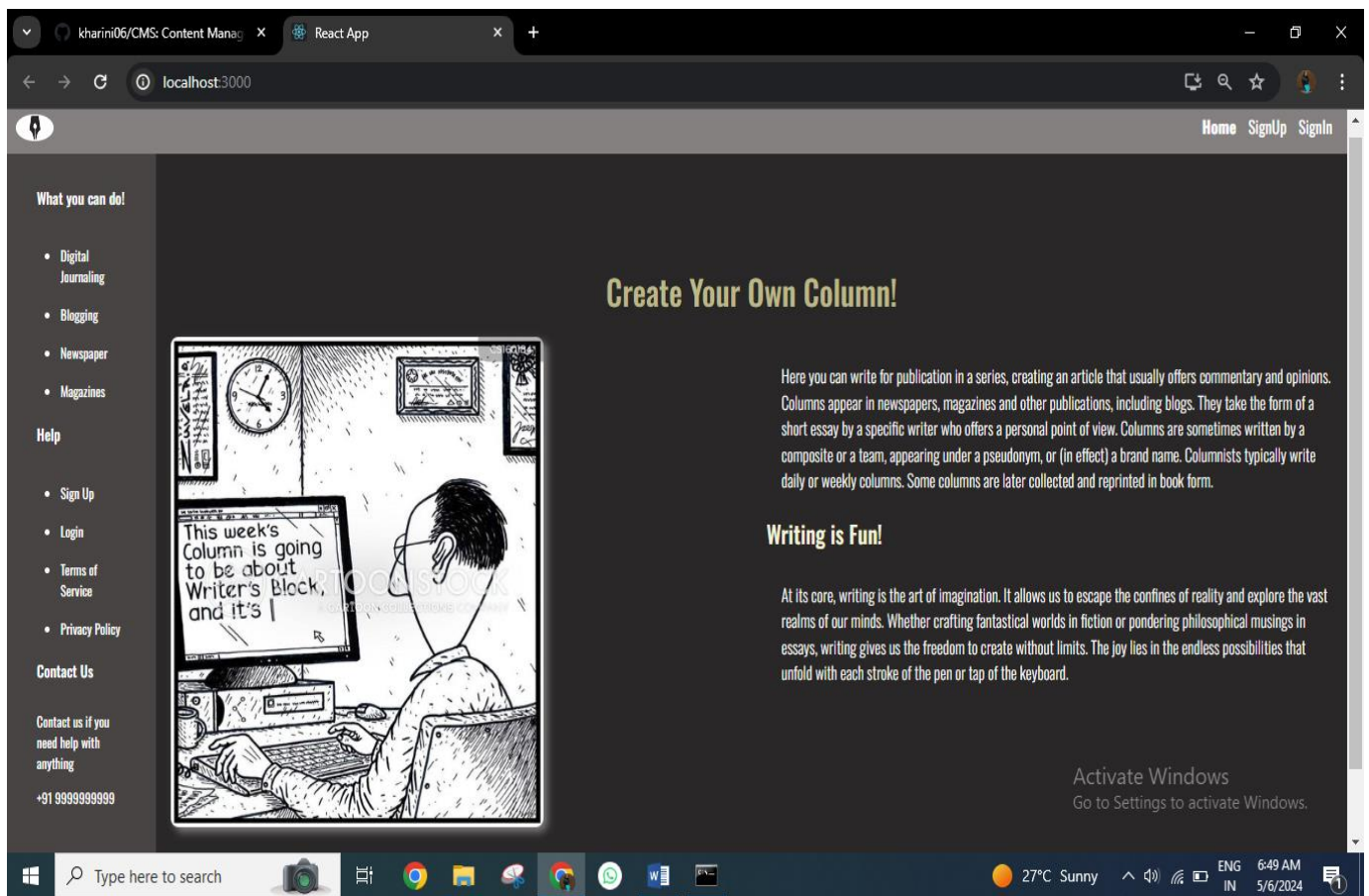


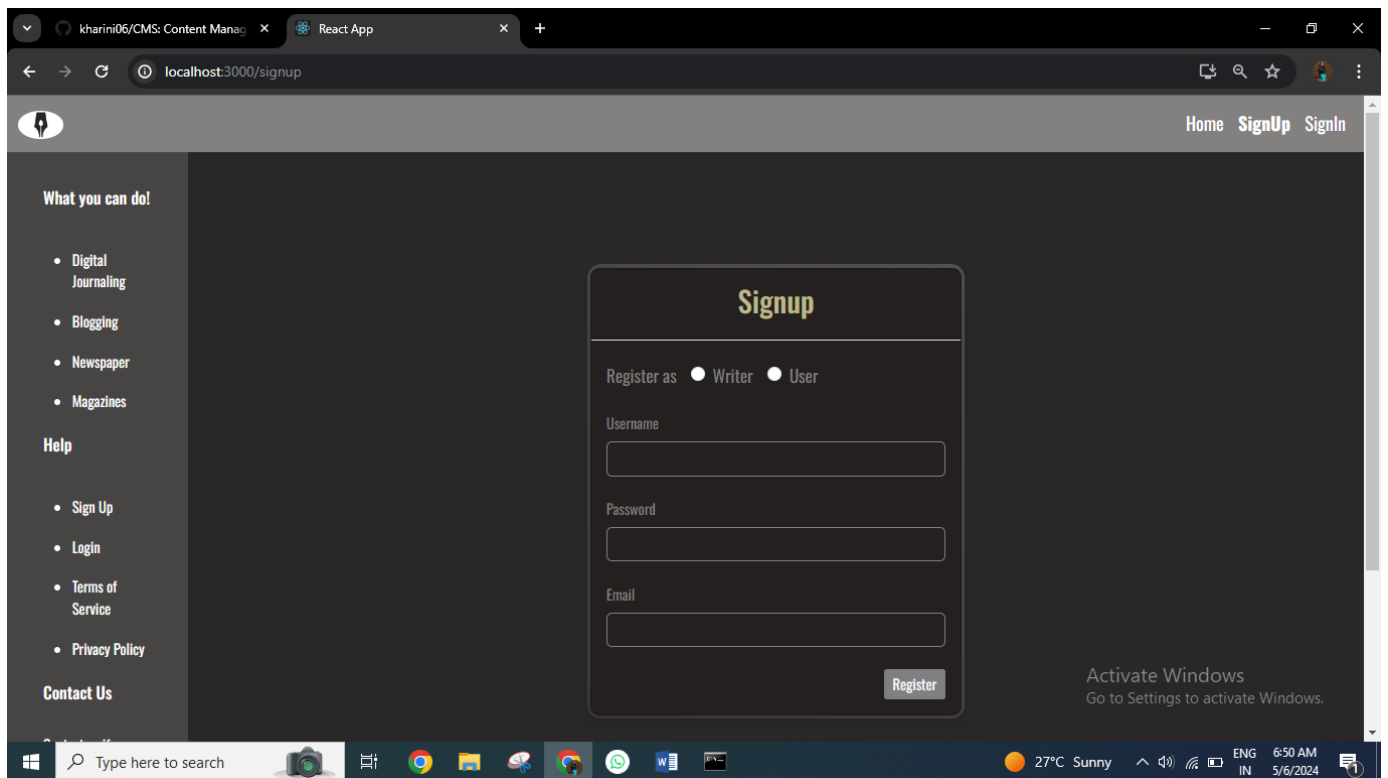
## PROJECT OUTCOME:

This is a **Content Management System** that helps you create, manage, and publish content on the web. It also helps keep content organized and accessible so it can be used and repurposed effectively.

