**

This project entitled as E-Diary web application is a website, that allows user to connect his soul by encouraging daily website that helps to record his feelings and thoughts on certain events in their life.

The main aim of this website is to provide the user an easy convenient dairy writing experience at the tips of his/her fingers.

Also it provides the user with certain additional features like website security,to avoid any intrusion into his/her thoughts.This E-Diary web application can protect the user personal information of user efficiency.

The messages entered by the user can be recorded and retrieved at anytime by the user and also it can be accessed from any where.

# 1.INTRODUCTION

E-DIARY WEB APLPLICATION allows user to login into this website by giving his/her credentials to write their daily stories get recorded in their particular account that they have created.

The existed account users can daily share their feelings and thoughts and those get saved with particular dates and titles.

Users will login into the website and home page of the website will be displayed.In order to access the dashboard of their individual accounts,users have to give sign in details.If he/she is new to the website he/she has to give their credentials to login into the dashboard.

After get login into the dashboard,user can share their thoughts and feelings in the form of words in our website.He/she can modify the existing writings of them.

## 1.1 Purpose

The purpose of this project is to write their thoughts and feelings through the application and can retrieve their writings at any time they want.

## 1.2 Document Conventions

FONT	STYLE	SIZE
Heading 1 (Cambria)	Heading ( <b>Bold</b> )	Heading(14)
Subheading(Cambria)	Subheading (Bold)	Subheading(13)
Others (Calibri) Body	Others (Normal)	Others (13)

## 1.3 Scope

The E-Diary web application contains the major scope of

- 1)Users can write as much fast as it is developed using react JS
- 2)The application’s user interface is attractive due to usage of daisy UI.
- 3)Users need to enter his//her credentials to login to dashbooard of web-application.
- 4)The styling of the web application is done by tailwind css.

## 1.4 Defintion,Acronyms,Abbreviations



# 1.INTRODUCTION

E-DIARY WEB APLPLICATION allows user to login into this website by giving his/her credentials to write their daily stories get recorded in their particular account that they have created.

The existed account users can daily share their feelings and thoughts and those get saved with particular dates and titles.

Users will login into the website and home page of the website will be displayed.In order to access the dashboard of their individual accounts,users have to give sign in details.If he/she is new to the website he/she has to give their credentials to login into the dashboard.

After get login into the dashboard,user can share their thoughts and feelings in the form of words in our website.He/she can modify the existing writings of them.

## 1.1 Purpose

The purpose of this project is to write their thoughts and feelings through the application and can retrieve their writings at any time they want.

## 1.2 Document Conventions

FONT	STYLE	SIZE
Heading 1 (Cambria)	Heading ( <b>Bold</b> )	Heading(14)
Subheading(Cambria)	Subheading (Bold)	Subheading(13)
Others (Calibri) Body	Others (Normal)	Others (13)

## 1.3 Scope

- The E-Diary web application contains the major scope of
- 1)Users can write as much fast as it is developed using react JS
  - 2)The application’s user interface is attractive due to usage of tailwind css.
  - 3)Users need to enter his//her credentials to login to dashbooard of web-application.

## 1.4 Defintion,Acronyms,Abbreviations

React JS : It is a javascript library with declarative features  
CSS : Tailwind Cascading Style Sheets  
CFD : Context Flow Diagram  
ER : Entity Relationship  
SRS : Software Requirement Specification  
UI :Daisy UI  
Database :Mango DB

#### 1.4 References

The needed requirements for this website has been taken from

<https://daisyui.com>

<https://tailwindcss.com>

<https://react.dev>

<https://www.mongodb.com>

## 2.OVERALL DESCRIPTION

### 2.1 Product Perspective

E-Diary web application provides user an easy diary writing experince.so this web application can protect the user Personal information.

### 2.2 Product Functions

- Shows recorded writings of users only to them.
- Can retrieve the personal information at anytime.
- Can modify the writings.

### 2.3 Operating Enviroment

- All operating systems
- All browsers

### 2.4 Assumptions & Dependencies

One aaumption is that the E-Dairy web application is used on a computer with enough peformance ability, and the use of an up-to-date internet browser.

### 2.5 Software Requirements

Scripting Languages

1)TAILWIND CSS

- 2)React JS
- 3)Daisy UI
- 4)MangoDB

## 2.6 Hardware Requirements

A computer system/ laptop with basic configuration.

## 3 SOFTWARE REQUIREMENT SPECIFICATION

Software Requirement Specification is a description of full software system requirements. Software Requirement Specification describes the behaviour of software from user's point of view. The specified requirements are shown in following table based on module. The functional requirements and non-functional requirements are following:

### 3.1 Non-Functional Requirements

a) Availability:

The website is available for 24 hours a day. It is always available for user to contact via email or phonenumber.

b) Usability:

It has good graphical user interface. It is user friendly. So user feel easy to use.

c) Efficiency:

It is efficient for all user. Because it is easy to use and easy to understand. It has simple way of work that user want to do.

### 3.2 Methodology

This project will follow Incremental Model. This model is split into several iterations. New software modules are added in each iteration with no or little change in earlier added modules. The development process can go either sequentially or parallel.

### 3.3 Software Requirement Analysis

Software requirement analysis is important part of our project. If requirement of project is clear then a project can be done easily. Our objectives for software requirement are:

### 3.4 Objective/Goals

- User can report any complaint through email or phone number.
- Admin can know everything.

## **Design Introduction:**

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities – design, coding, implementation and testing that are required to build and verify the software.

## **DFD diagrams:**

DFD Level-0 is also called a Context diagram. It's a basic overview of the whole system or process being analyzed or modeled. It's designed to be an at-a-glance view showing the system as a single high level process with its relationship to external entities.

