Project Name

Blog Website Using Django & React

Team Members:

Rayhan Aziz Chowdhury Shafi

Fatematuj Johura Mim

What is Our Project?

- **A dynamic blog website**
- **Users can read and write blog posts**
- **Authors need admin validation**
- **Categories, tags, and comments supported**
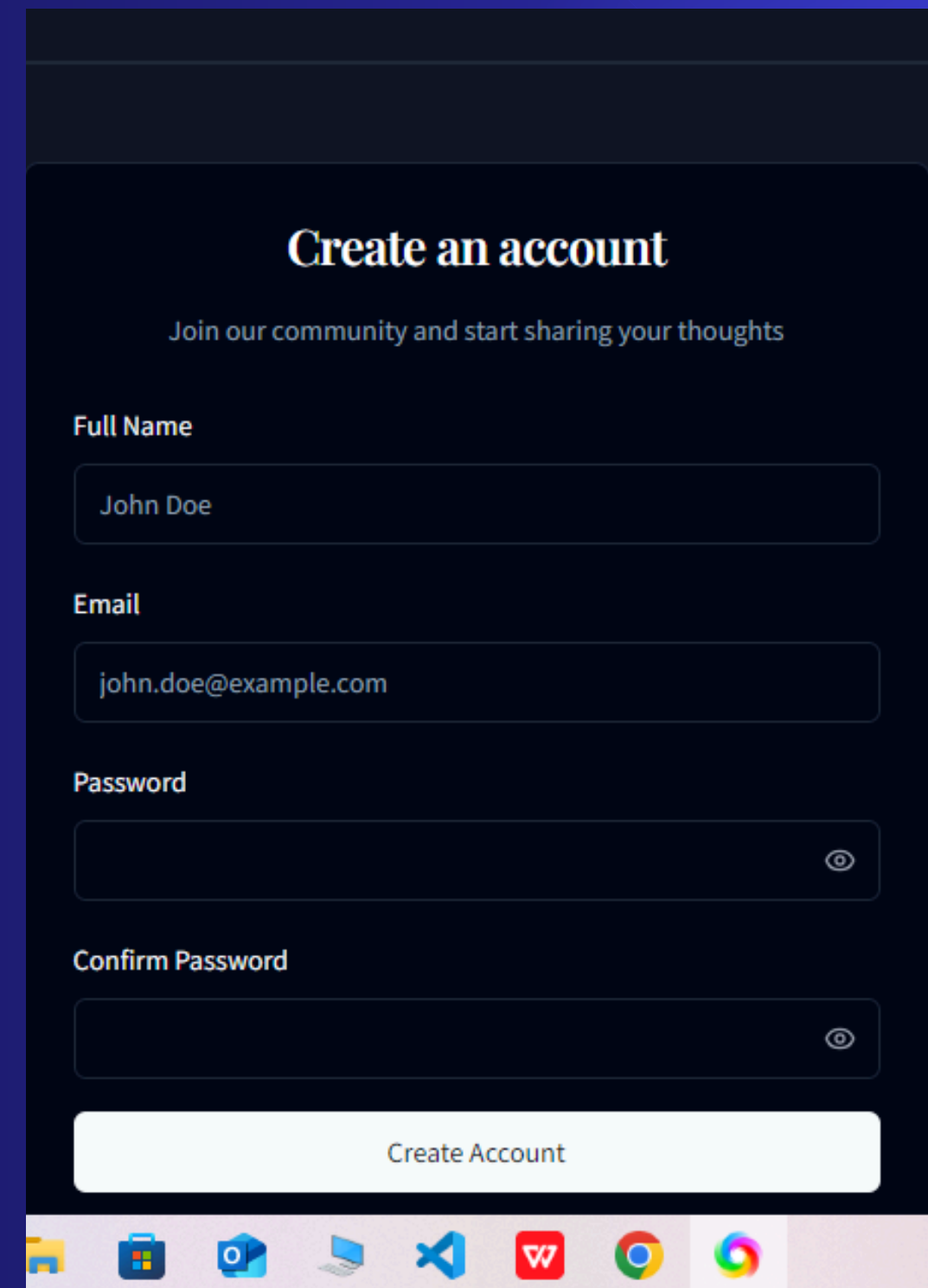- **Built using React (Frontend) and Django (Backend)**

