

This was not written by me (article.ejs)

```
<!-- Script below was written by the friend of mine-->

<script>

  const articleIds = <%= JSON.stringify(article.map(a => a.article_id)) %>;

  const commentForm = document.querySelector('form');

  const articleIdInput = document.getElementById('article_id_input');

  commentForm.addEventListener('submit', (event) => {

    // Get the current article_id associated with the comment form

    const currentArticleId = articleIds[0]; // You can modify this depending
on your logic

    // Set the value of the article_id input field with the current
article_id

    articleIdInput.value = currentArticleId;

  });

</script>
```

The rest I wrote myself

```
const express = require('express');
const bodyParser = require('body-parser')
const app = express();
const port = 3000;
const sqlite3 = require('sqlite3').verbose();

app.use(bodyParser.json())
app.use(bodyParser.urlencoded({ extended: false })))
```

```
//items in the global namespace are accessible throughout the node application
global.db = new sqlite3.Database('./database.db',function(err){
  if(err){
    console.error(err);
    process.exit(1); //Bail out we can't connect to the DB
  }else{
    console.log("Database connected");
    global.db.run("PRAGMA foreign_keys=ON"); //This tells SQLite to pay attention
    to foreign key constraints
  }
});
```

```
const userRoutes = require('./routes/user');
```

```
//set the app to use ejs for rendering
app.set('view engine', 'ejs');
```

```
// this renders the homepage with the articles
app.get("/", function (req, res) {
  //searching in the database
  let sqlquery = "SELECT * FROM `Articles`";
  // execute sql query
  db.all(sqlquery, (err, result) => {
    if (err) {
      return console.error("No articles "
        + req.query.keyword + " error: " + err.message);
    }else{
```

```

        res.render ('home',{availableArticles:result});
    }
});
});

```

// Create new user in a database, input is taken from the form field on the left side of the window

```

app.post("/home", function (req,res) {
    // saving data in database
    console.log(req.body)

    let sqlquery = "INSERT INTO Users (username, password, email, is_author)
VALUES (?, ?, ?, ?)";

    // execute sql query

    let newrecord = [req.body.username, req.body.password, req.body.email,
req.body.is_author];

    db.run(sqlquery, newrecord, (err, result) => {
        if (err) {
            return console.error(err.message);
        }else
            res.send("Your account has been created, <br> <b>Username:</b> "+
req.body.username + "<br><b> Password: </b>"+ req.body.password + " <br><b> email:
</b>"+ req.body.email +

            "<br><b>Author:</b> "+ req.body.is_author + "<br> <a href='/' class='btn
btn-secondary mt-3'>Go Back</a>")

        });
    });
});

```

// Add comment under an article, input taken from the comment form on the article page.

```

app.post('/submit-comment', (req, res) => {

```

```

const articleId = req.body.article_id;
const authorName = req.body.author_name;
const email = req.body.email;
const commentText = req.body.comment;

const sqlQuery = 'INSERT INTO Comments (article_id, author_name, email,
comment, comment_date) VALUES (?, ?, ?, ?, DATE("now"))';

const values = [articleId, authorName, email, commentText];
console.log(values)
db.run(sqlQuery, values, (err) => {
  if (err) {
    console.error('Error inserting comment:', err.message);
    res.status(500).send('Error submitting comment.');
```

```

  } else {
    console.log('Comment inserted successfully.');
```

```

    res.redirect('/article-id?id=' + articleId);
  }
});
});

// render authors page using the data in the database
app.get('/authors_page', (req, res) => {
  //searching in the database
  const articlequery = "SELECT * FROM `Articles`";
  const draftquery = "SELECT * FROM `Drafts`";

  db.serialize(()=>{
    db.all(articlequery, (err, articleResults) => {
```

```

    if (err) {
      return console.error("No keyword found in any of the articles "
        + req.query.keyword + " error: " + err.message);
    }

    db.all(draftquery, (err, draftResults) => {
      if (err) {
        return console.error("Error fetching comment data: " + err.message);
      }

      res.render('authors_page', {publishedArticles:articleResults,
draftArticles: draftResults });

    });
  })
});
});

```

// Delete an article from the authors page

```

app.post('/delete-article', (req, res) => {
  const articleId = req.body.article_id;

  const sqlQuery = 'DELETE FROM Articles WHERE article_id = ?';
  db.run(sqlQuery, articleId, (err) => {
    if (err) {
      console.error('Error deleting article:', err.message);
      res.status(500).send('Error deleting article.');
    } else {
      console.log('Article deleted successfully.');
      res.redirect('/authors_page');
    }
  })
});

