# THE BLOG APPLICATION - GUIDE

# BLOG APPLICATION

Let’s develop a Blogging Application using the MERN stack.

## Functionalities

- User Authentication: Users can create an account, log in, and log out. Passwords are hashed and stored securely.
- Blog Post Creation: Users can create, edit, and delete their own blog posts. Blog posts have a title, body, and optional image.
- Blog Post Listing: Users can view a list of all blog posts created by all users. Each post displays the author's name, post title, post body, and date created.
- Blog Post Viewing: Users can click on a blog post to view its full content. Users can add like to the posts.
- Blog Post Search: Users can search for blog posts by title.
- Security: Implemented Authentication and Authorization

## Technologies

### Frontend

- ReactJS - JavaScript library that is used for building user interfaces specifically for single-page applications.
- React Hooks - To manage and centralize application state.
- react-router-dom - Handle routing.
- Axios - For making API calls.
- CSS - For User Interface
- Font awesome – User interactive icons
- Toastify – Show toast messages for relevant validations.

### Backend

- NodeJS - A runtime environment to help build fast server applications using JS
- ExpressJS - The server for handling and routing HTTP requests
- Mongoose - For modeling and mapping MongoDB data to JavaScript
- express-async-handler - Simple middleware for handling exceptions inside of async express routes and passing them to your express error handlers
- JSON web token - For authentication

- Bcrypt - For data encryption
- Dotenv - Zero Dependency module that loads environment variables
- multer - Node.js middleware for uploading files
- cors - Provides a Connect/Express middleware

### Database

- MongoDB - It provides a free cloud service to store MongoDB collections.

## Configuration and Setup

In order to run this project locally, simply fork and clone the repository or download as zip and unzip on your machine.

- Open the project in your preferred code editor.
- Go to terminal -> New terminal (If you are using VS code)
- Split your terminal into two (run the Frontend on one terminal and the Backend on the other terminal)

### In the first terminal

```
$ cd Frontend
$ npm install (to install frontend-side dependencies)
$ npm run  start (to start the frontend)
```

### In the second terminal

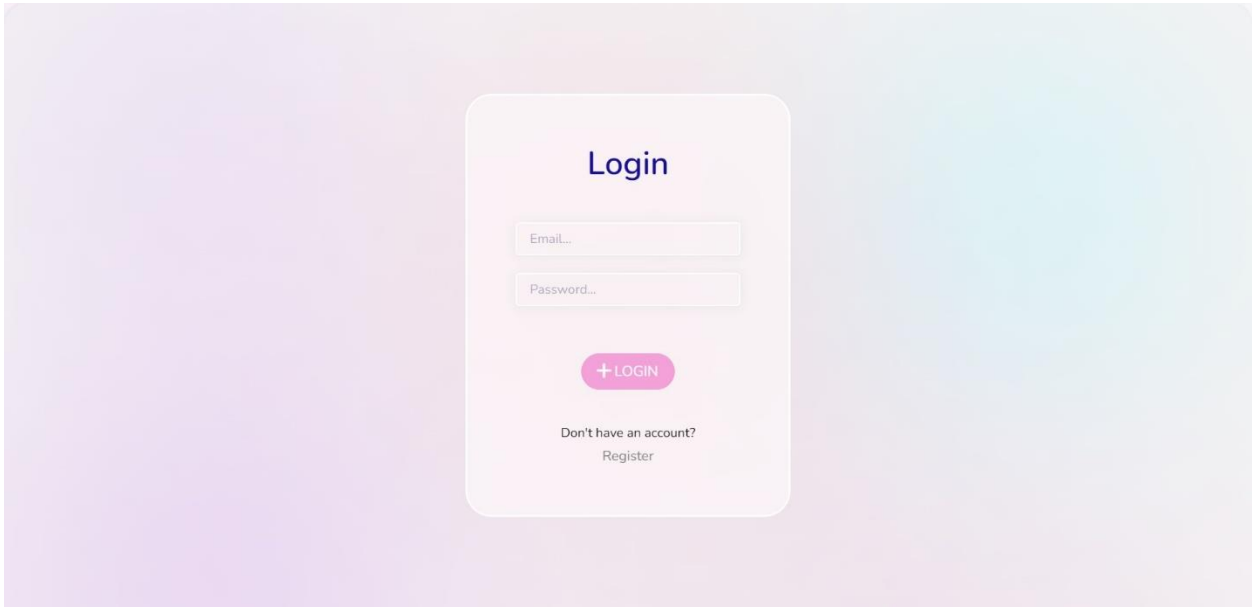
- cd Backend and set environment variables in .env file
- Create your Mongo DB connection URL, which you'll use as your MONGO_URL
- Supply the following credentials.

