WeShare

Data Transmission Project

2023

Made by

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Tăslăuan Alexandra

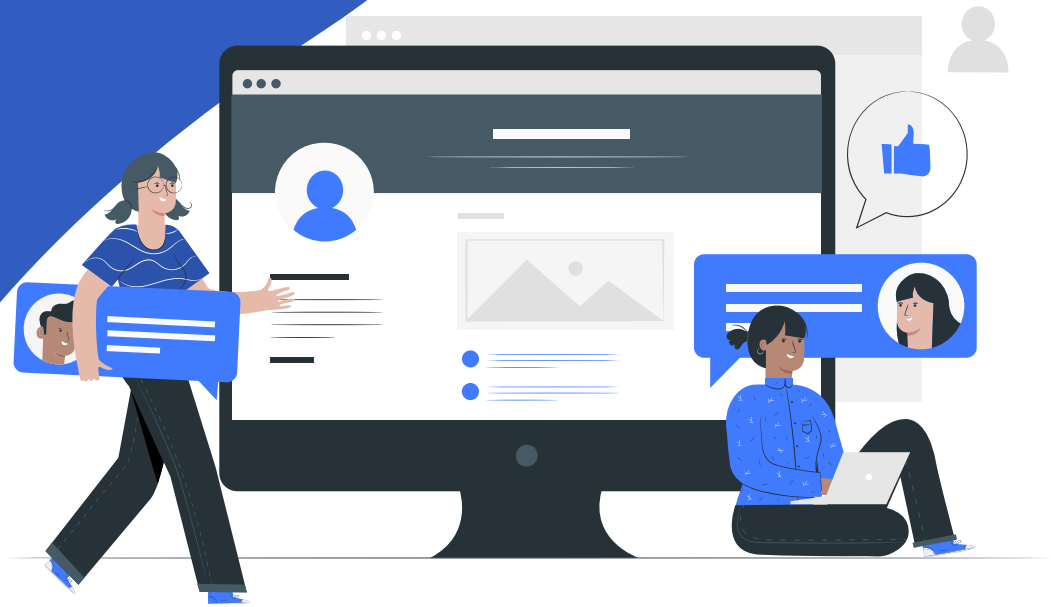


Table of contents

Introduction

Today, especially since Covid-19, the trend is for people to go online and spend as much time there. Even though that might not be the best solution in some cases, in other cases is the only solution: when we are far from home, far from family and friends and we want to keep in touch with them.

We have created a social media platform designed to connect people, foster collaboration, and inspire meaningful interactions.

Goals

The main goal of our application was to create a digital space that promotes positive engagements, enables authentic connections, and empowers users to make a difference in their communities and beyond.

Functions

One of the features we decided it was crucial working with was the database..

Second of, we conceptualized this application to be as easy as possible to use and to have a great user experience, having the following features:

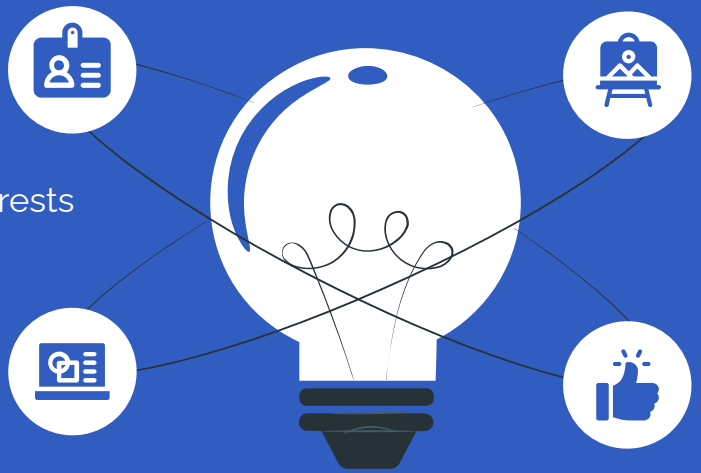
Functions

Login, Logout and Registration pages:

· we want to keep your experience tailored to your interests by having a safe account.

Comment on posts:

· don't be scared to comment on posts and let people know how great it is seeing them.