```

```
});  
});
```

```
// Delete draft from the authors page
```

```
app.post('/delete-draft', (req, res) => {  
  const draftId = req.body.draft_id;  
  
  const sqlQuery = 'DELETE FROM Drafts WHERE draft_id = ?;';  
  db.run(sqlQuery, draftId, (err) => {  
    if (err) {  
      console.error('Error deleting article:', err.message);  
      res.status(500).send('Error deleting article.');    } else {  
      console.log('Draft deleted successfully.');      res.redirect('/authors_page');    }  
  });  
});
```

```
// Publish draft using a button on the authors page
```

```
app.post('/publish-draft', (req, res) => {  
  const draftId = req.body.draft_id;  
  
  const sqlQuery = 'INSERT INTO Articles (title, subtitle, content,  
publication_date, user_id) SELECT title, subtitle, content, DATE("now"), user_id  
FROM Drafts WHERE draft_id = ?;';  
  
  const deletequery = 'DELETE FROM Drafts WHERE draft_id = ?;';
```

```

db.serialize(()=>{
  db.run(sqlQuery, draftId, (err) => {
    if (err) {
      console.error('Error publishing article:', err.message);
      res.status(500).send('Error publishing article.');
```

```

    }
    db.run(deletequery, draftId, (err) => {
      if (err) {
        console.error('Error deleting article:', err.message);
        res.status(500).send('Error deleteing article.');
```

```

      }else {
        console.log('Draft published successfully.');
```

```

        res.redirect('/authors_page');
      };
    });
  });
});
});

// not used
app.get('/authors_settings', (req, res) => {
  // Render the home.ejs file
  res.render('authors_settings');
```

```

});

// show the draft for editing from the authors page
app.get('/edit_draft', (req, res) => {
  //searching in the database
```

```

let id = `${req.query.id}`;

let sqlquery = "SELECT * FROM `Drafts` WHERE draft_id = ?;";

db.all(sqlquery, id, (err, articleResults) => {
  if (err) {
    return console.error("Error fetching article data: " + err.message);
  }
  res.render('edit_draft',{availableDraft:articleResults})
});
});

// updating the edited draft

app.post('/changed-draft', (req, res) => {
  const {articleTitle, articleSubtitle, articleText, userId, draftId} =
req.body;

  const sqlQuery = 'UPDATE Drafts SET title = "?", subtitle = "?", content =
"?", publication_date = DATE("now"), user_id = "?" WHERE draft_id = ?;';

  db.run(sqlQuery, [articleTitle, articleSubtitle, articleText, userId,
draftId], (err) => {
    if (err) {
      console.error('Error updating article:', err.message);
      res.status(500).send('Error updating article. ');
    } else {
      console.log('Article updated successfully. ');
      // Redirect to the author's page
      res.redirect('/authors_page');
    }
  })
});

```



```

    });
  });

  // Render the create_draft page
  app.get('/create_draft', (req, res) => {
    // Render the home.ejs file
    res.render('create_draft');
  })

  // send created draft to the database
  app.post('/create-draft', (req, res) => {
    const {articleTitle, articleSubtitle, articleText, userId} = req.body;

    const sqlQuery = 'INSERT INTO Drafts (title, subtitle, content,
publication_date, user_id) VALUES (?, ?, ?, DATE("now"), ?)';

    db.run(sqlQuery, [articleTitle, articleSubtitle, articleText, userId], (err) =>
    {
      if (err) {
        console.error('Error creating article:', err.message);
        res.status(500).send('Error creating article.');
      } else {
        console.log('Article created successfully.');
        // Redirect to the author's page
        res.redirect('/authors_page');
      }
    });
  });
});

```

```

// searching through the articles for the specified keyword
app.get("/search-result-db", function (req, res) {
  //searching in the database
  let word = `${req.query.keyword}`;
  let sqlquery = "SELECT * FROM `Articles` WHERE content LIKE ?";
  // execute sql query
  db.all(sqlquery,word, (err, result) => {
    if (err) {
      return console.error("No keyword found in any of the articles "
        + req.query.keyword + " error: " + err.message);
    }else{
      console.log(word)
      res.render ('list_of_articles',{availableArticles:result});
    }
  });
});
});

```

// render the one article and comments after clicking "Read more" on the home page.

```

app.get("/article-id", function (req, res) {
  //searching in the database
  let id = `${req.query.id}`;
  let sqlquery = "SELECT * FROM `Articles` WHERE article_id = ?";
  let commentquery = "SELECT * FROM Comments WHERE article_id = ?";

  db.serialize(() => {