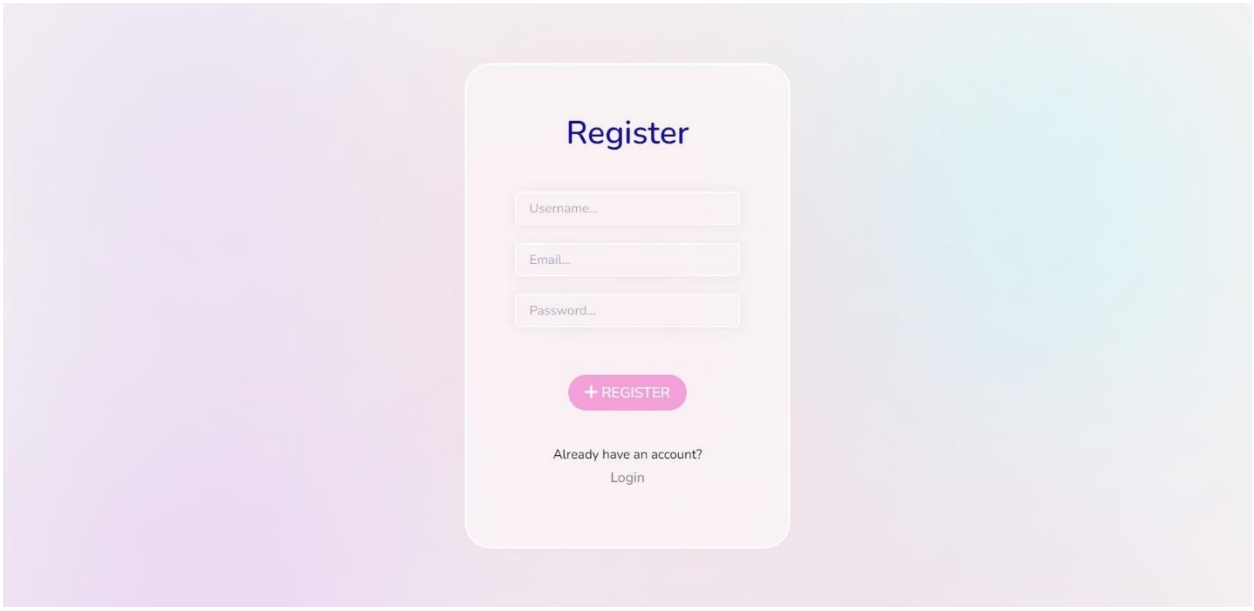
```
#  --- .env  ---

PORT =5000
MONGO_URL =
JWT_SECRET =

# --- Terminal ---

$ npm install (to install backend-side dependencies)
$ npm start (to start the backend)
```