Change profile and cover pictures:

· let other people see you by changing these representative images of yourself whenever you want to.

Like other people's posts:

· let people know how much you appreciate seeing their posts.

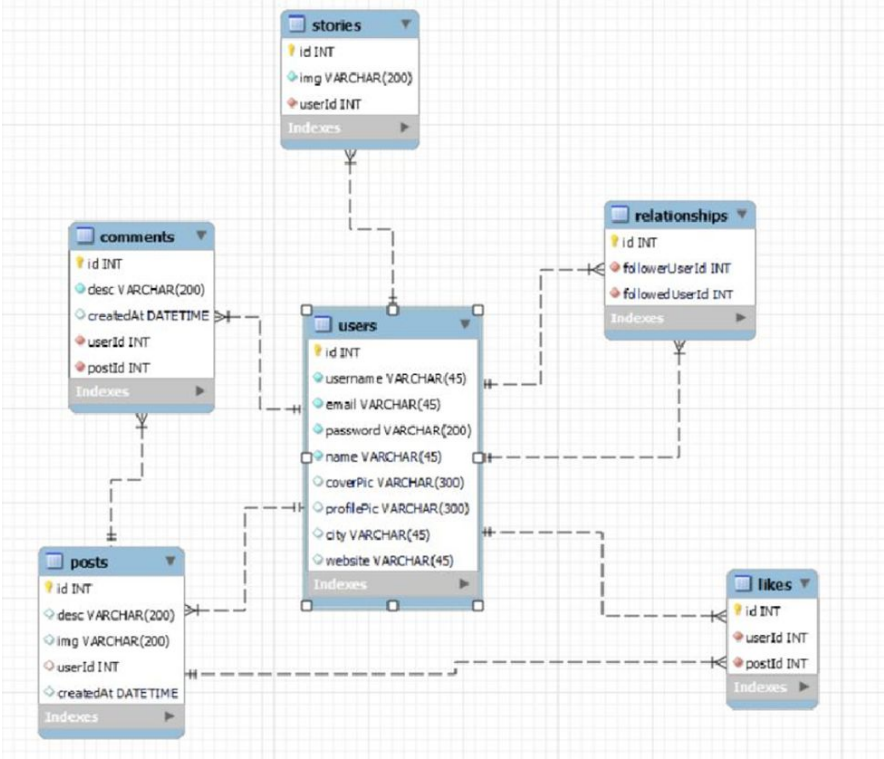
Application Design

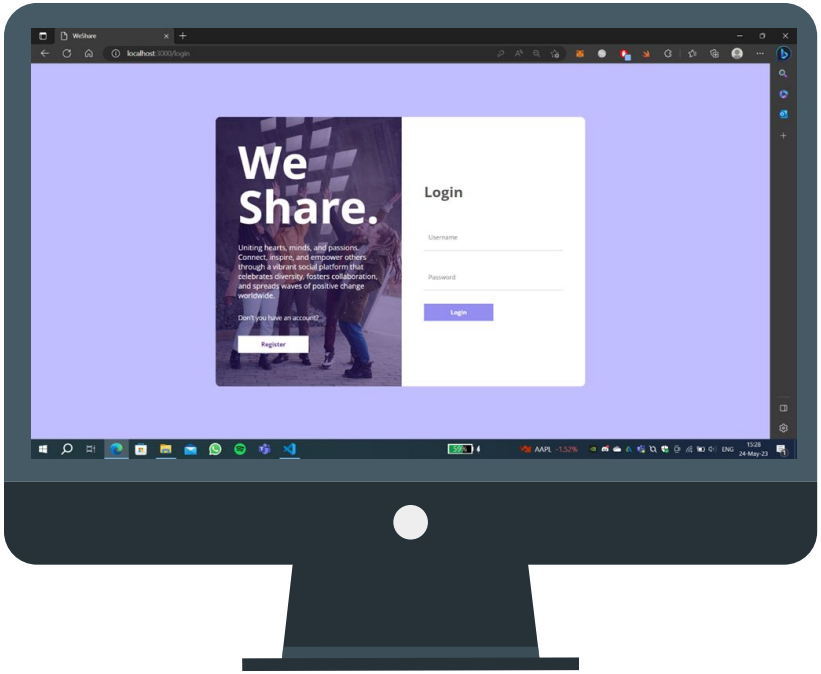
Database Design

Table	Columns	Properties
Comments	id [PK] desc createdAt userId postId	int varchar(200) datetime int int
Likes	id userId postId	int int int
Posts	id desc img userId createdAt	int varchar(200) varchar(200) int datetime