```

```

    db.all(sqlquery, id, (err, articleResults) => {
      if (err) {
        return console.error("Error fetching article data: " + err.message);
      }
      db.all(commentquery, id, (err, commentResults) => {
        if (err) {
          return console.error("Error fetching comment data: " + err.message);
        }
        res.render('article', { article: articleResults, comments: commentResults
      });
    });
  });
});
});
});

```

```

//this adds all the userRoutes to the app under the path /user
app.use('/user', userRoutes);

```

```

app.listen(port, () => {
  console.log(`Example app listening on port ${port}`)
})

```

```

<!DOCTYPE html>
<html>
<head>
  <title>Reader - Article Page</title>

```

```
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">

</head>

<body>

  <header class="container mt-4 mb-4">

    <ul class="list-group">

      % article.forEach(function(article) { %>

        <li class="list-group-item">

          <h1 class="display-4"> %= article.title %></h1>

          <h2> %= article.subtitle %></h2>

          <p>Published on <b> %= article.publication_date %></b></p>

          <p>Likes:  %= article.likes %></p>

        </li>

        <div class="card mt-2">

          <div class="card-body m-2">

            <article>

              <p> %= article.content %></p>

            </article>

          </div>

        </div>

      % }) %>

    </ul>

  </header>

  <main class="container">

    <button id="likeButton" onclick="likeArticle()">Like</button>
```

```

<div class="col-md-6">
  <h2>Add a Comment</h2>
  <form action="/submit-comment" method="POST">
    <input type="hidden" name="article_id" id="article_id_input">
    <div class="form-group">
      <label for="author_name">Your Name:</label>
      <input type="text" class="form-control" id="author_name"
name="author_name" required>
    </div>
    <div class="form-group">
      <label for="email">Email:</label>
      <input type="email" class="form-control" id="email" name="email"
required>
    </div>
    <div class="form-group">
      <label for="comment">Your Comment:</label>
      <textarea class="form-control" id="comment" name="comment" rows="3"
required></textarea>
    </div>
    <button type="submit" class="btn btn-secondary mt-3">Submit
Comment</button>
  </form>
</div>

```

```

<h2 class="mt-4">Previous Comments</h2>
<ul class="list-group">
  % comments.forEach(function(comment) { %>
    <li class="list-group-item">

```

```
    <p>   %= comment.comment_date %></p>

    <p>   %= comment.comment %></p>

    <p>   %= comment.author_name %></p>

    <p>   %= comment.email %></p>

  </li>

% }) %>

</ul>

<div class="pb-5">

  <a href="/" class="btn btn-danger mt-4">Back to home</a>

</div>

</main>
```

```
<!-- Script below was written by the friend of mine-->

<script>

  const articleIds = <%= JSON.stringify(article.map(a => a.article_id)) %>;
  const commentForm = document.querySelector('form');
  const articleIdInput = document.getElementById('article_id_input');

  commentForm.addEventListener('submit', (event) => {

    // Get the current article_id associated with the comment form

    const currentArticleId = articleIds[0]; // You can modify this depending
on your logic

    // Set the value of the article_id input field with the current
article_id

    articleIdInput.value = currentArticleId;

  });

</script>

</body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Author - Home Page</title>
```

```
  <link
```

```
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
```

```
    rel="stylesheet" integrity="sha384-
```

```
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
```

```
    crossorigin="anonymous">
```

```
</head>
```

```
<body>
```

```
  <header class="container mt-4 mb-4">
```

```
    <h1>Paweł - Author Home Page</h1>
```

```
    <div class="d-flex">
```

```
      <button href="/author/settings" class="btn btn-warning me-2">Settings</button>
```

```
      <form action="/create_draft" method="GET">
```

```
        <button class="btn btn-info">Create new draft</button>
```

```
      </form>
```

```
    </div>
```

```
</header>
```

```
<main class="container">
```

```
  <section class="published-articles mt-4 mb-4">
```

```
    <h2>Published Articles</h2>
```

```
    <ul class="list-group">
```

```
      % publishedArticles.forEach(function(article) { %>
```

```

<div class="card m-1">
  <li class="list-group-item">
    <h3> %= article.title %></h3>
    <p>Subtitle:  %= article.subtitle %></p>
    <p>Published on:  %= article. publication_date %></p>
    <p> %= article.content.substring(0, 250) + "... " %></p>
    <p>Likes:  %= article.likes %></p>
    <div class="d-flex">
      <form action="/article-id" method="GET">
        <div class="pe-2">
          <input type="hidden" name="id" value=" %= article.article_id
%>">
          <button type="submit" class="btn btn-primary">Read
more</button>
        </div>
      </form>
      <form action="/delete-article" method="POST">
        <div class="pe-2">
          <input type="hidden" name="article_id" value=" %=
article.article_id %>">
          <button type="submit" class="btn btn-danger">Delete</button>
        </div>
      </form>
    </div>
  </li>
</div>
% }) %>
</ul>
</section>