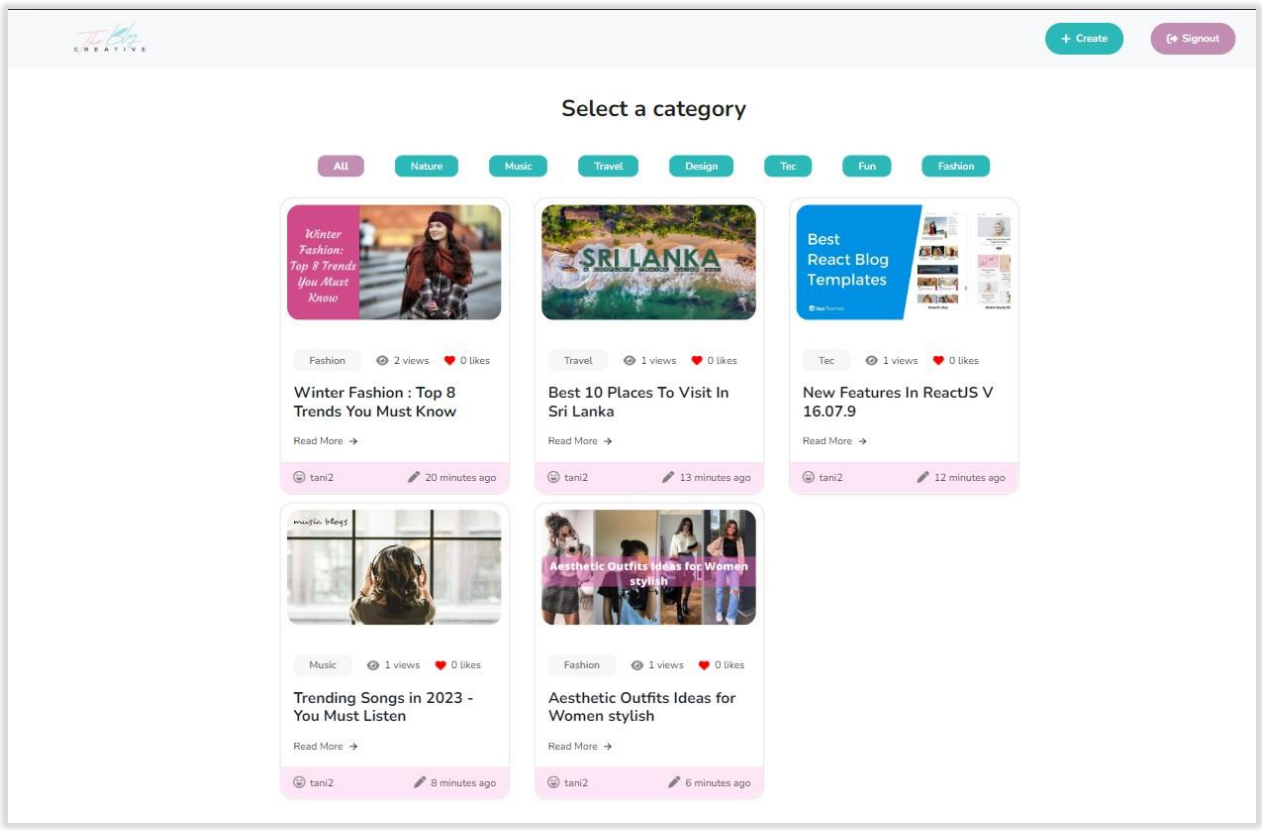
If the terminal shows as below, then your backend is up and running

```
Listening to port : 5000
DB connect
```