PROJECT OBJECTIVES

- Build a clean, modern blog system
- Secure authentication for different user types
- Allow authors to publish blogs in different categories
- Enable comments and tagging
- Give admins control over validation and management

LETS JUMP INTO CORE FEATURES

- ## USER AUTHENTICATION

  REGISTER (SIGN UP)

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- ## USER AUTHENTICATION

LOG IN (SIGN IN)
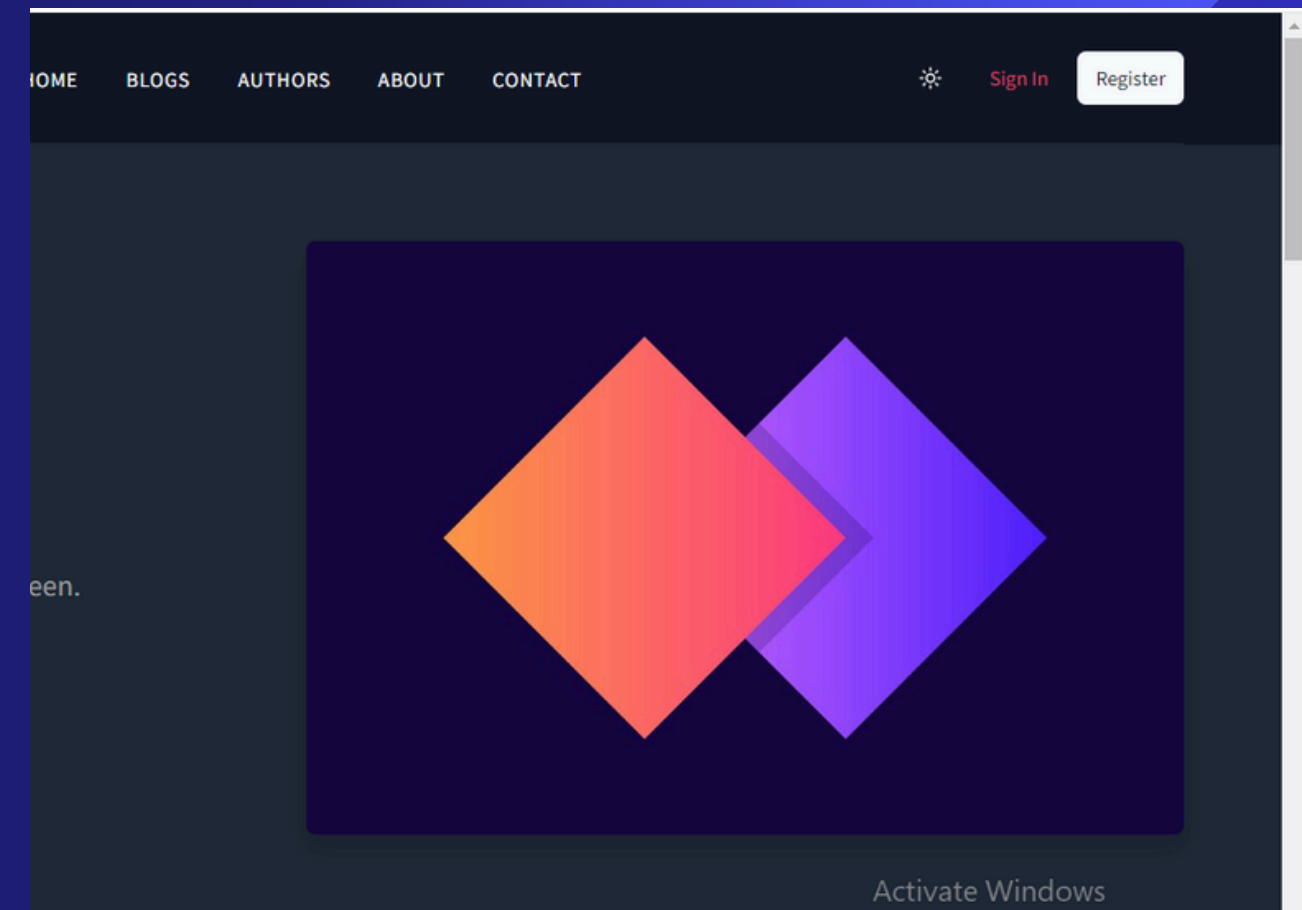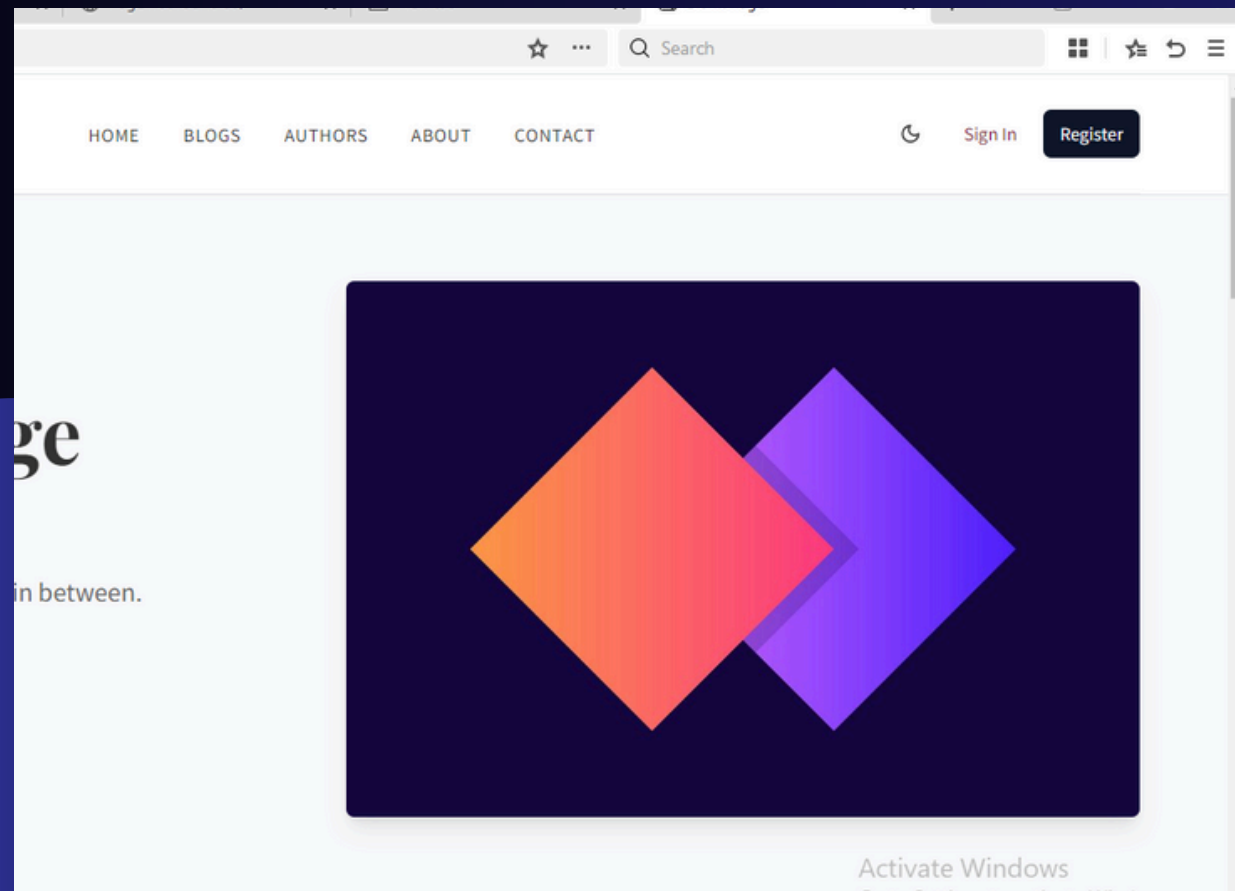
LETS JUMP INTO CORE FEATURES