Database Design

Table	Columns	Properties
Relationships	id followerUserId followedUserId	int int int
Stories	id img userId	int varchar(200) int
Users	id username email password name coverPic profilePic city website	int varchar(45) varchar(45) varchar(200) varchar(45) varchar(300) varchar(300) varchar(45) varchar(45)

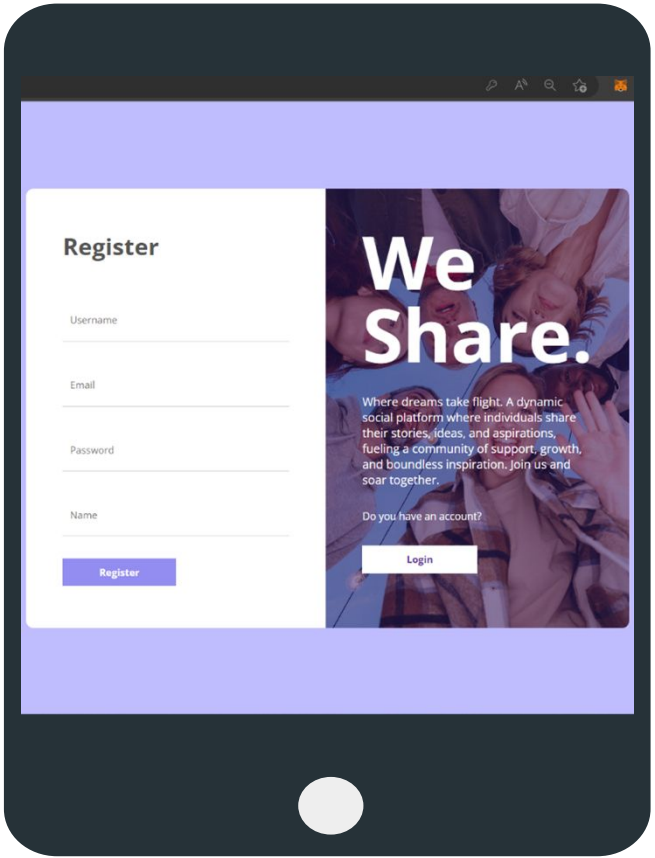

stories
id INT
img VARCHAR(200)
userId INT
Indexes
comments
id INT
desc VARCHAR(200)
createdAt DATETIME
userId INT
postId INT
Indexes
relationships
id INT
followerUserId INT
followedUserId INT
Indexes
users
id INT
username VARCHAR(45)
email VARCHAR(45)
password VARCHAR(200)
name VARCHAR(45)
coverPic VARCHAR(300)
profilePic VARCHAR(300)
city VARCHAR(45)
website VARCHAR(45)
Indexes
posts
id INT
desc VARCHAR(200)
img VARCHAR(200)
userId INT
createdAt DATETIME
Indexes
likes
id INT
userId INT
postId INT
Indexes