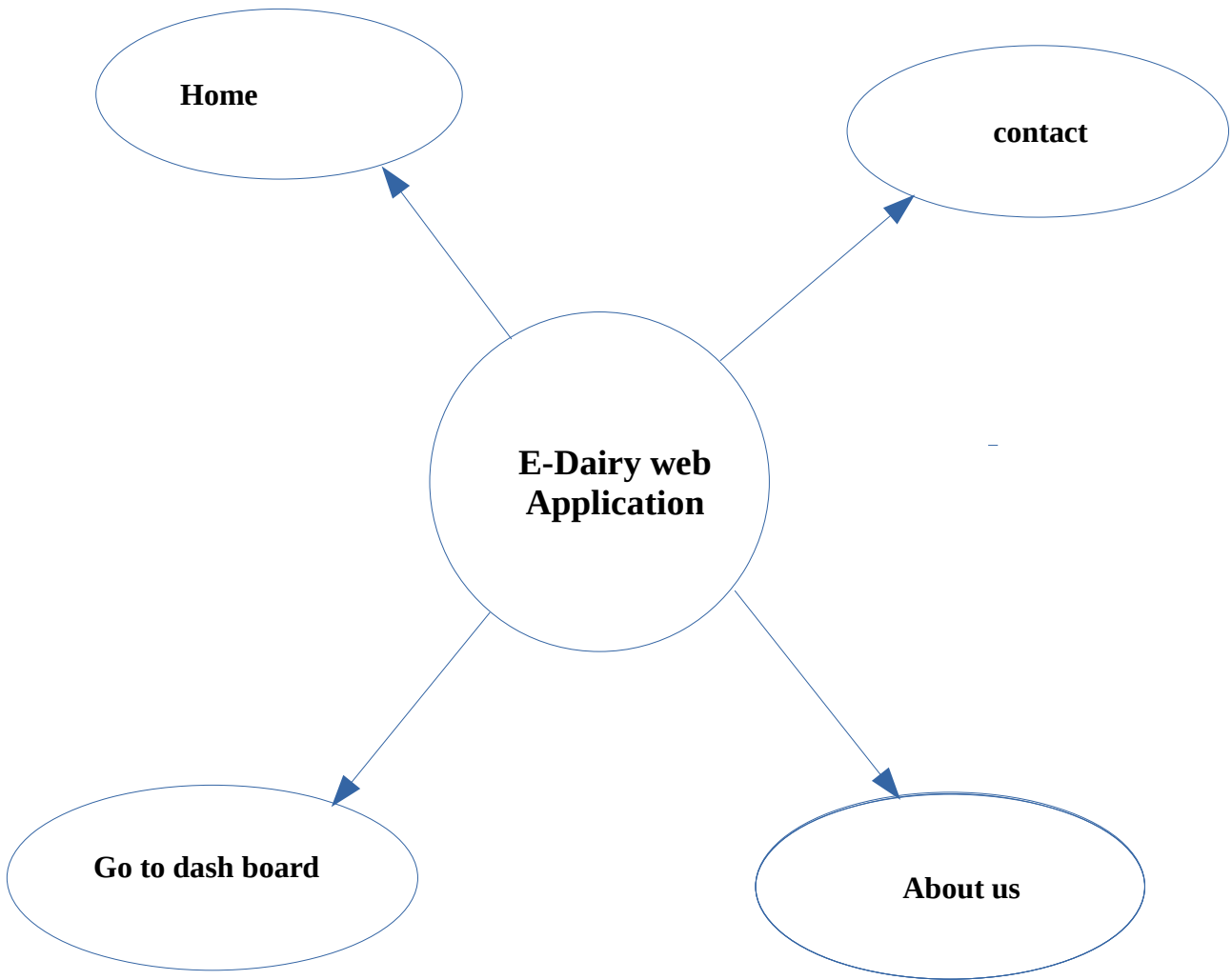
## **1-Level DFD:**

In 1-Level DFD, the context diagram is decomposed into multiple bubbles/processes. In this level, we highlight the main functions of the system and breakdown the high level process of 0-level DFD into subprocesses.