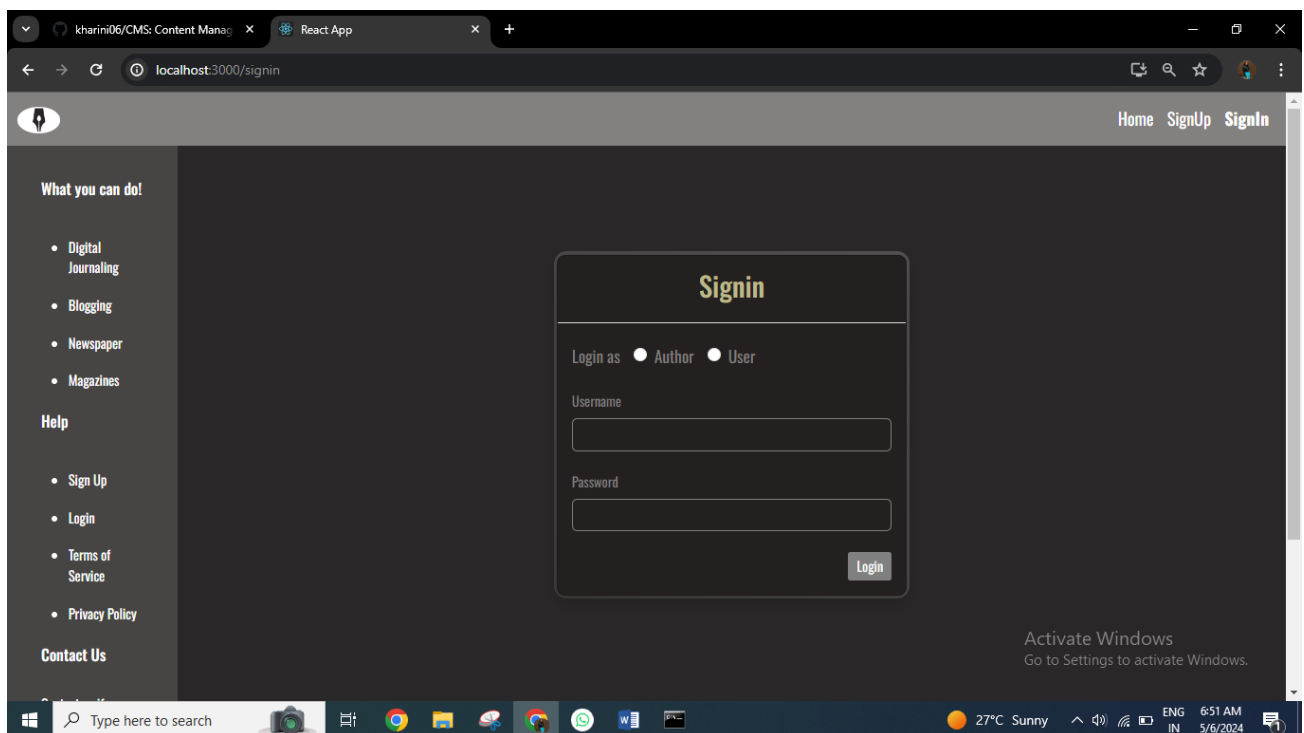
### Home Page:

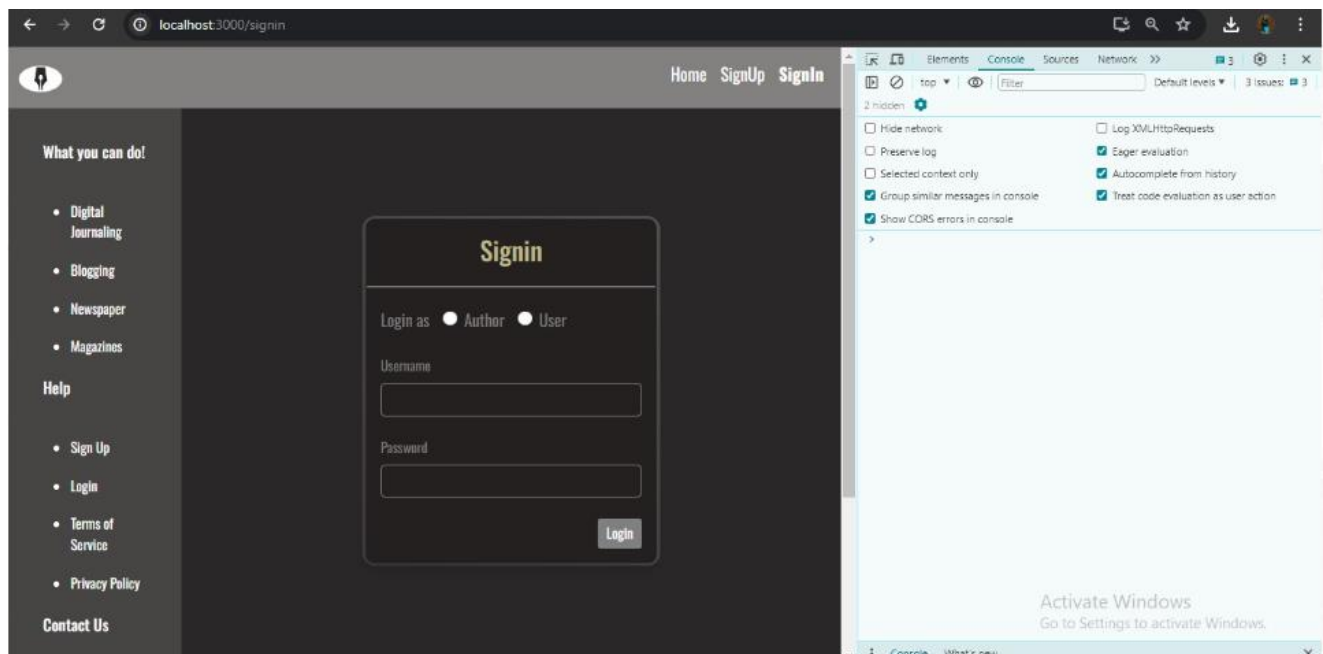


### Sign Up:

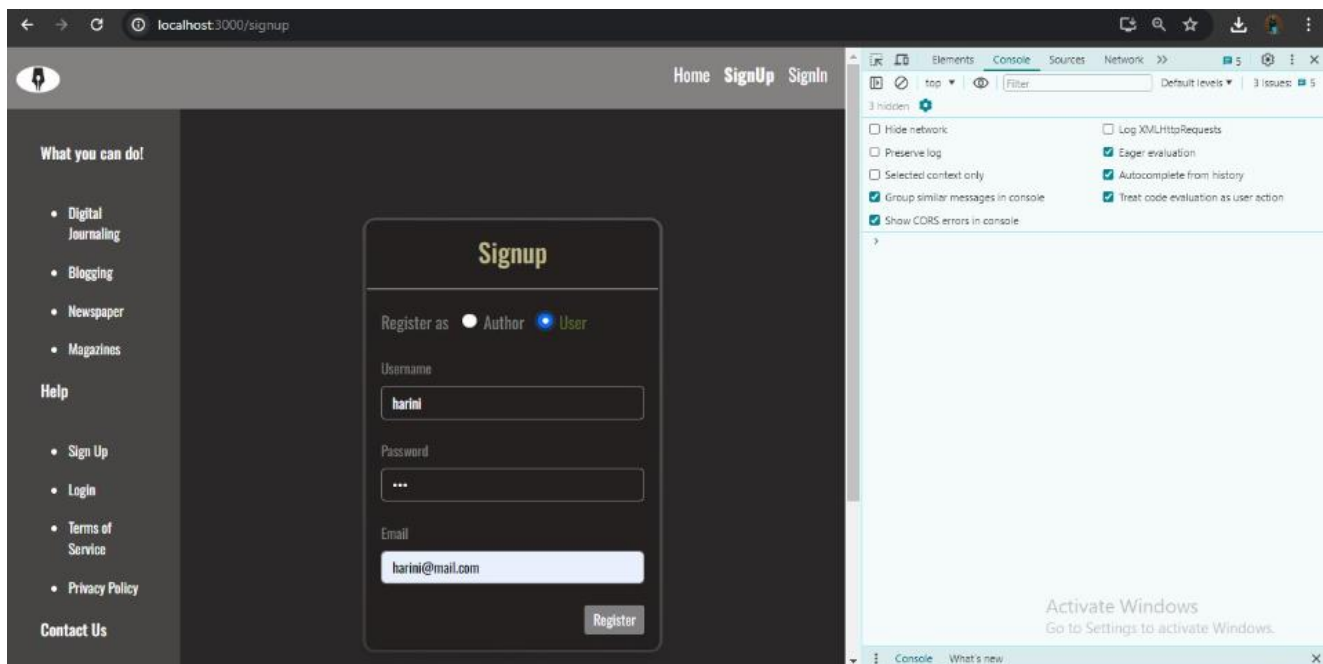


## Sign In:





Let us perform an example SignUp operation:



And yet another:

localhost:3000/signup

Home **SignUp** SignIn

What you can do!

- Digital Journaling
- Blogging
- Newspaper
- Magazines

Help

- Sign Up
- Login
- Terms of Service
- Privacy Policy

Contact Us

## Signup

Register as ☒ Author ☐ User

Username

nandhini

Password

....

Email

nandhini@mail.com

Register

Activate Windows  
Go to Settings to activate Windows.