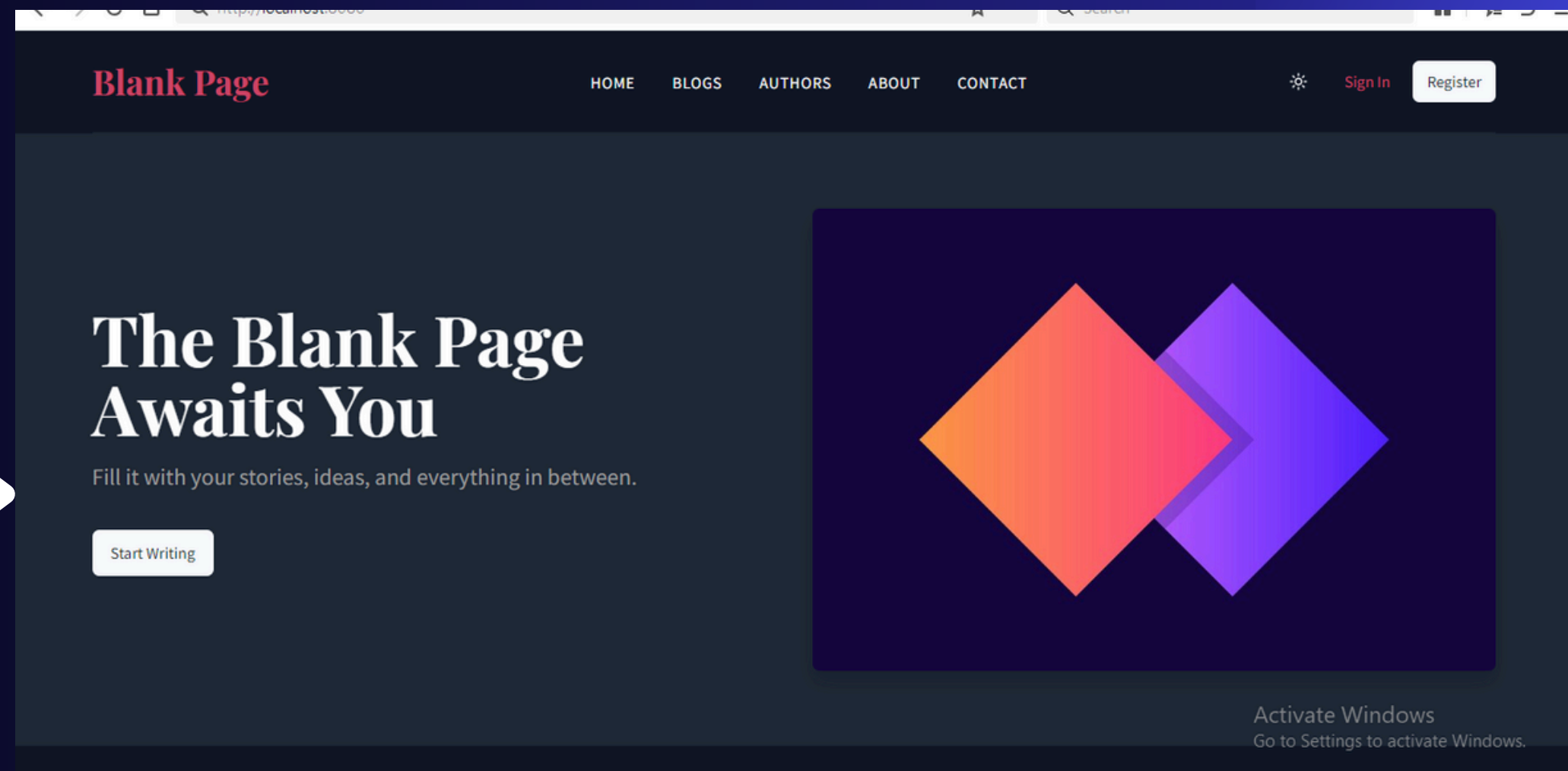## DARK MODE SUPPORT

- ADD TOGGLE BETWEEN DARK AND LIGHT THEMES

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USER ROLES