```



```

<section class="draft-articles mt-4 mb-4">
  <h2>Draft Articles</h2>
  <ul class="list-group">
    % draftArticles.forEach(function(draft) { %>
      <div class="card m-1">
        <li class="list-group-item">
          <h3>%= draft.title %></h3>
          <p>Subtitle: %= draft.subtitle %></p>
          <p>Created on: %= draft.publication_date %></p>
          <p>%= draft.content.substring(0, 250) + "... " %></p>
          <div class="d-flex">
            <form action="/article-id" method="GET">
              <div class="pe-2">
                <input type="hidden" name="id" value="%= draft.draft_id%">
                <button type="submit" class="btn btn-primary">Read</button>
              </div>
            </form>
            <form action="/edit_draft" method="GET">
              <div class="pe-2">
                <input type="hidden" name="id" value="%= draft.draft_id%">
                <button type="submit" class="btn btn-warning">Edit</button>
              </div>
            </form>
            <form action="/publish-draft" method="POST">
              <div class="pe-2">
                <input type="hidden" name="draft_id" value="%=
draft.draft_id%">

```

```

        <button type="submit" class="btn btn-
success">Publish</button>

    </div>

</form>

<form action="/delete-draft" method="POST">

    <div class="pe-2">

        <input type="hidden" name="draft_id" value=" %=
draft.draft_id%">

        <button type="submit" class="btn btn-danger">Delete</button>

    </div>

</form>

</div>

</li>

</div>

% }) %>

</ul>

</section>

</main>

</body>

</html>

```

```

<!DOCTYPE html>

<html>

<head>

    <title>Author's Settings</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-

```

```
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">
```

```
</head>
```

```
<body>
```

```
    <header>
```

```
        <h1>Author - Settings Page</h1>
```

```
    </header>
```

```
    <form action="/settings" method="POST">
```

```
        <label for="blogTitle">Blog Title:</label>
```

```
        <input type="text" id="blogTitle" name="blogTitle" value="{{ blogTitle }}"
required>
```

```
        <label for="blogSubtitle">Subtitle:</label>
```

```
        <input type="text" id="blogSubtitle" name="blogSubtitle" value="{{
blogSubtitle }}" required>
```

```
        <label for="authorName">Author Name:</label>
```

```
        <input type="text" id="authorName" name="authorName" value="{{ authorName }}"
required>
```

```
        <button type="submit">Save Settings</button>
```

```
    </form>
```

```
    <a href="/author">Back</a>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Create Draft Page</title>
```

```
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">

</head>

<body>

  <header>

    <h1>Create Draft Page</h1>

  </header>

  <div class="container">

    <form action="/create-draft" method="POST">

      <div class="mb-3">

        <label for="articleTitle" class="form-label">Article Title:</label>

        <input type="text" id="articleTitle" name="articleTitle" class="form-
control" required>

      </div>

      <div class="mb-3">

        <label for="articleSubtitle" class="form-label">Article Subtitle:</label>

        <input type="text" id="articleSubtitle" name="articleSubtitle"
class="form-control" required>

      </div>

      <div class="mb-3">

        <label for="userId" class="form-label">Your User ID:</label>

        <input type="text" id="userId" name="userId" class="form-control"
required>

      </div>

      <div class="mb-3">
```

```

        <label for="articleText" class="form-label">Article Text:</label>
        <textarea id="articleText" name="articleText" class="form-control"
rows="8" required></textarea>
    </div>

    <button type="submit" class="btn btn-primary">Create Article</button>
</form>

    <a href="/authors_page" class="btn btn-secondary mt-3">Back</a>
</div>
</body>
</html>

<!DOCTYPE html>
<html>
<head>
    <title>Edit Article Page</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhlLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">
</head>
<body>
    <header>
        <h1>Edit Article Page</h1>
    </header>
    <section>
        <h2>Article Information</h2>
        % availableDraft.forEach(function(article) { %>