Let's check the update in the database:

```
test> use harinidb
switched to db harinidb
harinidb> db.articles.deleteMany()
MongoshInvalidInputError: [COMMON-10001] Missing required argument at position 0 (Collection.deleteMany)
harinidb> db.articles.deleteMany({})
{ acknowledged: true, deletedCount: 3 }
harinidb> db.users.deleteMany({})
{ acknowledged: true, deletedCount: 1 }
harinidb> db.columnists.deleteMany({})
{ acknowledged: true, deletedCount: 0 }
harinidb> db.columnists.find()

harinidb> db.users.find()

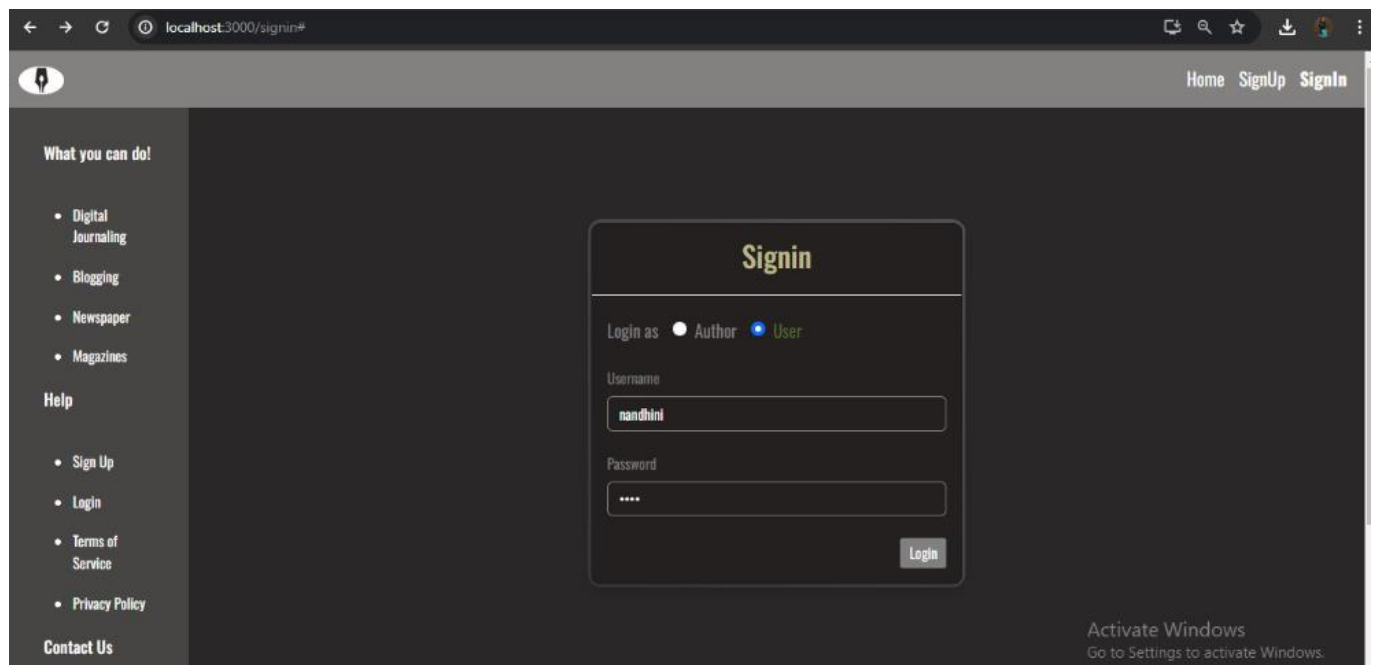
harinidb> db.articles.find()

harinidb> db.users.find()
[
  {
    _id: ObjectId('6637606f344890384ae5bb6a'),
    userType: 'user',
    username: 'harini',
    password: '$2a$06$InTo2hYf19bpbbH/xhS8D0Qok1eYnIEPHet8L86fdGRAlpWALwXu',
    email: 'harini@mail.com'
  }