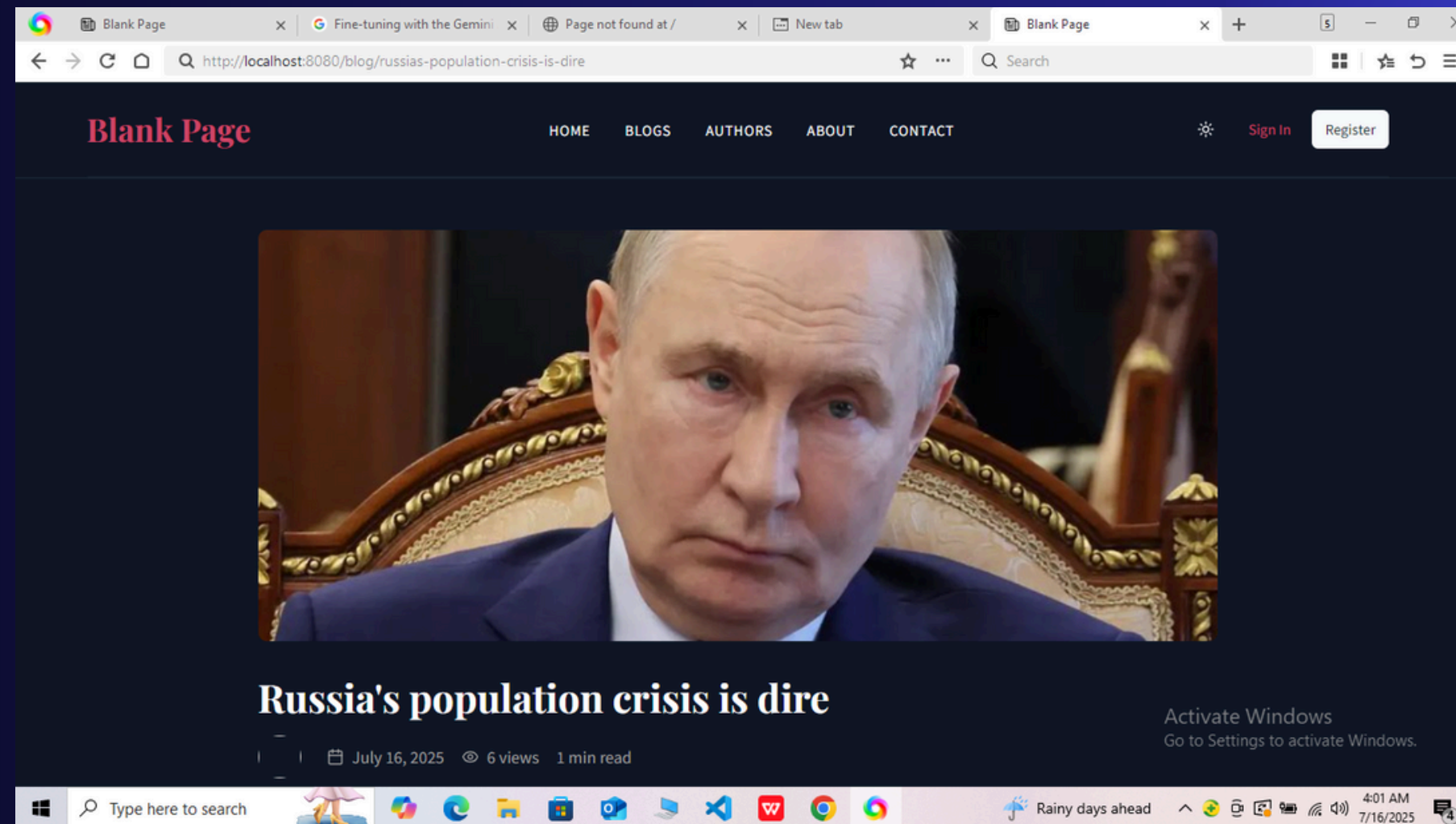**AUTHOR: CAN WRITE, EDIT, AND PUBLISH OWN**

BLOGS

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USER ROLES

READER: CAN ONLY READ AND COMMENT ON BLOGS (IF COMMENTS ENABLED)