# Screenshots of the Blog Application

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Winter Fashion: Top 8 Trends You Must Know
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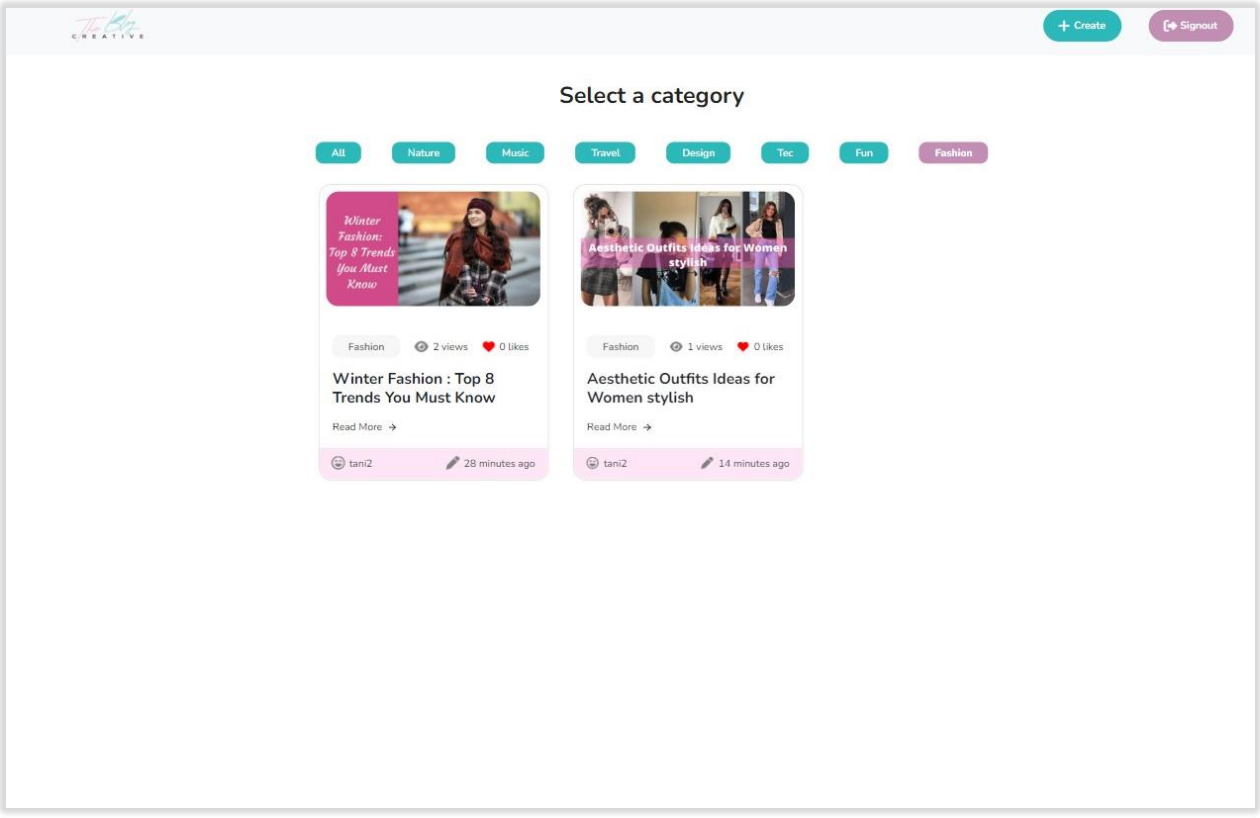
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Winter Fashion: Top 8 Trends You Must Know
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Winter Fashion : Top 8 Trends You Must Know
Read More