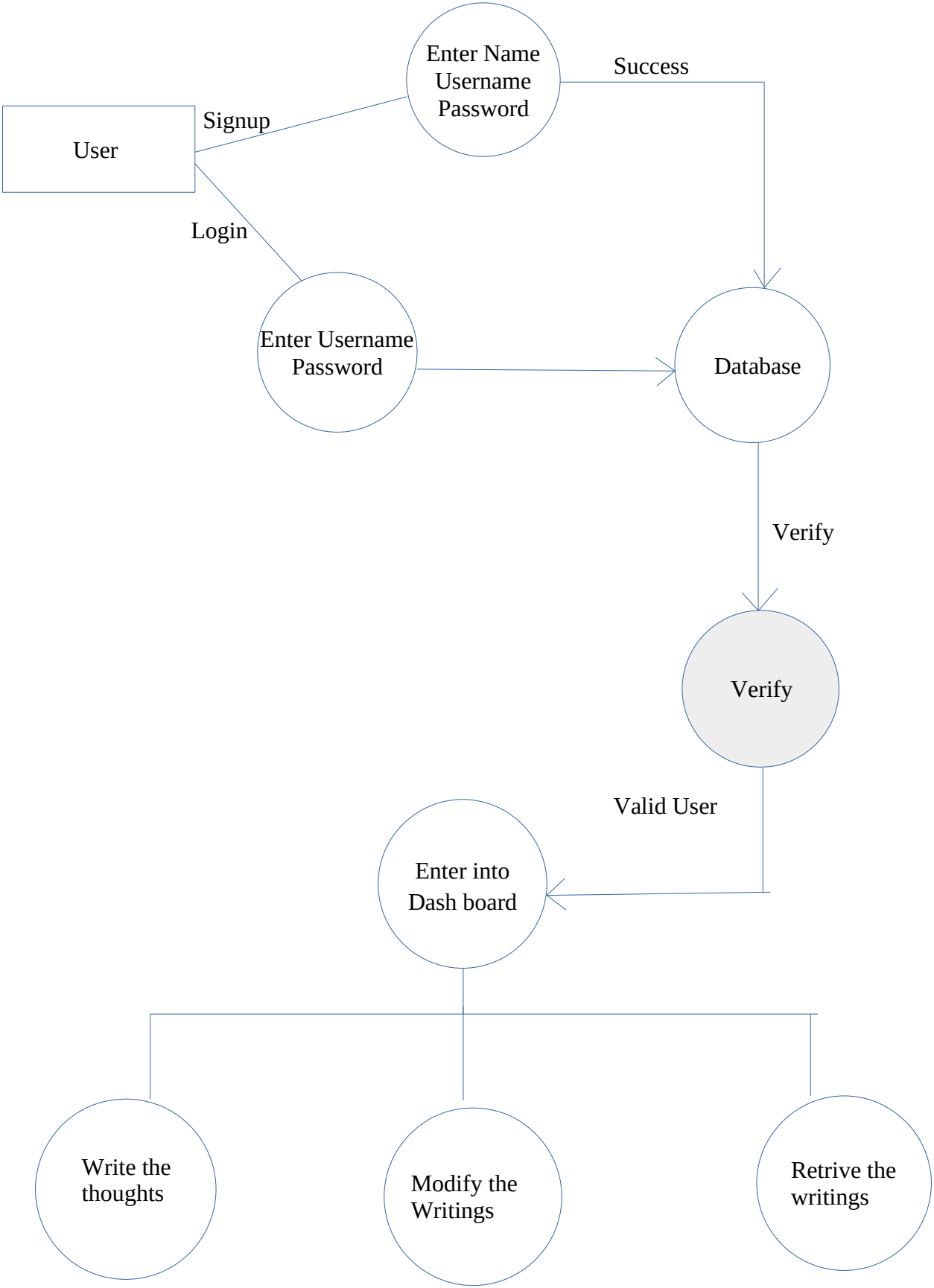
# 4 SYSTEM DESIGN

## 4.1 DFD Diagram

### Zero Level DFD

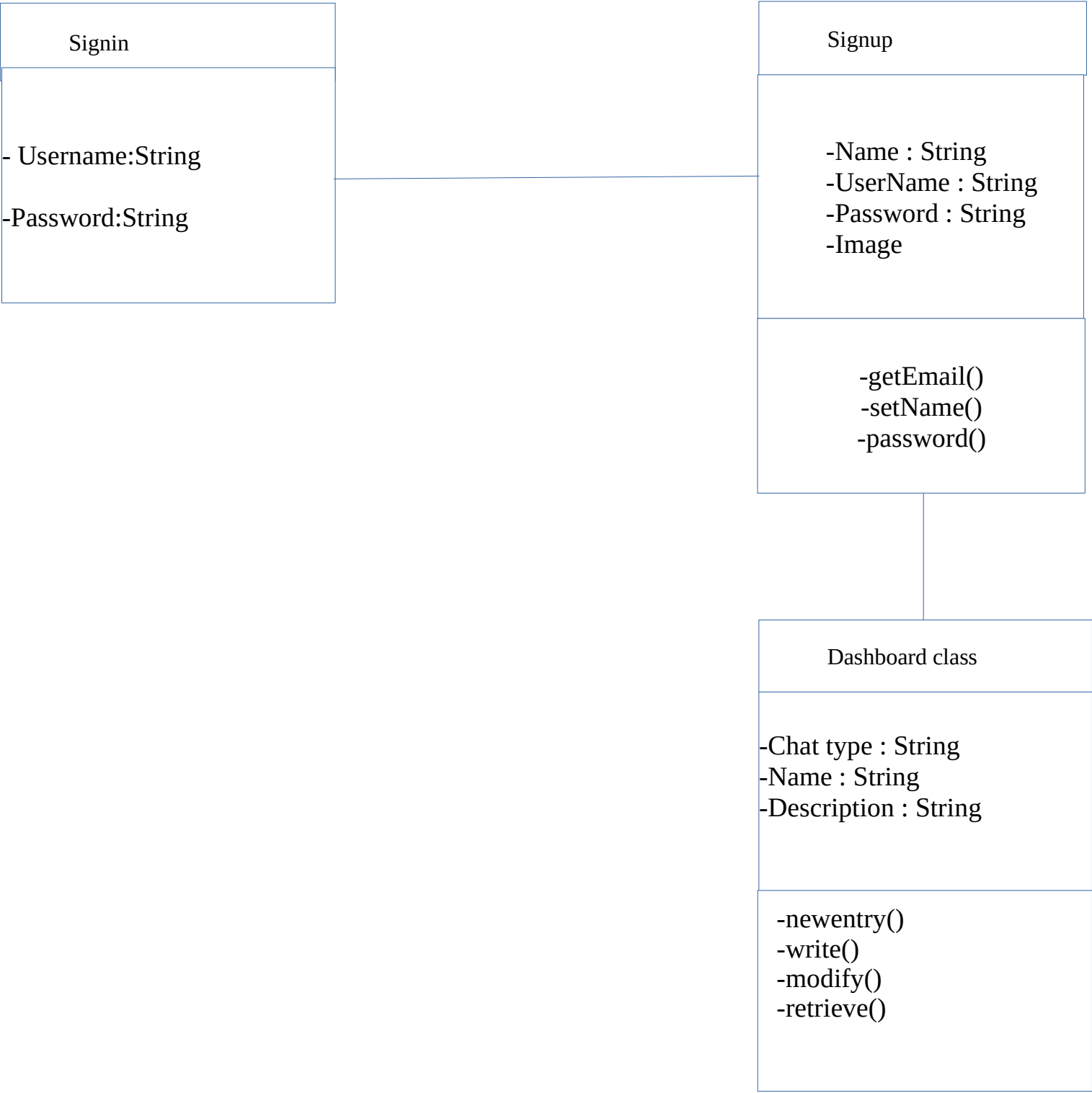


**First Level DFD**



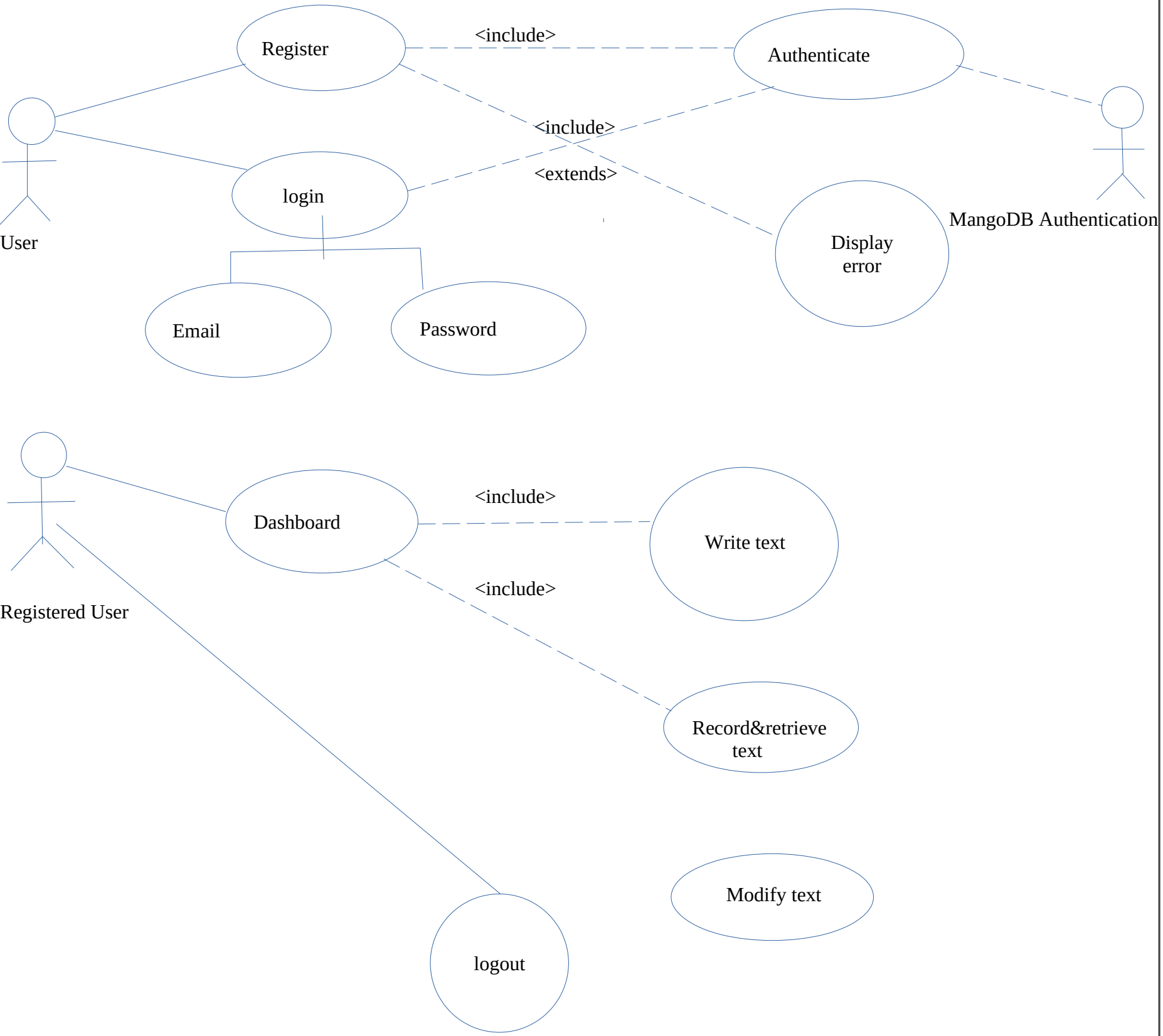
4.2.UML Diagrams

4.2.1 Class Diagrams



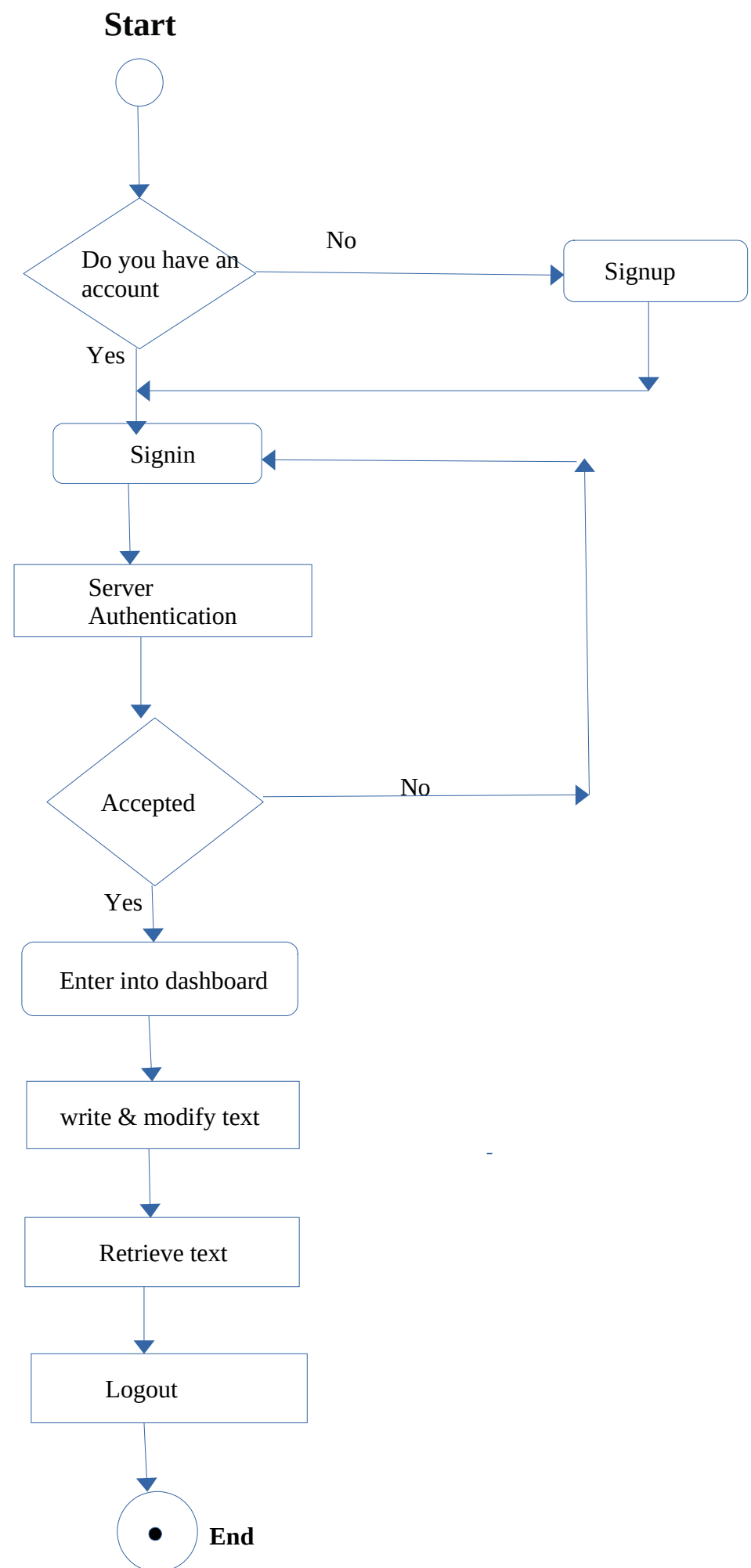
### 4.3.1 Use Case Diagrams

#### Chat App

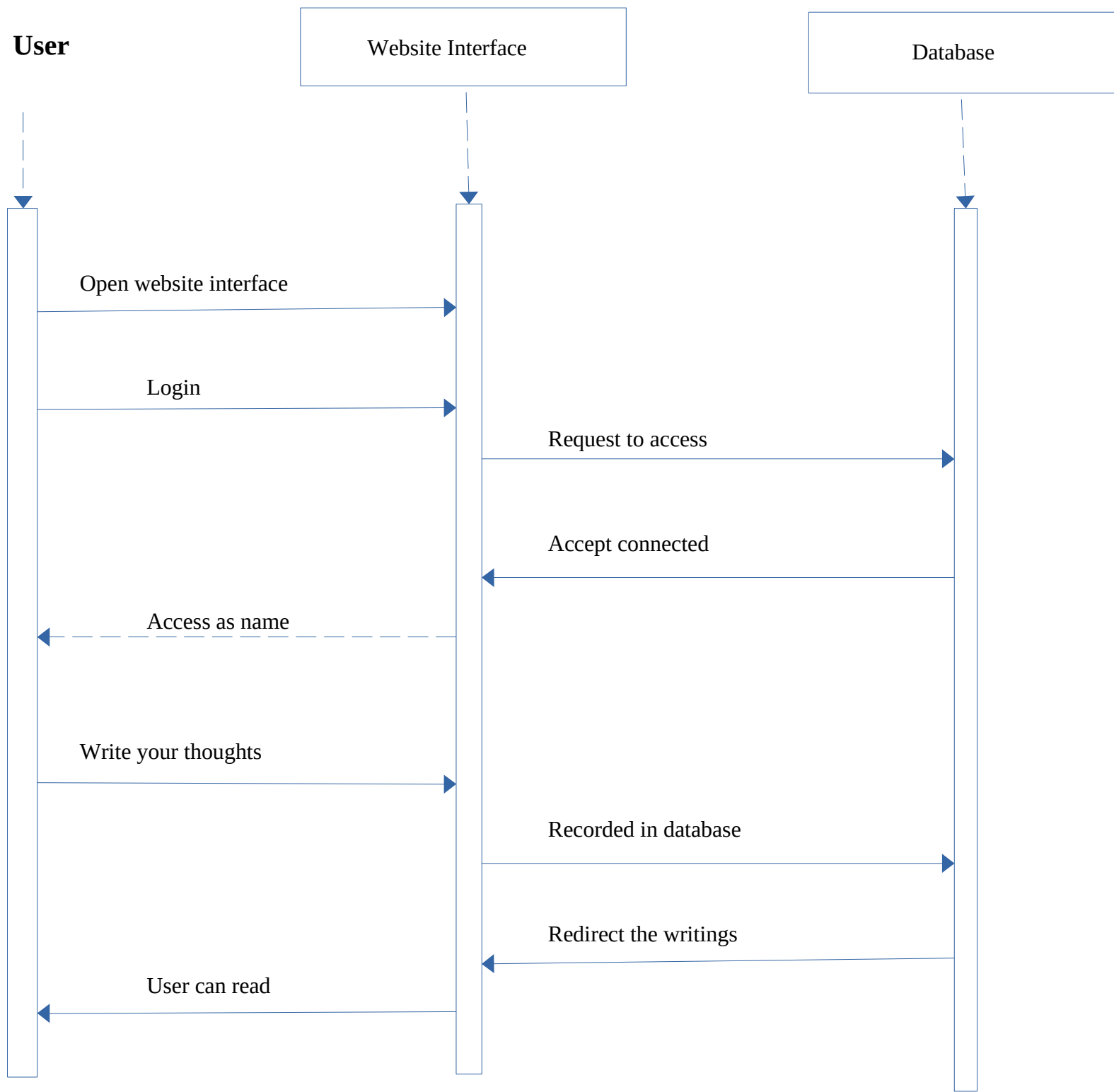




### 4.3.3 Activity Diagram



4.3.4 Sequence Diagram



# Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

## System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
- 2 .Integration testing

## Unit Testing

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters

1. Test for the admin module

Testing admin login form-This form is used for log in o administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.

