SOURCE CODE FOR MIDTERM PROJECT

Index.js file

```
/**
* index.js
* This is your main app entry point
*/


// Set up express, bodyparser and EJS
const express = require('express');
const path = require('path');
const app = express();
const port = 3000;
var bodyParser = require("body-parser");
app.set('view engine', 'ejs'); // set the app to use ejs for rendering
app.use(express.static(path.join(__dirname + '/public'))); // set location of static files
app.use(bodyParser.urlencoded({ extended: true }));


// Set up SQLite
// Items in the global namespace are accessible throught out the node application
const sqlite3 = require('sqlite3').verbose();
global.db = new sqlite3.Database('./database.db',function(err){
  if(err){
    console.error("Error opening databae: ", err.message);
    process.exit(1); // bail out we can't connect to the DB
```

```javascript
    } else {

        console.log("Database connected");

        global.db.run("PRAGMA foreign_keys=ON", function(err){

            if(err){

                console.log("Error enabling foreign key support: ", err.message);

            } else{

                console.log("Foreign key support enabled");

            }

        }); // tell SQLite to pay attention to foreign key constraints

    }

});


// Add all the route handlers in usersRoutes to the app under the path /users

const usersRoutes = require('./routes/users');

app.use('/', usersRoutes);


// Make the web application listen for HTTP requests

app.listen(port, () => {

    console.log(`Example app listening on port ${port}`)

})
```

db_schema.sql

```sql
-- This makes sure that foreign_key constraints are observed and that errors will be thrown for violations

PRAGMA foreign_keys=ON;
```

```sql
BEGIN TRANSACTION;

-- Create your tables with SQL commands here (watch out for slight syntactical differences
with SQLite vs MySQL)

CREATE TABLE IF NOT EXISTS users (

    user_id INTEGER PRIMARY KEY AUTOINCREMENT,

    username TEXT NOT NULL,

    password TEXT NOT NULL,

    blog_title TEXT

);

// START OF MY OWN CODE

CREATE TABLE IF NOT EXISTS drafts (

    draft_id INTEGER PRIMARY KEY AUTOINCREMENT,

    title TEXT NOT NULL,

    body TEXT NOT NULL,

    created DATETIME,

    last_modified DATETIME,

    user_id INT,

    FOREIGN KEY (user_id) REFERENCES users (user_id)

);

CREATE TABLE IF NOT EXISTS blogpost (

    blogpost_id INTEGER PRIMARY KEY AUTOINCREMENT,
```

```sql
    title TEXT NOT NULL,

    body TEXT NOT NULL,

    date_published DATETIME,

    last_modified DATETIME,

    likes INTEGER DEFAULT 0,

    views INTEGER DEFAULT 0,

    user_id  INT,

    FOREIGN KEY (user_id) REFERENCES users (user_id)
);


CREATE TABLE IF NOT EXISTS comments (

    comment_id INTEGER PRIMARY KEY AUTOINCREMENT,

    username TEXT NOT NULL,

    body TEXT NOT NULL,

    date DATETIME,

    blogpost_id INT,

    FOREIGN KEY (blogpost_id) REFERENCES blogpost (blogpost_id)
);


-- Insert default data (if necessary here)


-- Set up two users with hashed passwords

INSERT INTO users ('username', 'password', 'blog_title') VALUES ('nikolina',
'$2b$10$MxfqE/XwqVYJ.S5scnc9f.ZNtznGi9n9yG1ZdYyuxvV6WWyVkCxcW', 'Random
Whatnots');


-- I'm inserting two blog posts and one draft here to show them on the author's home page
```

```sql
INSERT INTO blogpost ('title', 'body', 'date_published', 'last_modified', 'likes','user_id')

VALUES ('Solo Travel: Why Everyone Should Experience It at Least Once', 'Solo travel is a transformative experience that offers unparalleled personal growth and self-discovery.', '14/02/2024 22:13', '01/04/2024 21:28', 32, 1);


INSERT INTO blogpost ('title', 'body', 'date_published', 'last_modified', 'likes', 'user_id')

VALUES ('10 Amazing Facts About Dolphins You Probably Didn''t Know', 'This blog post contains interesting and lesser-known facts about dolphins.', '05/07/2024 13:46', '07/07/2024 19:35', 12, 1);


INSERT INTO drafts ('title', 'body', 'created', 'last_modified', 'user_id')

VALUES ('Exploring the Hidden Gems of Iceland', 'Iceland is a land of breathtaking landscapes, from cascading waterfalls to volcanic craters.