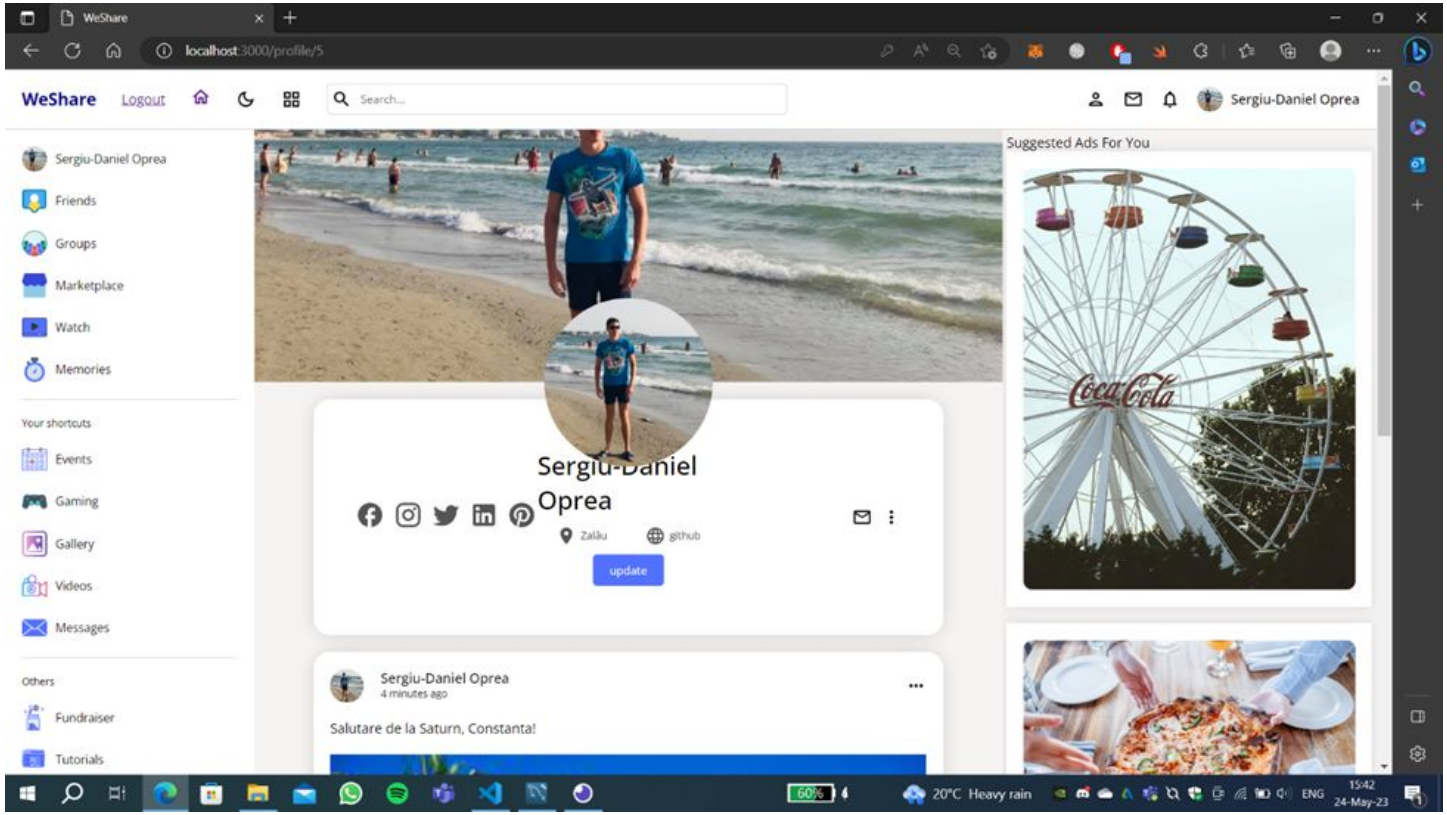
GUI Design

Login Page

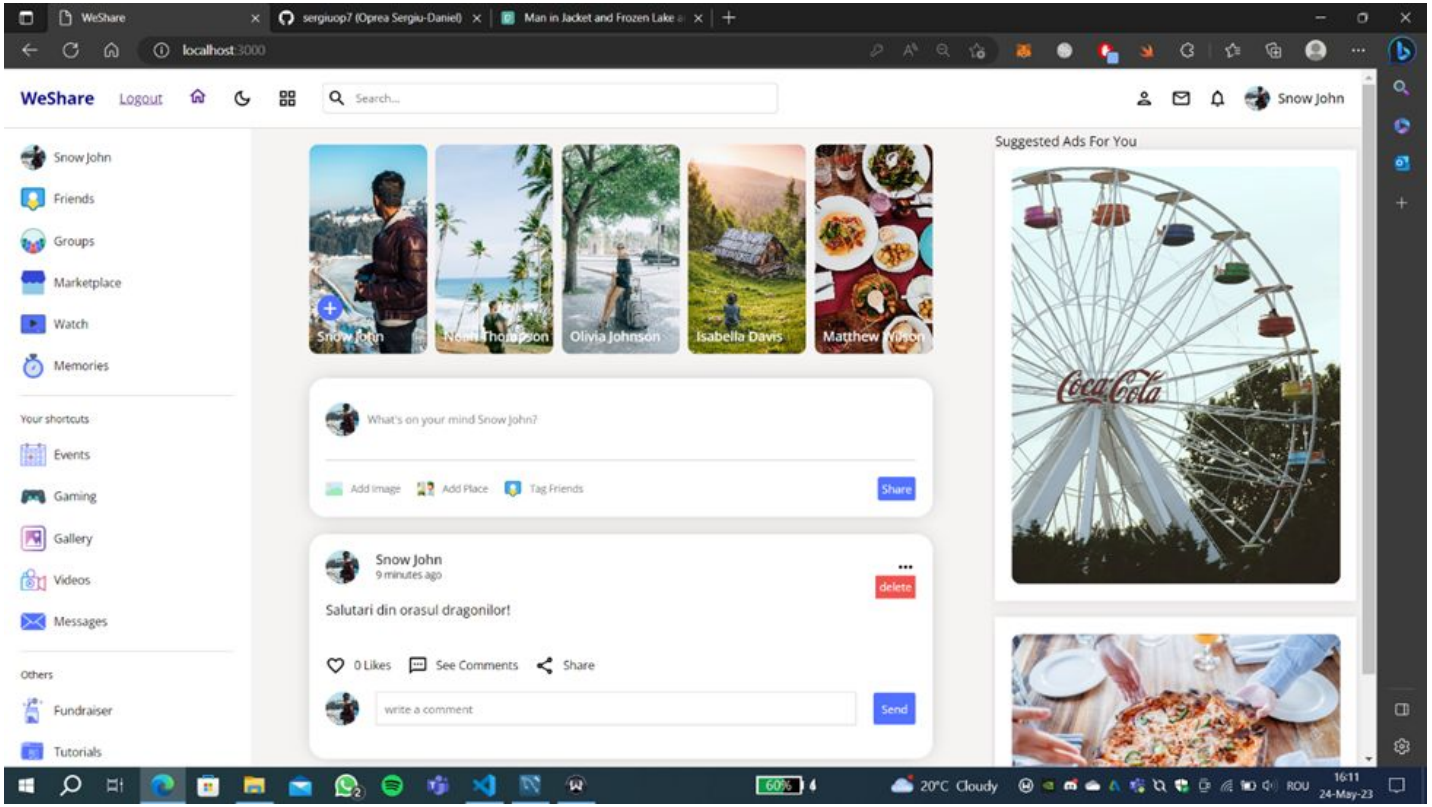
Register Page



Main Profile

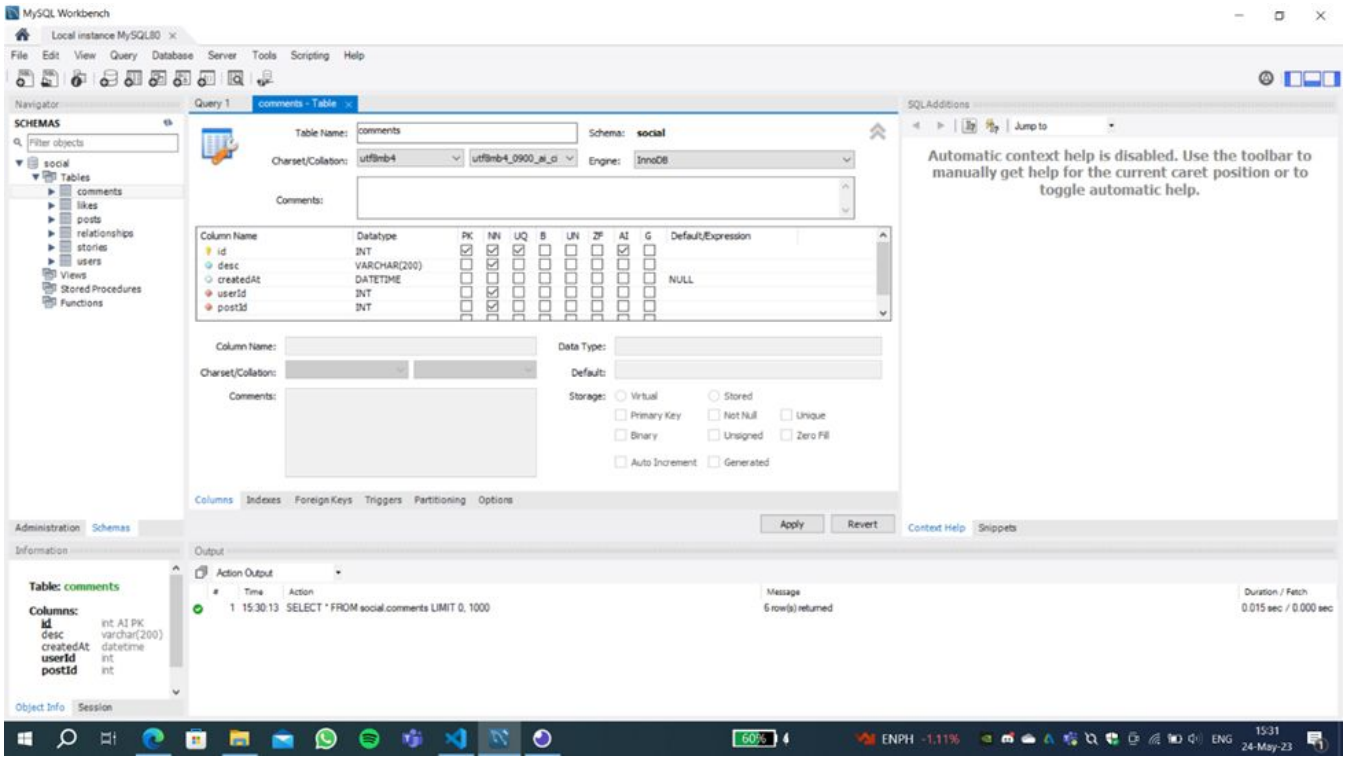


Feed


WeShare
sergiuop7 (Oprea Sergiu-Daniel)
Man in Jacket and Frozen Lake
localhost:3000
WeShare
Logout
Search...
Snow John
Snow John
Friends
Groups
Marketplace
Watch
Memories
Your shortcuts
Events
Gaming
Gallery
Videos
Messages
Others
Fundraiser
Tutorials
Snow John
Noah Thompson
Olivia Johnson
Isabella Davis
Matthew Wilson
What's on your mind Snow John?
Add Image
Add Place
Tag Friends
Share
Snow John
9 minutes ago
delete
Salutari din orasul dragonilor!
0 Likes
See Comments
Share
write a comment
Send
Suggested Ads For You