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Aesthetic Outfits Ideas for Women stylish
Fashion
1 views
0 likes
Aesthetic Outfits Ideas for Women stylish
Read More
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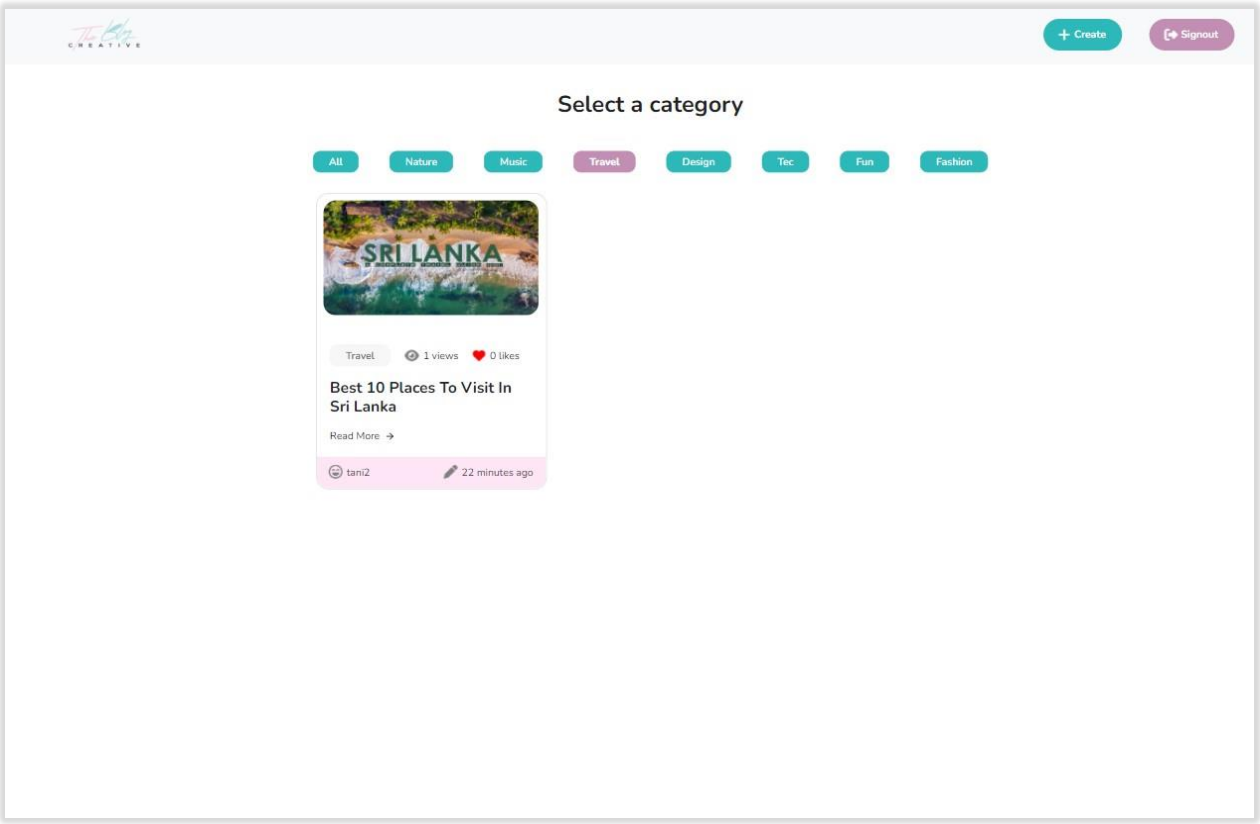
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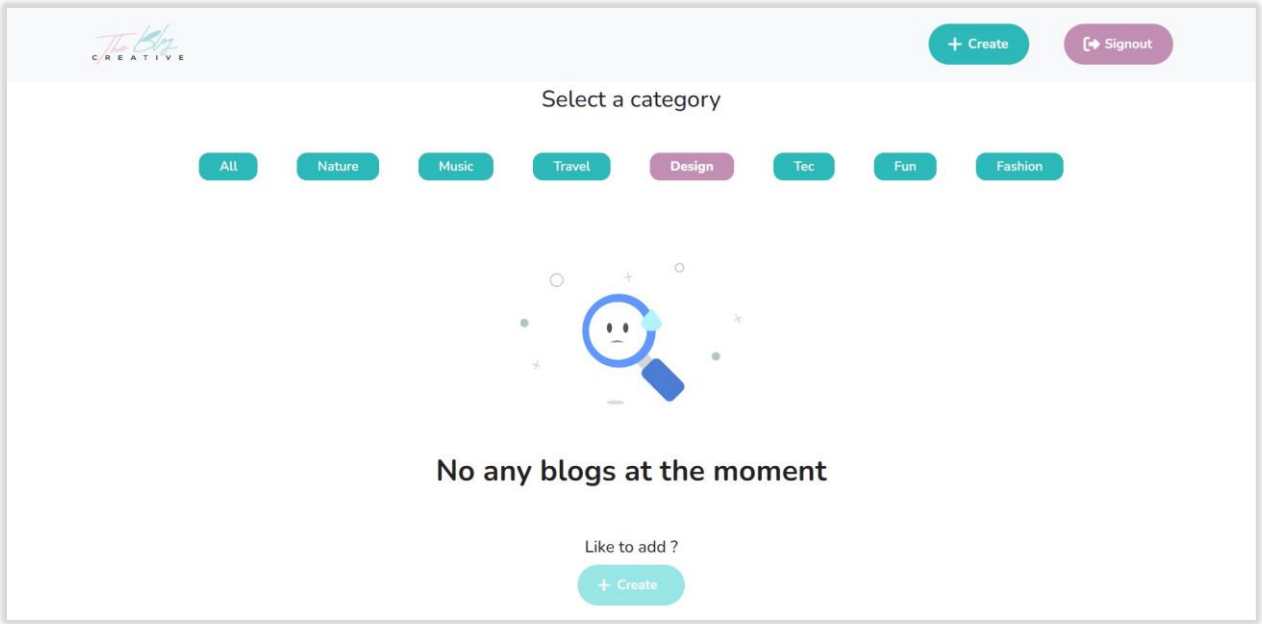
+ Create
Signout
Select a category
All
Nature
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Fashion
No any blogs at the moment
Like to add ?
+ Create