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CATEGORIZATION

- **ASSIGN BLOG POSTS TO ONE OR MORE CATEGORIES**
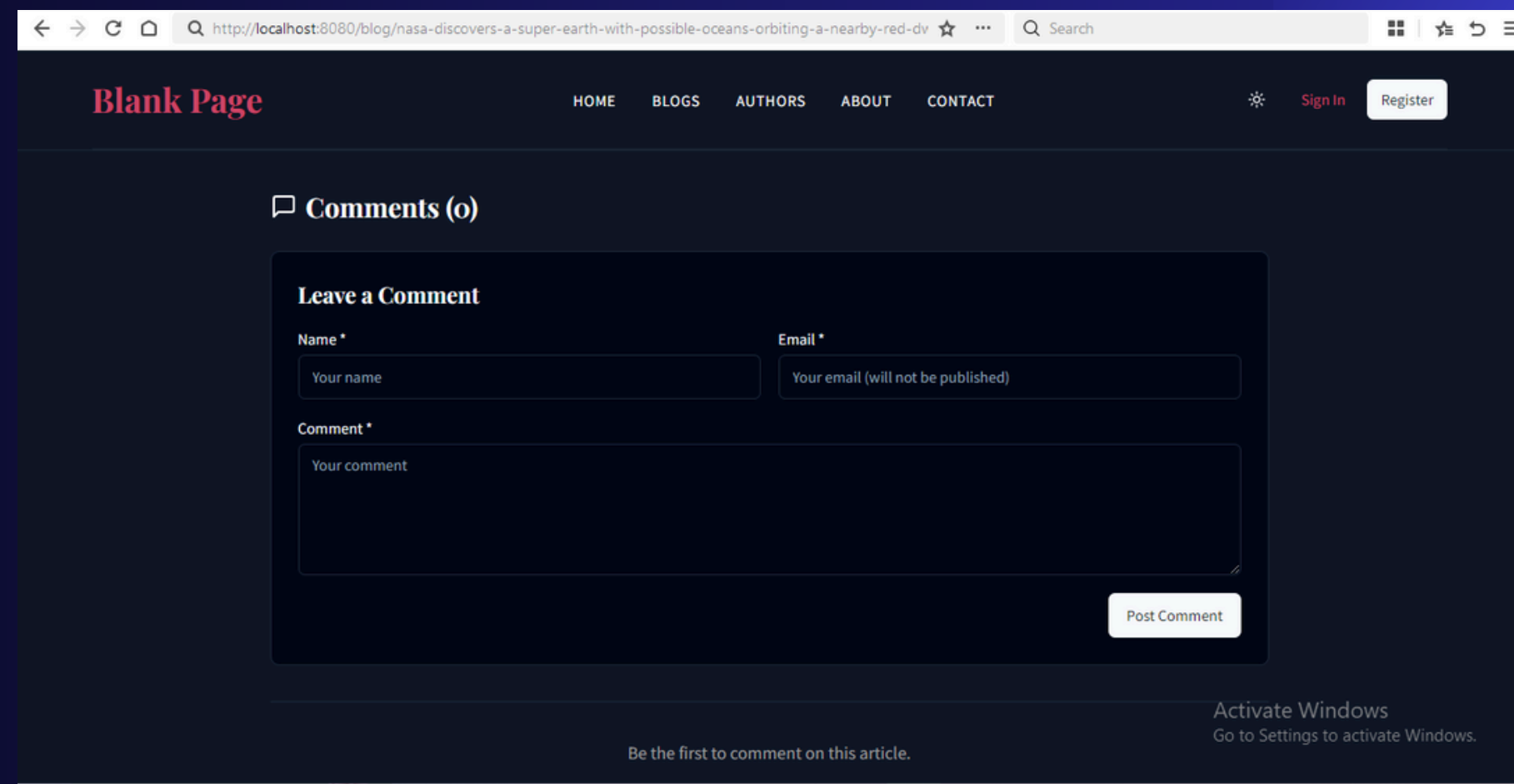
- **FILTER BLOGS BY CATEGORY**