Coca-Cola
60%
20°C Cloudy
ROU
16:11
24-May-23

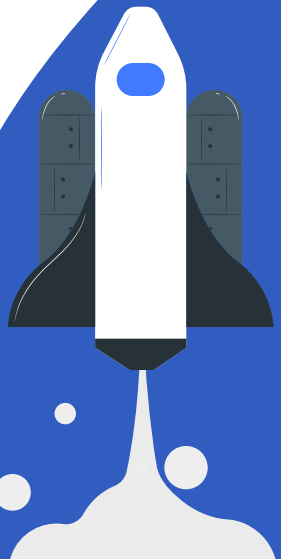
Application Implementation

Database Implementation



Implementation Details

Some code from App.js



```
import Login from "./pages/login/Login";
import Register from "./pages/register/Register";
import {
  createBrowserRouter,
  RouterProvider,
  Route,
  Outlet,
  Navigate,
} from "react-router-dom";
import Navbar from "./components/navbar/Navbar";
import LeftBar from "./components/leftBar/LeftBar";
import RightBar from "./components/rightBar/RightBar";
import Home from "./pages/home/Home";
import Profile from "./pages/profile/Profile";
import "./style.scss";
import { useContext } from "react";
import { DarkModeContext } from
"./context/darkModeContext";
import { AuthContext } from "./context/authContext";
import { QueryClient, QueryClientProvider } from
'react-query'

function App() {
  const {currentUser} = useContext(AuthContext);

  const { darkMode } = useContext(DarkModeContext);

  const queryClient = new QueryClient()

  const Layout = () => {
    return (
      <QueryClientProvider client={queryClient}>
      <div className={`theme-${darkMode ? "dark" :
"light"}`}>
        <Navbar />
        <div style={{ display: "flex" }}>
          <LeftBar />
          <div style={{ flex: 6 }}>
            <Outlet />
          </div>
          <RightBar />
        </div>
      </div>
```