```

```
</section>

<div class="container">

  <form action="changed-draft" method="POST">

    <div class="mb-3">

      <label for="articleTitle" class="form-label">Article Title:</label>

      <input type="text" id="articleTitle" name="articleTitle" class="form-
control" value=" %= article.title %>" placeholder=" %= article.title %>"
required>

    </div>

    <div class="mb-3">

      <label for="articleSubtitle" class="form-label">Article Subtitle:</label>

      <input type="text" id="articleSubtitle" name="articleSubtitle"
class="form-control" value=" %= article.subtitle %>" placeholder=" %=
article.subtitle %>" required>

    </div>

    <div class="mb-3">

      <label for="articleText" class="form-label">Article Text:</label>

      <textarea id="articleText" name="articleText" class="form-control"
rows="8" required> %= article.content %></textarea>

    </div>

    <div>

      <input type="hidden" type="text" name="draftId" value=" %=
article.article_id %>">

    </div>

    <div>

      <input type="hidden" type="text" name="userId" value=" %= article.user_id
%>">

    </div>

  </form>

</div>
```

```

        % }) %>

        <button type="submit" class="btn btn-primary">Submit Changes</button>

    </form>

    <a href="/author" class="btn btn-secondary mt-3">Back</a>

</div>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

    <title>Home Page</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">

</head>

<body>

    <header class="container py-4 text-bg-secondary">

        <h1>This is people's blog</h1>

        <h2>It's about the stuff people like to write about</h2>

    </header>

    <main class="container py-4">

        <div class="row">

```

```

<div class="col-md-9">
  <div class="mt-4 m-3">
    <h2>Find an article by keyword</h2>
    <form action="/search-result-db" method="GET">
      <div class="input-group">
        <input id="search-box" type="text" name="keyword" value="Default"
class="form-control">
        <button type="submit" class="btn btn-secondary">Search</button>
      </div>
    </form>
  </div >
  <div class="mt-4 m-3">
    <h2>Articles List</h2>
    <ul class="list-group">
      % availableArticles.forEach(function(article) { %>
        <div class="card m-1">
          <li class="list-group-item">
            <h3>%= article.title %></h3>
            <p>Published on: <b>%= article.publication_date %></b></p>
            <p>%= article.content.substring(0, 250) + "..." %></p>
            <p>Author: <b>%= article.author %></b></p>
            <form action="/article-id" method="GET">
              <div>
                <input type="hidden" type="text" name="id" value="%=
article.article_id %>">
                <button type="submit" class="btn btn-primary">Read
more</button>
              </div>
            </form>
          </li>
        </div>
      %>
    </ul>
  </div>

```



```
        </li>
      </div>
    % }) %>
  </ul>
</div>
</div>
```

```
<div class="col-md-3">
  <h2>Sign up</h2>

  <form method="POST" action="/home">
    <div class="mb-3">
      <label for="username">Your username</label>
      <input id="username" type="text" name="username" value=""
class="form-control">
    </div>
    <div class="mb-3">
      <label for="password">Your password</label>
      <input id="password" type="text" name="password" value=""
class="form-control">
    </div>
    <div class="mb-3">
      <label for="email">Your email</label>
      <input id="email" type="text" name="email" value="" class="form-
control">
    </div>
    <div class="mb-3">
      <label for="is_author">Are you an author?</label>
      <select class="form-control" name="is_author" id="is_author">
```

```
        <option value="Yes">Yes</option>
        <option value="No">No</option>
    </select>
</div>
    <button type="submit" class="btn btn-success">Sign up</button>
</form>
</div>
</div>
</main>

<footer class="container py-4">
    <p>&copy; <b>People's blog</b>. All rights reserved.</p>
</footer>

</body>
</html>

<!doctype html>
<html>
<head>
    <title>Search result</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
crossorigin="anonymous">
</head>
<body>
    <header class="container py-4">
```

```

    <h2> All articles containing the keyword</h2>
</header>

<div class="col-md-9 mt-4 m-3 ps-5">

    <h2>Articles List</h2>

    <ul class="list-group">
        % availableArticles.forEach(function(article) { %>
            <div class="card m-1">
                <li class="list-group-item">
                    <h3> %= article.title %></h3>

                    <p>Published on: <b> %= article.publication_date %></b></p>

                    <p> %= article.content.substring(0, 250) + "..." %></p>

                    <p>Author: <b> %= article.author %></b></p>

                    <form action="/article-id" method="GET">
                        <div>
                            <input type="hidden" type="text" name="id" value=" %=
article.article_id %>">
                            <button type="submit" class="btn btn-primary">Read
more</button>
                        </div>
                    </form>
                </li>
            </div>
        % }) %>
    </ul>

    <div class="pb-5">
        <a href="/" class="btn btn-danger mt-4">Back to home</a>
    </div>

</div>

</body>

```

</html>