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COMMENTS SECTION

- ALLOW READERS TO COMMENT ON BLOGS
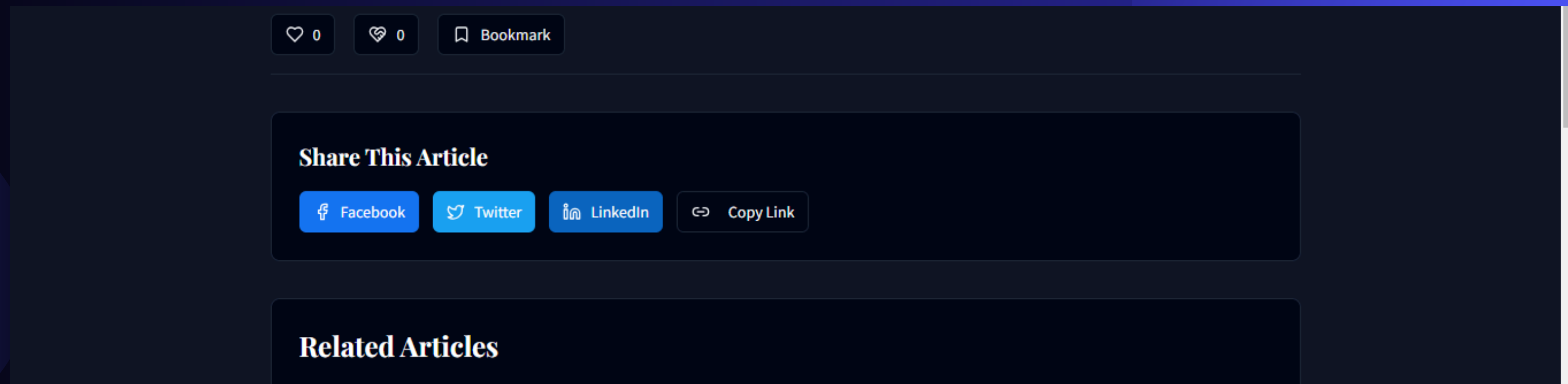
- ADMIN OR AUTHOR CAN APPROVE/DELETE COMMENTS