+ Create  Signout

# Aesthetic Outfits Ideas For Women Stylish

Edit Post  Delete Post

2 views
0 likes

What is Lorem Ipsum? Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum. Why do we use it? It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

**Author:**

**Created At:** 16 minutes ago

+ Create  Signout

Aesthetic Outfits Ideas For Women Stylish

4 views
1 likes

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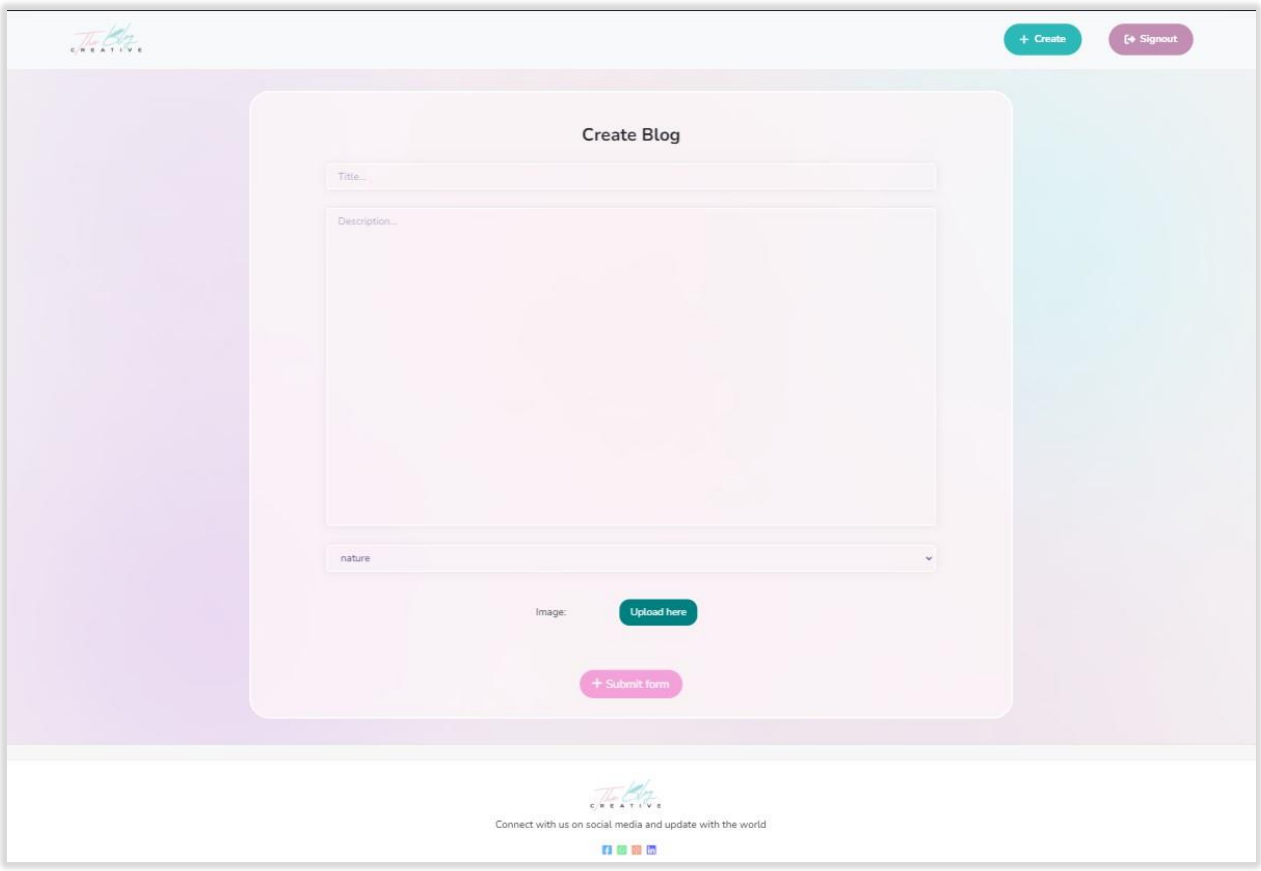