Discover the lesser-known spots that will make your trip truly unforgettable.', '16/12/2023 11:54', '02/03/2024 23:32', 1);

// END OF MY OWN CODE

COMMIT;
```

public/main.css file => generated from https://webflow.com/

```css
:root {

  --white: white;

  --black: black;

 }


 .navbar-no-shadow-container {

  z-index: 5;

  background-color: rgba(0, 0, 0, 0);
```

```css
  width: 100%;

  max-width: 1140px;

  margin-left: auto;

  margin-right: auto;

  padding: 15px;

}


.container-regular {

  width: 100%;

  max-width: 1260px;

  min-height: 30px;

  margin-left: auto;

  margin-right: auto;

}


.navbar-wrapper {

  flex-flow: wrap;

  justify-content: space-between;

  align-items: center;

  display: flex;

}


.nav-menu {

  justify-content: space-between;

  align-items: center;

  margin-bottom: 0;
```

```css
  padding-bottom: 0;

  padding-left: 0;

  display: flex;

}


.nav-link {

  color: #1a1b1f;

  letter-spacing: .25px;

  margin-left: 5px;

  margin-right: 35px;

  padding: 5px 10px;

  font-size: 14px;

  line-height: 20px;

  text-decoration: none;

}


.nav-link:hover {

  color: rgba(26, 27, 31, .75);

}


.nav-link:focus-visible {

  outline-offset: 0px;

  color: #0050bd;

  border-radius: 4px;

  outline: 2px solid #0050bd;

}
```

```css
.nav-link[data-wf-focus-visible] {
  outline-offset: 0px;
  color: #0050bd;
  border-radius: 4px;
  outline: 2px solid #0050bd;
}

.nav-link-2 {
  color: #1a1b1f;
  letter-spacing: .25px;
  margin-left: 5px;
  margin-right: 35px;
  padding: 5px 10px;
  font-size: 14px;
  line-height: 20px;
  text-decoration: none;
}

.nav-dropdown {
  margin-left: 5px;
  margin-right: 5px;
}

.nav-dropdown-toggle {
  letter-spacing: .25px;
```

```css
  padding: 5px 30px 5px 10px;

  font-size: 14px;

  line-height: 20px;

}


.nav-dropdown-toggle:hover {

  color: rgba(26, 27, 31, .75);

}


.nav-dropdown-toggle:focus-visible {

  outline-offset: 0px;

  color: #0050bd;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.nav-dropdown-toggle[data-wf-focus-visible] {

  outline-offset: 0px;

  color: #0050bd;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.nav-dropdown-icon {

  margin-right: 10px;

}
```

```css
.nav-dropdown-list {

  background-color: #fff;

  border-radius: 12px;

}


.nav-dropdown-list.w--open {

  padding-top: 10px;

  padding-bottom: 10px;

}


.nav-dropdown-link {

  padding-top: 5px;

  padding-bottom: 5px;

  font-size: 14px;

}


.nav-dropdown-link:focus-visible {

  outline-offset: 0px;

  color: #0050bd;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.nav-dropdown-link[data-wf-focus-visible] {

  outline-offset: 0px;
```

```css
  color: #0050bd;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.mobile-margin-top-10 {

  list-style-type: none;

}


.nav-button-wrapper {

  margin-left: 120px;

}


.button-primary {

  color: #fff;

  letter-spacing: 2px;

  text-transform: uppercase;

  background-color: #3c3d3f;

  margin-left: 10px;

  padding: 7px 15px;

  font-size: 10px;

  line-height: 20px;

  transition: all .2s;

}


.button-primary:hover {
```

```css
  color: #fff;

  background-color: #32343a;

}


.button-primary:active {

  background-color: #43464d;

}


.image {

  display: inline-block;

}


.gallery-slider {

  border-bottom: 1px solid #e4ebf3;

  padding: 80px 30px;

  position: relative;

}


.container {

  width: 100%;

  max-width: 940px;

  margin-left: auto;

  margin-right: auto;

}


.gallery-wrapper {
```

```css
  display: flex;

  justify-content: space-between;

  align-items: flex-start; /* Aligns the top of the elements */

}


.container-small {

  flex: 0 0 30%; /* Grow factor, shrink factor, basis width */

  max-width: 292px;

}


.container-medium {

  flex: 0 0 70%;