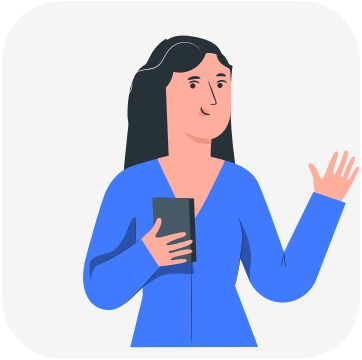
```
const ProtectedRoute = ({ children
}) => {
    if (!currentUser) {
      return <Navigate to="/login" />;
    }

    return children;
  };

  const router =
createBrowserRouter([
    {
      path: "/",
      element: (
        <ProtectedRoute>
          <Layout />
        </ProtectedRoute>
      ),
      children: [
        {
          path: "/",
          element: <Home />,
        },
        {
          path: "/profile/:id",
          element: <Profile />,
        },
      ],
    },
    {
      path: "/login",
      element: <Login />,
    },
    {
      path: "/register",
      element: <Register />,
    },
  ]);

  return (
    <div>
      <RouterProvider
router={router} />
    </div>
  );
}
```

Conclusion

In conclusion, the WeShare application was developed following each step in the design process. From the idea of an application that can bring together people and help them keep in touch, to the testing of it, the entire team pitched in ideas and helped with solutions to parts that posed difficulties.

Our team

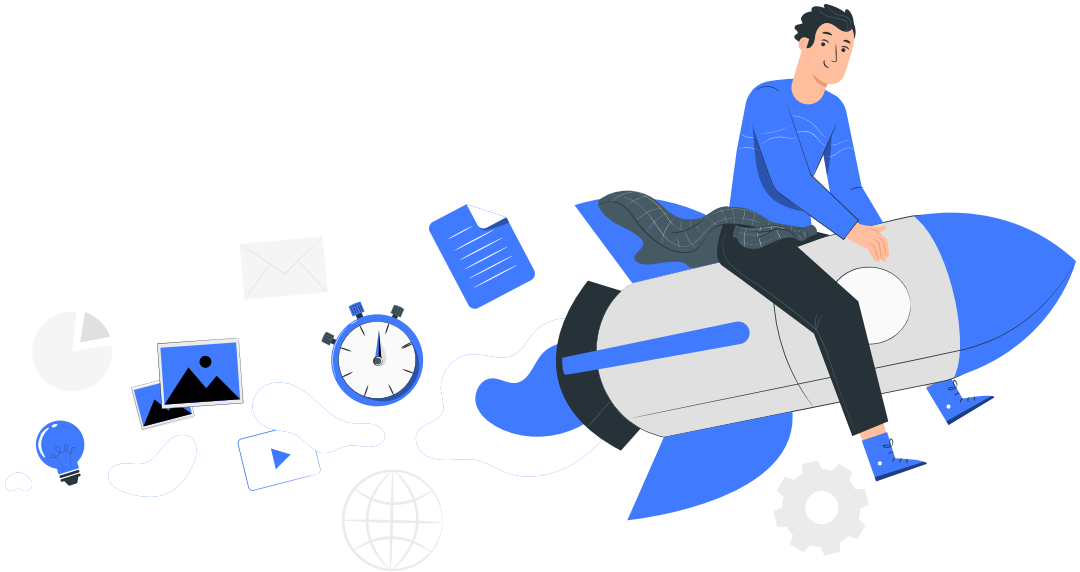
Evelyn Iulia Plesca



Alexandra Taslauan

Sergiu Daniel Oprea

Thanks



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