]
harinidb>
```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
harinidb> db.users.find()
[
  {
    _id: ObjectId('6637606f344890384ae5bb6a'),
    userType: 'user',
    username: 'harini',
    password: '$2a$06$InToZhYf19bpbbH/xhS8DQok1eYnIEPHet8L86fdGRAWlpWALwXu',
    email: 'harini@mail.com'
  },
  {
    _id: ObjectId('663764426bf572f893514bfd'),
    userType: 'user',
    username: 'nandhini',
    password: '$2a$06$ABWX8zxLVEoTTToN61PxHx0YrQXl01TneY1Jeq6f7dFEy1uzY0nCLC',
    email: 'nandhini@mail.com'
  }
]
harinidb> _
```

Hence, it is updated!

Sign in:

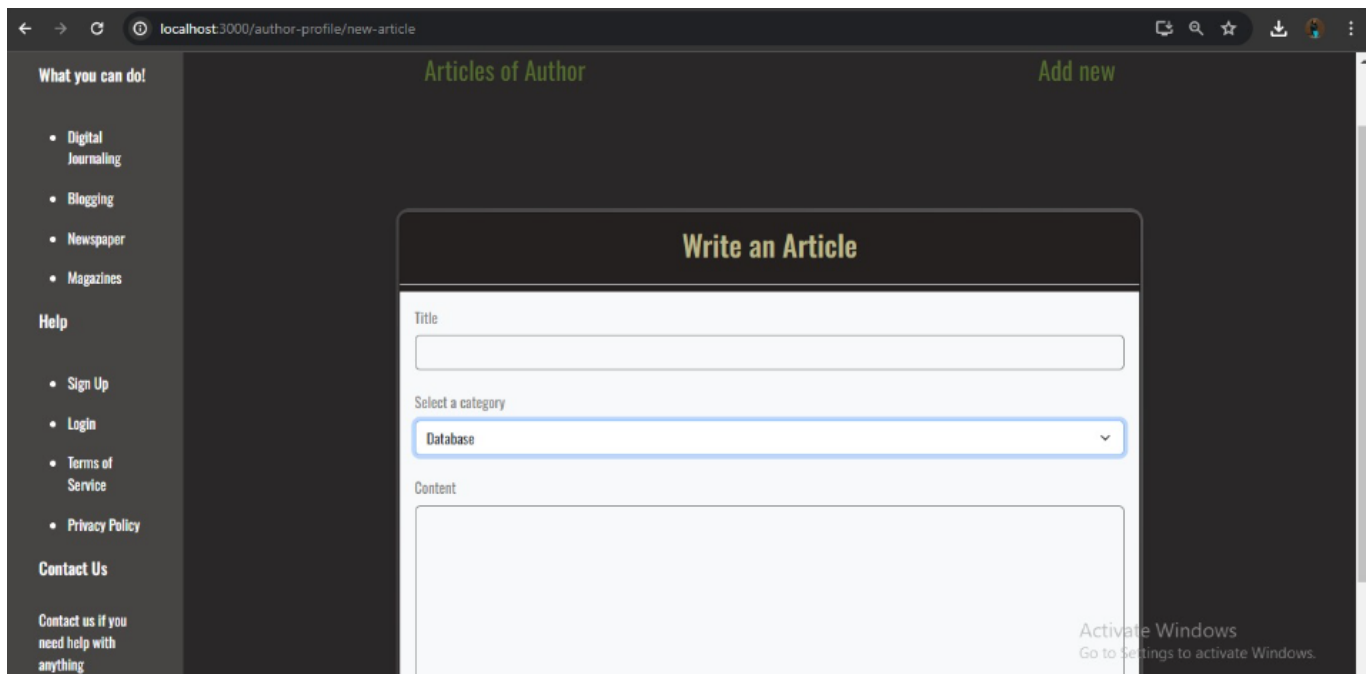


A sign-in as author directs us to author-profile:

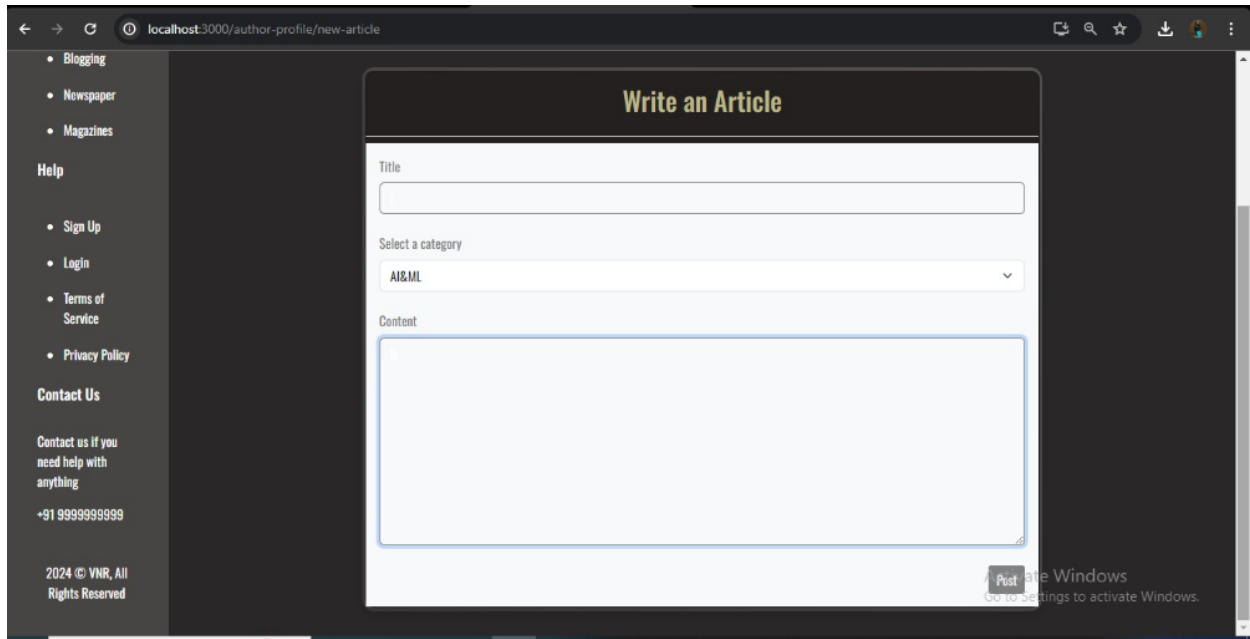


**It is empty as we have not added any articles yet.**

**Add new :**



**Write an Article:**



**DB connection:**