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Title...
Description...
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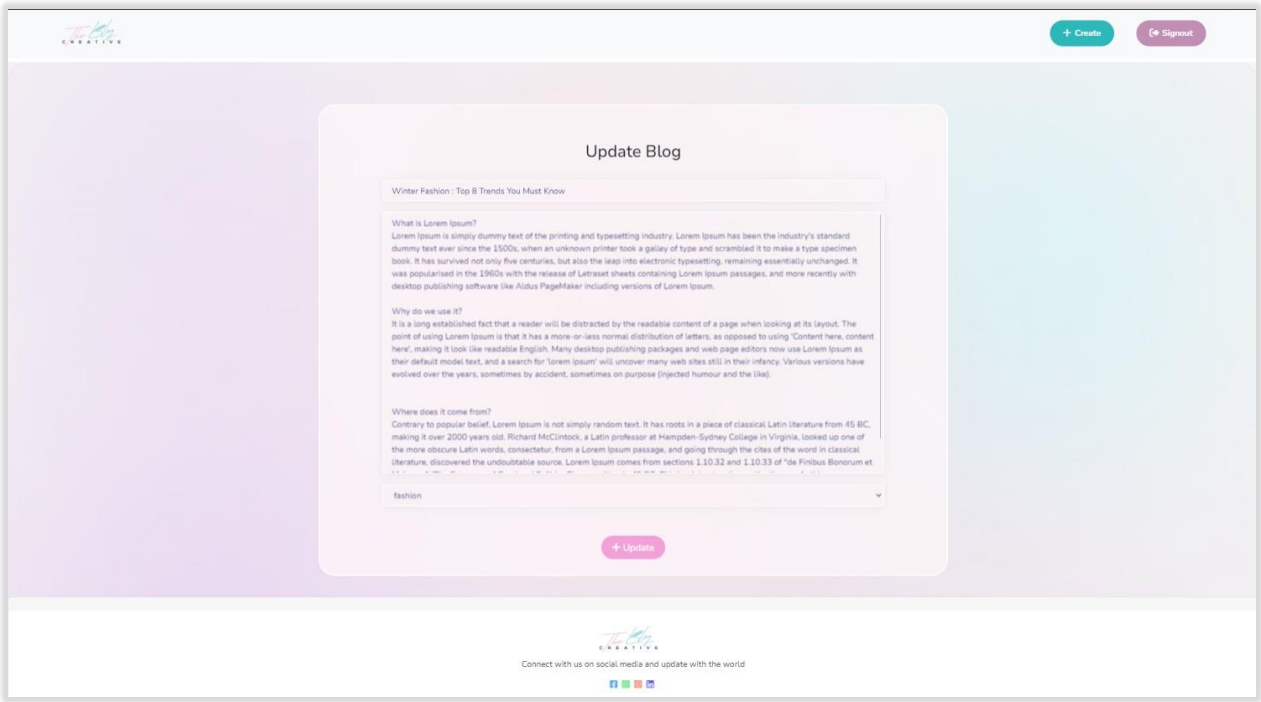
Image:
Upload here
+ Submit form
Connect with us on social media and update with the world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Where does it come from?
Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et
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