Report Generation: admin can generate report from the main database.

## Integration Testing

In the Integration testing we test various combination of the project module by providing the input.The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

## Sample Code :

### Dashboardbar.js:

```
import { Navbar, Button, Link, Dropdown } from 'react-daisyui';

function DashboardBar({ logout, page }){
  return (
    <div className="flex w-full component-preview p-4 items-center
justify-center gap-2 font-sans">
      <Navbar>
        <Navbar.Start>
          <Link href="/dashboard">
            <Button className="text-xl normal-case" color="ghost">
              
                DairyGarden
            </Button>
          </Link>
        </Navbar.Start>
        <h1 className="text-2xl font-semibold select-
none">{page}</h1>
        <Navbar.End>
          <Dropdown vertical="end">
            <Button color="ghost" className="avatar"
shape="circle">
              <div className="w-10 rounded-full">
                
              </div>
            </Button>
            <Dropdown.Menu className="w-52 menu-compact">
              <Dropdown.Item
onClick={logout}>Logout</Dropdown.Item>
            </Dropdown.Menu>
          </Dropdown>
        </Navbar.End>
      </Navbar>
    </div>
  );
}

export default DashboardBar;
```

### Register.js :

```
import { useState } from "react";
import AuthBar from "../components/dashboard/auth/AuthBar";
import AuthRegisterForm from
"../components/dashboard/auth/AuthRegisterForm";

import Swal from 'sweetalert2'
import withReactContent from 'sweetalert2-react-content'

function Register(){
  const [name, setName] = useState("");
  const [username, setUsername] = useState("");
  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");
  const MySwal = withReactContent(Swal)

  function handleRegister(){
    if(name === "" || username === "" || email === "" || password
=== ""){
      MySwal.fire({
        title: <p>Empty Fields</p>,
        text: "Please fill in all the fields",
        icon: "error",
        confirmButtonText: "Ok"
      })
    }
    else{
      fetch(process.env.REACT_APP_API_URL+"/register", {
        method: "POST",
        headers: {
          "Content-Type": "application/json"
        },
        body: JSON.stringify({
          name: name,
          username: username,
          email: email,
          password: password
        })
      })
      .then(res => res.json())
      .then(data => {
        if(data.id !== undefined){
          localStorage.setItem("id", data.id);
          window.location.href = "/dashboard";
        }
      })
    }
  }

  export default Register;
```

### Login.js:

```
import { useState } from "react";
import AuthBar from "../components/dashboard/auth/AuthBar";
import AuthLoginForm from
"../components/dashboard/auth/AuthLoginForm";

import Swal from 'sweetalert2'
import withReactContent from 'sweetalert2-react-content'

function Login(){
  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");
  const MySwal = withReactContent(Swal)

  function handleSignin(){
    if(email === "" || password === ""){
      MySwal.fire({
        title: <p>Empty Fields</p>,
        text: "Please fill in all the fields",
        icon: "error",
        confirmButtonText: "Ok"
      })
    }
    else{
      fetch(process.env.REACT_APP_API_URL+"/login", {
        method: "POST",
        headers: {
          "Content-Type": "application/json"
        },
        body: JSON.stringify({
          email: email,
          password: password
        })
      })
    }
  }
  return (
    <>
      <AuthBar />
      <AuthLoginForm email={email} setEmail={setEmail}
password={password} setPassword={setPassword}
signin={handleSignin} />
    </>
  );
}

export default Login;
```