```
C:\Windows\System32\cmd.exe - node --watch server
Restarting 'server'
the http server on the port 6000 ...
Successful DB connection
```

**localhost3000:**

```
Windows PowerShell
Compiled successfully!

You can now view frontend in the browser.

Local:      http://localhost:3000
On Your Network:  http://192.168.29.89:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

Let us now see all operations through database:

### Connecting to database:

```
C:\Program Files\MongoDB>mongosh
Current Mongosh Log ID: 662e3094eb318968309f9909
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.2
Using MongoDB:      7.0.7
Using Mongosh:       2.2.2
mongosh 2.2.5 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
  The server generated these startup warnings when booting
  2024-04-26T20:49:59.461+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
  -----

test> use harinidb
switched to db harinidb
harinidb> show databases
admin    40.00 KiB
config  108.00 KiB
local   72.00 KiB
harinidb> db.createCollection
```

Showing collections:



```

harinidb> db.users.find()

harinidb> db.columnist.find()

harinidb> db.users.find()
[
  {
    _id: ObjectId('6630a52afa099de39dcc519a'),
    userType: 'user',
    username: 'harini',
    password: '$2a$06$Y71uA.9hFFSkDuINyIr.OxNI0HW/NzWuYrU4kFwp/e3uoLeIuzS0',
    email: 'harini@mail.com'
  }
]
harinidb> db.columnist.find()
[
  {
    _id: ObjectId('6630a554fa099de39dcc519b'),
    userType: 'writer',
    username: 'nandhini',
    password: '$2a$06$ZzWvveGQYByVasqnR/daqO6hmZpSsJjKRNEgdaXsOtEDc46PZj4sK',
    email: 'nandi@mail.com'
  }
]
harinidb> show collections
articles
columnist
users
harinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',

```

## Articles added:

```

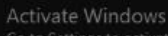
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material. ',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T08:21:05.350Z',
    username: 'harini',
    comments: [],
    status: true
  }
]
harinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material. ',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T08:21:05.350Z',
    username: 'harini',
    comments: [],
    status: true
  }
]
harinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material. ',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T08:21:05.350Z',
    username: 'harini',
    comments: [],
    status: true
  }
]