  max-width: 679px;

}


.gallery-block {

  flex-direction: column;

  justify-content: flex-start;

  align-items: flex-start;

  display: flex;

}


.gallery-slide {

  background-color: rgba(0, 0, 0, 0);

  height: auto;

}
```

```css
.gallery-slide-wrapper {

  max-width: 47%;

  margin-right: 6%;

}


.gallery-slide-image {

  position: relative;

}


.gallery-image {

  width: 100%;

}


.gallery-slide-text {

  color: #f5f7fa;

  margin-bottom: 0;

  line-height: 32px;

  position: absolute;

  bottom: 24px;

  left: 24px;

  right: 24px;

}


.gallery-slider-left {

  justify-content: center;
```

```css
  align-items: center;

  width: 40px;

  display: flex;

  left: -50px;

}


.gallery-slider-left:focus-visible {

  outline-offset: 0px;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.gallery-slider-left[data-wf-focus-visible] {

  outline-offset: 0px;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.slider-arrow-embed {

  color: #1a1b1f;

}


.gallery-slider-right {

  justify-content: center;

  align-items: center;

  width: 40px;
```

```css
  display: flex;

  right: -50px;

}


.gallery-slider-right:focus-visible {

  outline-offset: 0px;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.gallery-slider-right[data-wf-focus-visible] {

  outline-offset: 0px;

  border-radius: 5px;

  outline: 2px solid #0050bd;

}


.gallery-slide-nav {

  display: none;

}


.hero-without-image {

  background-color: #f5f7fa;

  border-bottom: 1px solid #e4ebf3;

  padding: 80px 30px;

  position: relative;

}
```

```css
.hero-wrapper-two {

  text-align: center;

  flex-direction: column;

  justify-content: flex-start;

  align-items: center;

  max-width: 750px;

  margin-left: auto;

  margin-right: auto;

  display: flex;

}


.margin-bottom-24px {

  margin-bottom: 24px;

}


.button-primary-2 {

  clear: none;

  color: #fff;

  letter-spacing: 2px;

  text-transform: uppercase;

  background-color: #3c3d3f;

  flex-flow: row;

  order: 0;

  align-self: center;

  margin-bottom: 0;
```

```css
  padding: 10px 20px;

  font-size: 12px;

  line-height: 20px;

  transition: all .2s;

  display: flex;

}


.button-primary-2:hover {

  color: #fff;

  background-color: #32343a;

}


.button-primary-2:active {

  background-color: #43464d;

}


.title-field {

  width: 100%;

  float: none;

  font-family: Arial, Helvetica Neue, Helvetica, sans-serif;

  position: static;

}


.body-field {

  width: 100%;

  min-height: 250px;
```

```css
  margin-bottom: 20px;

  text-align: left;

  vertical-align: top;

  padding: 10px;

}


.form-group label {

  font-weight: bold;

}


.w-form-done,.w-form-fail {

  display: none; /* Hide initially */

}


.blogpost-row {

  display: flex;

  justify-content: space-between;

  align-items: center;

  padding: 10px 0;

}


@media screen and (max-width: 991px) {

  .nav-menu-wrapper {

    background-color: rgba(0, 0, 0, 0);

  }
```

```css
.nav-menu {

  background-color: #fff;

  flex-wrap: wrap;

  justify-content: space-around;

  align-items: center;

  padding-left: 0;

  display: flex;

}


.nav-link {

  padding-left: 5px;

  padding-right: 5px;

}


.nav-dropdown-list.shadow-three.w--open {

  position: absolute;

}


.nav-button-wrapper {

  width: 100%;

  margin-left: 0;

}


.menu-button {

  padding: 12px;

}
```

```css
  .menu-button.w--open {

    color: #fff;

    background-color: #a6b1bf;

  }


  .container {

    max-width: 728px;

  }


  .gallery-wrapper {

    grid-template-columns: 1fr 1fr;

  }


  .gallery-slider-left {

    left: -20px;

  }


  .gallery-slider-right {

    right: -20px;

  }
}


@media screen and (max-width: 767px) {

  .navbar-brand {

    padding-left: 0;
```

```css
  }