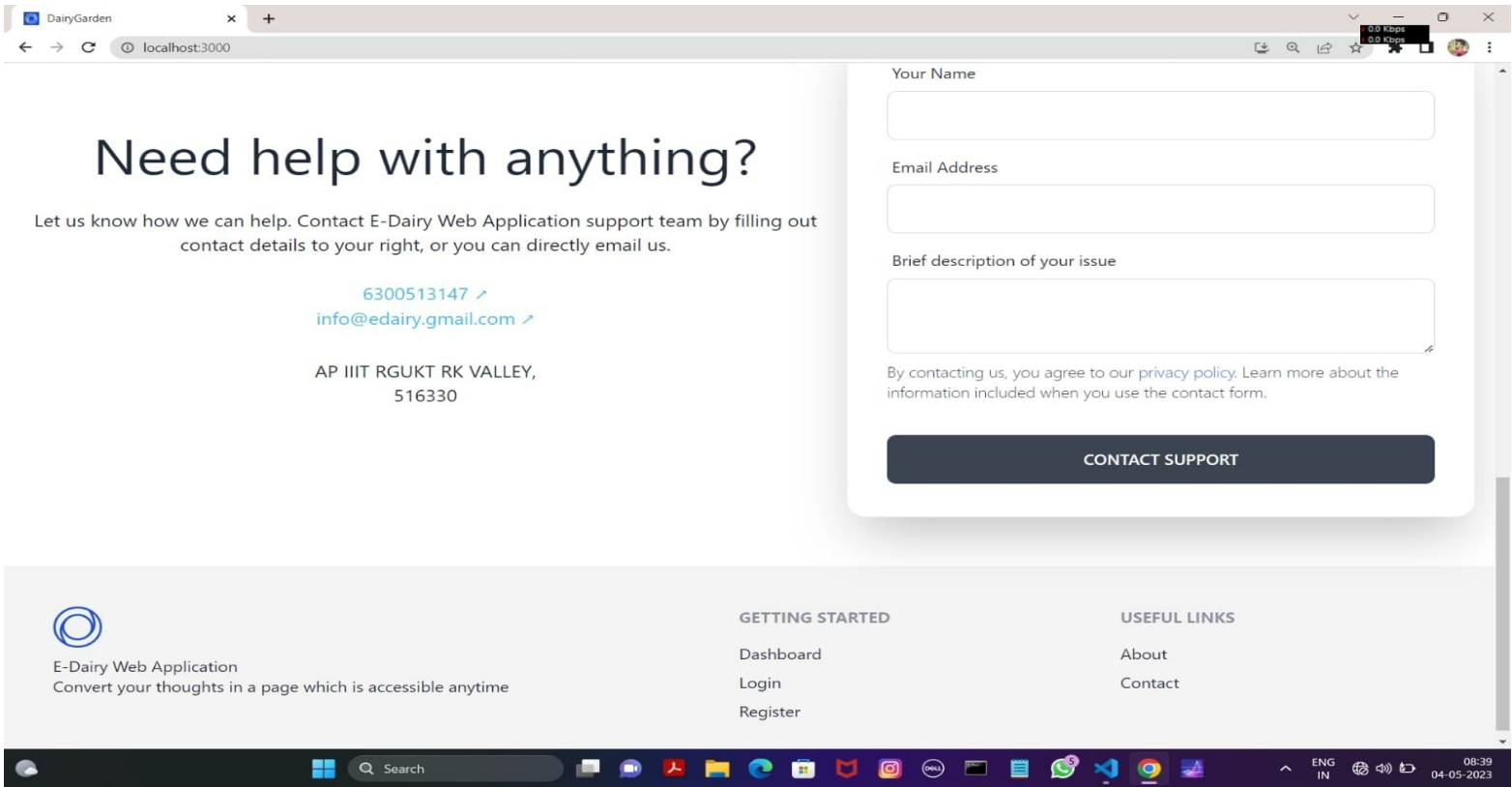
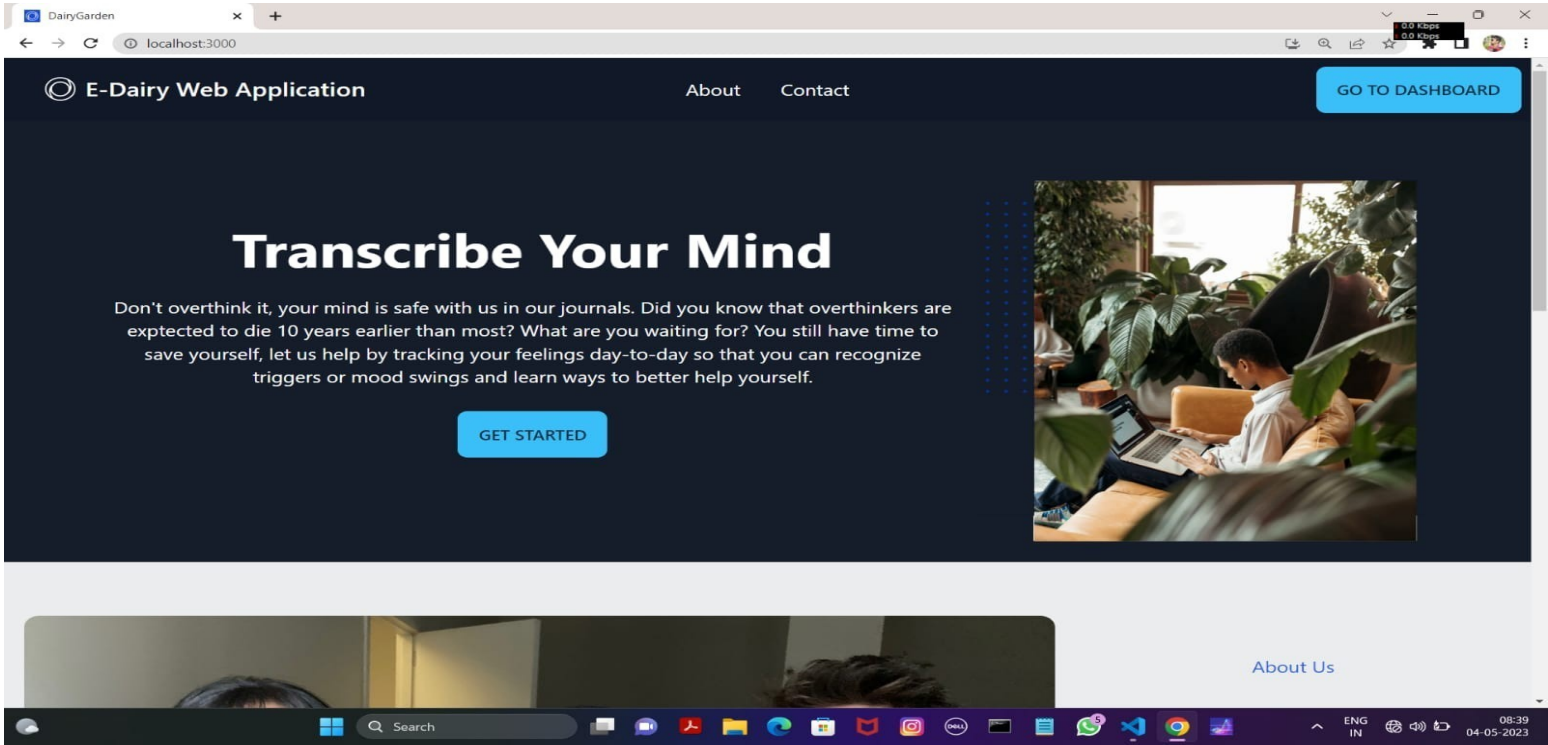
### **Landing.js:**

```
import CoreBar from "../components/CoreBar";
import LandingHero from "../components/Landing/Hero";
import AboutHero from "../components/Landing/About";
import ContactHero from "../components/Landing/Contact";
import CoreFooter from "../components/CoreFooter";

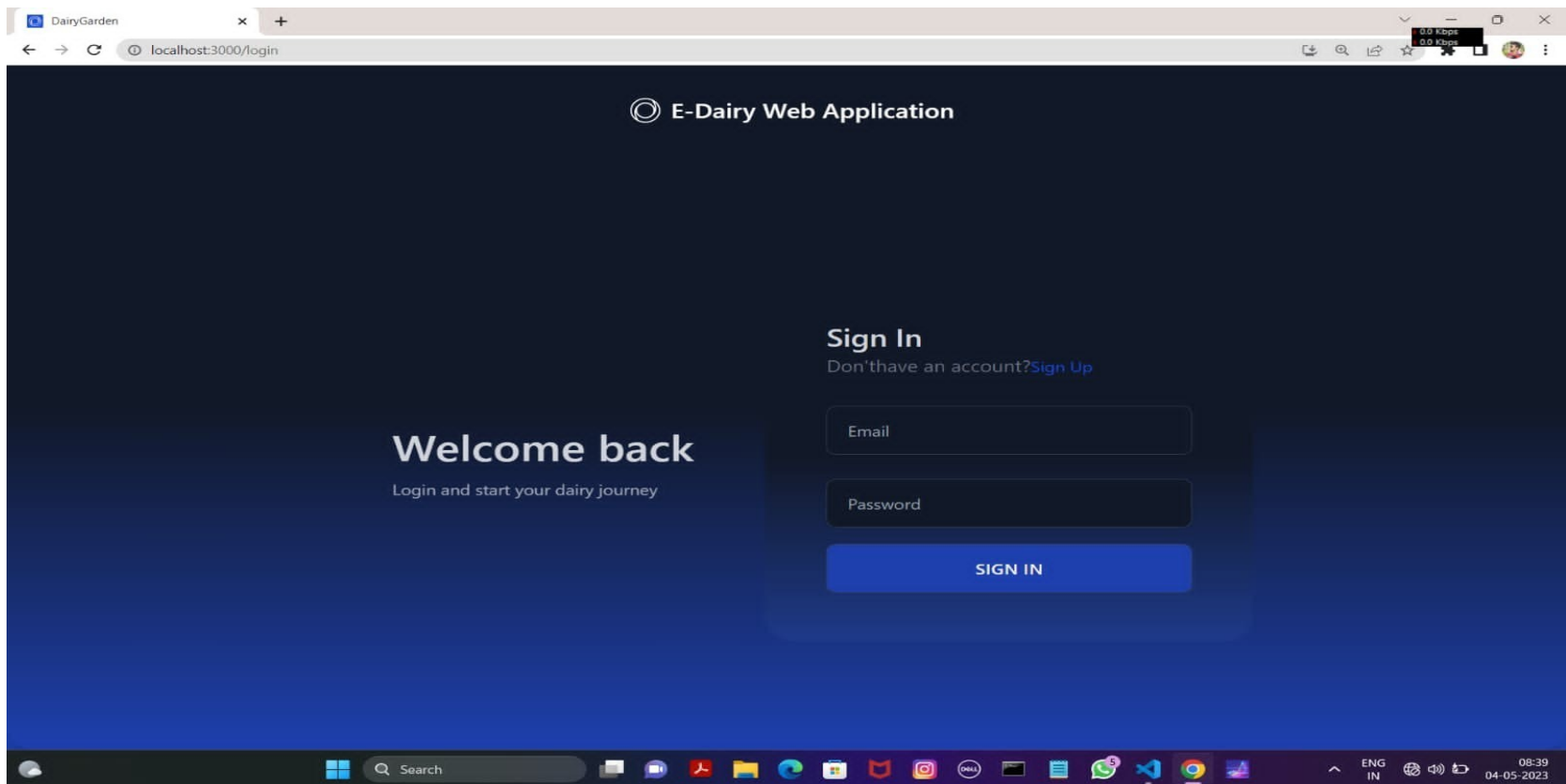