```

### Modification:

```
status: true}, {
  status: false}], [{"_id": "66349e717aa87b77e77b2ffd",
  articleId: "1714724465",
  title: "Digital Publishing",
  category: "Media and Entertainment",
  content: "Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material.",
  dateOfCreation: "2024-05-03T08:21:05.350Z",
  dateOfModification: "2024-05-03T08:21:05.350Z",
  username: "harini",
  comments: [],
  status: true}]]]
harinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material.',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T08:21:05.350Z',
    username: 'harini',
    comments: [],
    status: true
  }
]
harinidb>
harinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material.',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T08:21:05.350Z',
    username: 'harini',
    comments: [],
    status: true
  }
]
harinidb> db.articles.find()
[
  {

```

  
Activate Windows  
Go to Settings to activate Windows.

```

C:\mongodb> mongosh mongodb/127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
MongoDB shell version: 7.0.1
connect: 127.0.0.1:27017
connected to: 127.0.0.1:27017
switched to db: test

marinidb> db.articles.updateOne({articleId: '1714724465'}, {$set: {status: true}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

marinidb> db.articles.find()
{
  "_id": ObjectId("66349e717aa87b7677b2f4fd"),
  "articleId": "1714724465",
  "title": "Digital Publishing",
  "category": "Media and Entertainment",
  "content": "Digital publishing has revolutionized the landscape of the publishing industry. ",
  "dateOfCreation": "2024-05-03T08:21:05.350Z",
  "dateOfModification": "2024-05-03T12:38:47.668Z",
  "username": "nandhini",
  "comments": [],
  "status": false,
  "pictures": [
    {
      url: "https://encrypted-tbn0.gstatic.com/images?q-tbn:ANd9GcQEDm3Yxn5tlWjdTtD4VGy_7SoIuyOZXoW4Pw8usqp-CAU",
      caption: "Beautiful scenery"
    },
    {
      url: "https://encrypted-tbn0.gstatic.com/images?q-tbn:ANd9GcRiWvhJzoZVB_7dYnVsG7v2w3wZU3Vb5Wz5sa8usqp-CAU",
      caption: "Interesting art work"
    }
  ]
},
{
  "_id": ObjectId("6634e94f95c2c029917abb7a"),
  "articleId": "1714743631",
  "title": "Digital Publishing",
  "category": "Media and Entertainment",
  "content": "Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material. ",
  "dateOfCreation": "2024-05-03T13:40:31.099Z",
  "dateOfModification": "2024-05-03T13:40:31.099Z",

```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
narinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
    articleId: '1714724465',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. ',
    dateOfCreation: '2024-05-03T08:21:05.350Z',
    dateOfModification: '2024-05-03T12:38:47.668Z',
    username: 'nandhini',
    comments: [],
    status: false,
    pictures: [
      {
        url: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQEDm3Yxn5tlWjd3tD4VGy_35oiuyO2XoW4Mw&usqp=CAU',
        caption: 'Beautiful scenery'
      },
      {
        url: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcHwVwhJzoZV8_7dYnVsG7v2w3w2UjVb5Wz5sA&usqp=CAU',
        caption: 'Interesting art work'
      }
    ]
  },
  {
    _id: ObjectId('6634e94f95c2c029917abb7a'),
    articleId: '1714743631',
    title: 'Digital Publishing',
    category: 'Media and Entertainment',
    content: 'Digital publishing has revolutionized the landscape of the publishing industry. It offers a multitude of benefits, such as increased accessibility, cost-effectiveness, and global reach. With the rise of e-books, online magazines, and digital newspapers, readers can conveniently access a vast array of content on their devices anytime, anywhere. Moreover, digital publishing allows for interactive features, multimedia integration, and personalized reading experiences. It has undoubtedly transformed the way we consume and engage with written material. ',
    dateOfCreation: '2024-05-03T13:40:31.099Z',
    dateOfModification: '2024-05-03T13:40:31.099Z',
    username: 'nandhini',
    comments: [],
    status: true
  }
]
narinidb> db.articles.find()
[
  {
    _id: ObjectId('66349e717aa87b77e77b2ffd'),
```

The operations that can be performed are as follows:

**WRITER/ COLUMNIST:**

**Sign up**

**Sign in**

**Add new column**

**View columns/articles**

**Edit and delete columns**

**Add images to columns**

**USER:**

**Sign up**

**Sign in**

**View columns**

**THANK YOU!**