  .nav-menu {
    flex-direction: column;
    padding-bottom: 30px;
    padding-left: 0;
  }

  .nav-link {
    padding-top: 10px;
    padding-bottom: 10px;
    display: inline-block;
  }

  .nav-dropdown {
    flex-direction: column;
    align-items: center;
    display: flex;
  }

  .nav-dropdown-toggle {
    padding-top: 10px;
    padding-bottom: 10px;
  }

  .nav-dropdown-list.shadow-three {
```

```css
  box-shadow: 0 8px 50px rgba(0, 0, 0, .05);
}

.nav-dropdown-list.shadow-three.w--open {
  position: relative;
}

.nav-dropdown-list.shadow-three.mobile-shadow-hide {
  box-shadow: none;
}

.mobile-margin-top-10 {
  margin-top: 10px;
}

.gallery-slider {
  padding: 60px 15px;
}

.gallery-slide {
  margin-left: 10px;
  margin-right: 10px;
}

.gallery-slide-text {
  line-height: 30px;
```

```css
  }

  .gallery-slider-left {

    left: -20px;

  }


  .gallery-slider-right {

    right: -20px;

  }


  .hero-without-image {

    padding: 60px 15px;

  }
}


@media screen and (max-width: 479px) {

  .nav-menu {

    flex-direction: column;

  }


  .nav-button-wrapper {

    width: auto;

  }


  .container {

    max-width: none;
```

```css
  }

  .gallery-wrapper {
    grid-template-columns: 1fr;
  }

  .gallery-slide-wrapper {
    max-width: 100%;
    margin-right: 0%;
  }

  .gallery-slider-left {
    left: -20px;
  }

  .gallery-slider-right {
    right: -20px;
  }
}

#w-node-c3d9a106-a054-fc21-9079-ae393aa084b4-28ea46c4 {
  grid-area: span 1 / span 1 / span 1 / span 1;
}

#w-node-c3d9a106-a054-fc21-9079-ae393aa084b9-28ea46c4 {
  grid-area: span 1 / span 2 / span 1 / span 2;
```

```css
  }


  #w-node-c3d9a106-a054-fc21-9079-ae393aa084bd-28ea46c4, #w-node-c3d9a106-
a054-fc21-9079-ae393aa084c7-28ea46c4, #w-node-c3d9a106-a054-fc21-9079-
ae393aa084cc-28ea46c4 {

    grid-area: span 1 / span 1 / span 1 / span 1;

  }


  @media screen and (max-width: 991px) {

   #w-node-c3d9a106-a054-fc21-9079-ae393aa084b4-28ea46c4 {

    grid-area: span 1 / span 2 / span 1 / span 2;

   }

  }


  @media screen and (max-width: 479px) {

   #w-node-c3d9a106-a054-fc21-9079-ae393aa084b4-28ea46c4, #w-node-c3d9a106-
a054-fc21-9079-ae393aa084b9-28ea46c4 {

    grid-area: span 1 / span 1 / span 1 / span 1;

   }

  }
```

routes/users.js file

```javascript
const bcrypt = require('bcrypt');

const express = require("express");

const session = require('express-session');

const router = express.Router();
```

```
// START OF MY OWN CODE

/**

 * @desc Configure session middleware

 */

router.use(session({

    secret: 'your-secret-key', // Replace with a strong secret key

    resave: false,

    saveUninitialized: true,

    cookie: { secure: false } // Set to true if using HTTPS

}));


/**

 * @desc Middleware to print route being accessed (for debugging purposes)

 */

router.use((req, res, next) => {

    console.log(`Route accessed: ${req.url}`);

    next();

});


//     MINIMUM MIDTERM PROJECT REQUIREMENTS     //


// THE FOLLOWING BLOCK OF DISPLAYS HOME PAGE

/**

 * @desc Route to the home page

 */
```

```javascript
router.get('/', (req, res, next) => {
    const query = `
        SELECT
            blogpost.blogpost_id,
            blogpost.title,
            blogpost.likes,
            users.username
        FROM
            blogpost
        JOIN
            users
        ON
            blogpost.user_id = users.user_id
        ORDER BY
            blogpost.likes DESC
        LIMIT 5`;

    global.db.all(query, (err, mostLikedPosts) => {
        if (err) {
            return next(err);
        }

        res.render('index', { user: req.session.user, mostLikedPosts });
    });
});
```

```javascript
// THE FOLLOWING BLOCK OF DISPLAYS AUTHOR'S HOME PAGE

/**
 * @desc Route to the author's home page.