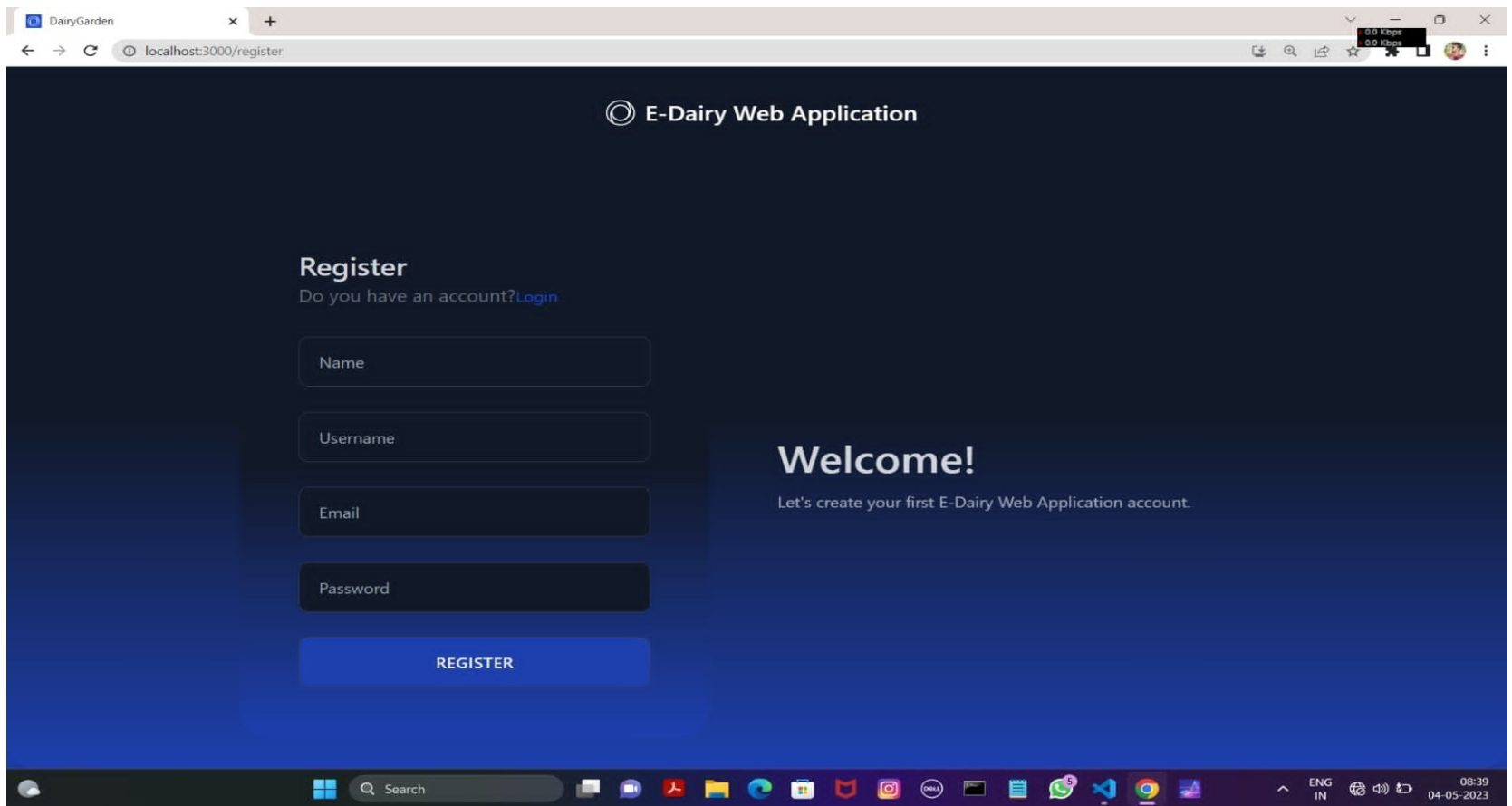
function Landing(){
  return (
    <>
      <CoreBar />
      <LandingHero />
      <AboutHero />
      <ContactHero />
      <CoreFooter />
    </>
  );
}

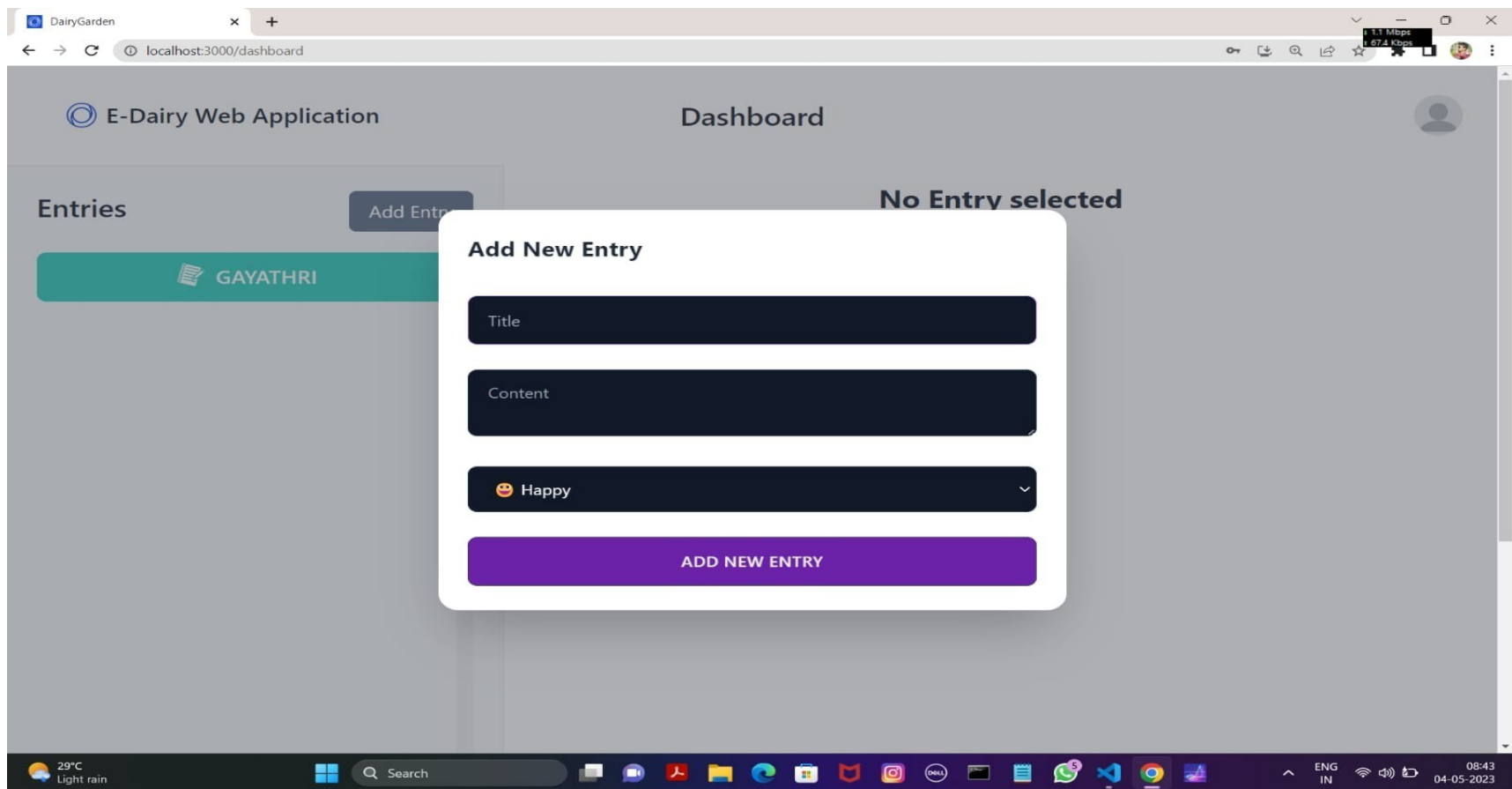
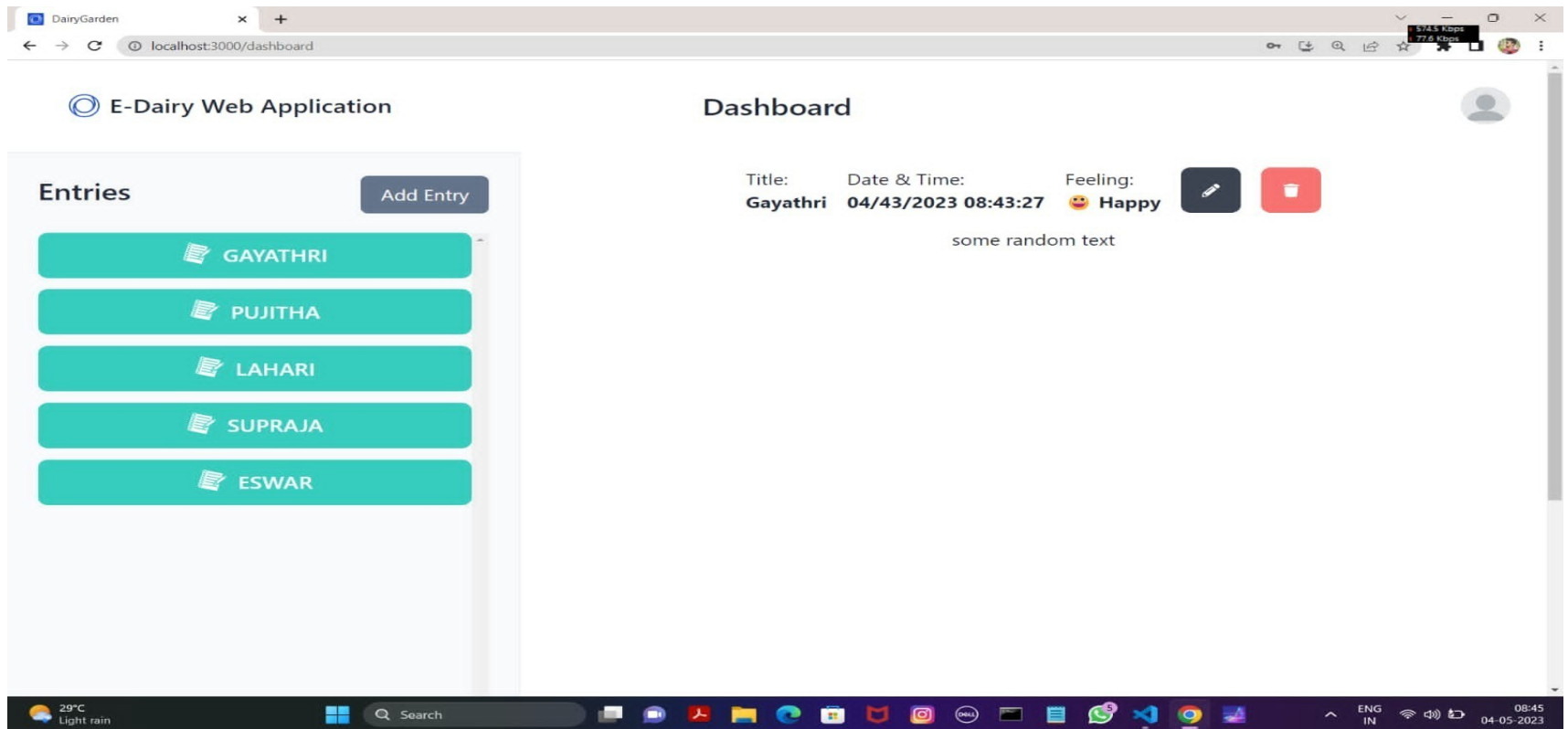
export default Landing;
```

OUTPUT:









## Conclusion:

In conclusion, this project is based upon in frontend and backend technologies so that we had our best effort to implement all the knowledge we have gained so far in web technologies.

Working on this project had enhanced our knowledge and skills in web development and will surely help us in future.

The implementation of E-Diary Web Application enables user to convey their thoughts and experiences in our website.

## References :

<https://daisyui.com>

<https://tailwindcss.com>

<https://react.dev>

<https://www.mongodb.com>