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RESPONSIVE DESIGN

FULLY FUNCTIONAL ON MOBILE, TABLET, AND DESKTOP

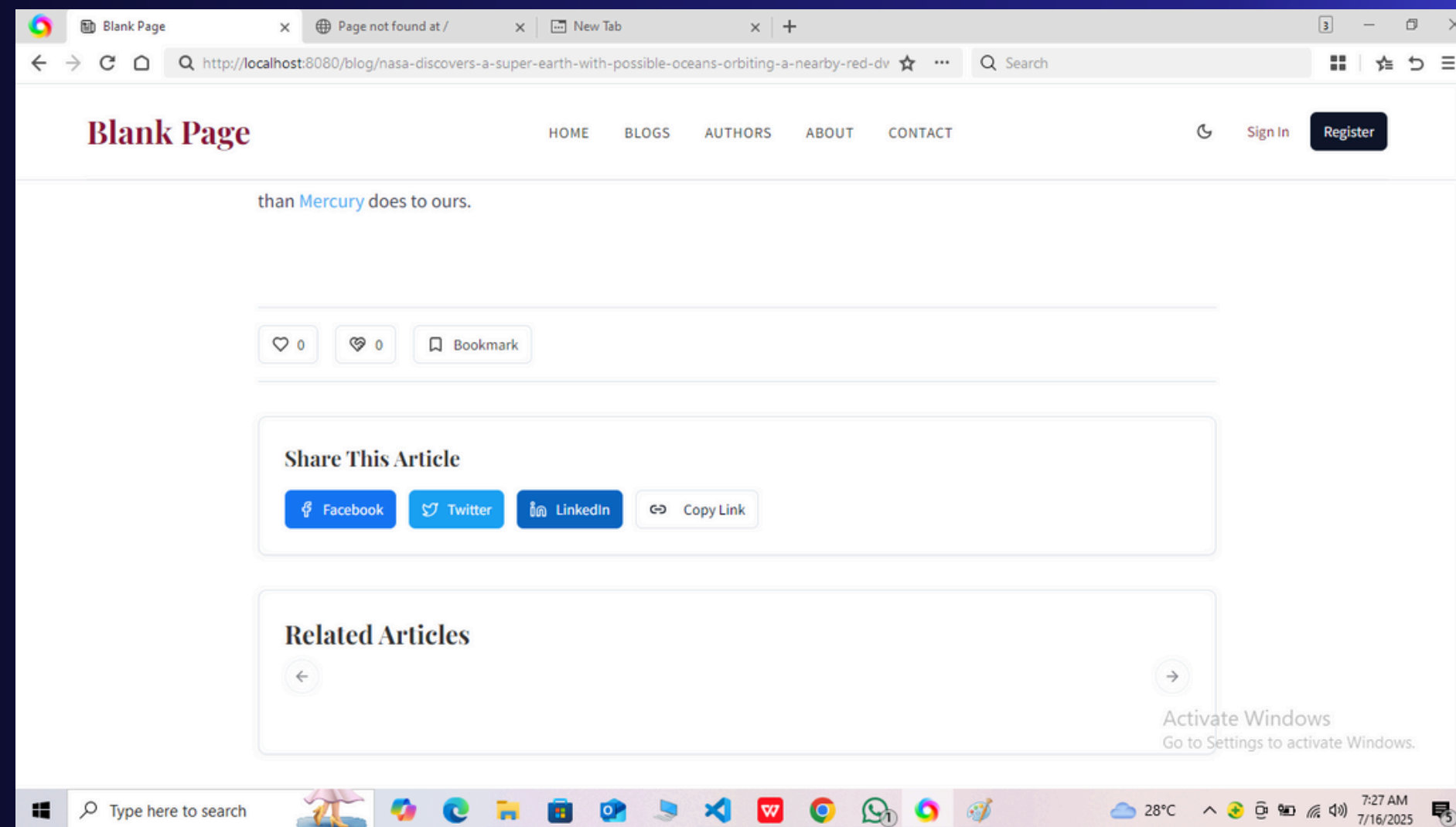# LETS JUMP INTO CORE FEATURES

SOCIAL SHARING

SHARE BLOGS ON FACEBOOK, TWITTER, LINKEDIN ETC.

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BLOG ANALYTICS/BOOKMARK

TRACK NUMBER OF VIEWS, LIKES, AND USERS CAN LIKE OR BOOKMARK POSTS TO READ LATER

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FRONTEND FUNCTIONALITY

- USER CAN CONTACT THROUGH THIS PAGE

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FRONTEND FUNCTIONALITY

- CLEAN HOMEPAGE WITH LIST OF RECENT BLOGS

- INDIVIDUAL BLOG DETAIL PAGE

- AUTHOR PROFILE PAGES

- CATEGORY-WISE AND TAG-WISE BLOG LISTINGS

- CONTACT PAGE / ABOUT PAGE

LETS JUMP INTO CORE FEATURES

BACKEND/ADMIN FUNCTIONALITY

- DASHBOARD FOR ADMIN AND AUTHOR

- CRUD FOR CATEGORIES AND TAGS

- MANAGE COMMENTS (APPROVE/DELETE/SPAM)

- CONTENT APPROVAL SYSTEM (IF NEEDED)

FUTURE IMPROVEMENTS FOR THIS BLOG WEBSITE

2.USER EXPERIENCE & UI IMPROVEMENTS

- NOTIFICATION SYSTEM

  IN-SITE OR BROWSER NOTIFICATIONS FOR NEW BLOGS, LIKES, COMMENTS, REPLIES

- INTERACTIVE COMMENTS

  SHOW TOP COMMENTS

User Flow

- USER REGISTERS → WAITS FOR ADMIN APPROVAL (IF AUTHOR)

- AUTHOR LOGS IN → CREATES A BLOG → ASSIGNS CATEGORY & TAGS

- NORMAL USER LOGS IN → READS BLOGS → ADDS COMMENTS

- ADMIN LOGS IN → MANAGES USERS/BLOGS/COMMENTS

Challenges Faced

- **MANAGING ROLE-BASED PERMISSIONS**

- **API INTEGRATION BETWEEN REACT AND DJANGO**

Conclusion & Future Scope

- FULL-STACK DEVELOPMENT WITH API COMMUNICATION
- IMPORTANCE OF CLEAN UX FOR ROLE-BASED ACCESS

- FUTURE PLANS:
- - ADD IMAGE UPLOAD
- - PAGINATION AND SEARCH FILTERS

FUTURE IMPROVEMENTS FOR THIS BLOG WEBSITE

TECHNICAL ENHANCEMENTS

- PROGRESSIVE WEB APP (PWA)

  INSTALLABLE BLOG SITE WITH OFFLINE READING CAPABILITY

- MULTILINGUAL SUPPORT

  TRANSLATE CONTENT INTO MULTIPLE LANGUAGES

  USER CAN CHOOSE PREFERRED LANGUAGE

Thank You