 * Query the database
 */
router.get('/:username/author-home', (req, res, next) => {
  const username = req.params.username;

  // Query to retrieve blog posts for the specified user
  const blogpostsQuery = `
    SELECT b.blogpost_id, b.title, b.body, b.date_published, b.last_modified, b.likes,
b.views, u.username AS author
    FROM blogpost b
    JOIN users u ON b.user_id = u.user_id
    WHERE u.username = ?;`;

  // Query to retrieve drafts for the specified user
  const draftsQuery = `
    SELECT d.draft_id, d.title, d.body, d.created, d.last_modified, u.username AS author
    FROM drafts d
    JOIN users u ON d.user_id = u.user_id
    WHERE u.username = ?;`;

  // Query to retrieve the blog title for the specified user
  const blogTitleQuery = `
    SELECT blog_title
```

```
    FROM users

    WHERE username = ?;`;


// Run all queries

global.db.get(blogTitleQuery, [username], (err, userRow) => {

  if (err) {

    return next(err);

  }


  global.db.all(blogpostsQuery, [username], (err, blogposts) => {

    if (err) {

      return next(err);

    }


    global.db.all(draftsQuery, [username], (err, drafts) => {

      if (err) {

        return next(err);

      }


      res.render('author-home.ejs', {

        availableBlogposts: blogposts,

        availableDrafts: drafts,

        blogTitle: userRow.blog_title,

        user: req.session.user

      });

    });
```

```javascript
    });

  });

});


/**
 * @desc Route to render settings page with user data
 */
router.get('/:username/settings', (req, res, next) => {
  const { username } = req.params;

  // Query to fetch user data
  const query = 'SELECT username, blog_title FROM users WHERE username = ?';

  global.db.get(query, [username], (err, user) => {
    if (err) {
      return next(err);
    }

    if (!user) {
      return res.status(404).send('User not found');
    }

    res.render('settings', {
      user: user.username,
      blogTitle: user.blog_title
    });
```

```javascript
  });
});


/**
 * @desc Route to handle form submission for updating user settings
 */
router.post('/:username/settings', (req, res, next) => {
  const { username } = req.params;
  const { newUsername, newBlogTitle } = req.body;

  // Query to update user data
  const query = 'UPDATE users SET username = ?, blog_title = ? WHERE username = ?';

  global.db.run(query, [newUsername, newBlogTitle, username], function (err) {
    if (err) {
      return next(err);
    }

    // Update username in session
    req.session.user = newUsername;

    res.redirect(`/${newUsername}/author-home`);
  });
});


/**
```

```javascript
 * @desc Route to render new draft page
 */
router.get('/:username/new-draft', (req, res) => {
  const { username } = req.params;
  res.render('new-draft', { user: username });
});


/**
 * @desc Route to handle form submission for new drafts
 */
router.post('/:username/new-draft', (req, res, next) => {
  const { username } = req.params;
  const { title, body, action } = req.body;
  const date = new Date().toLocaleString('en-GB', {
    year: 'numeric',
    month: '2-digit',
    day: '2-digit',
    hour: '2-digit',
    minute: '2-digit',
    second: undefined,
    hour12: false
  }).replace(',', '');

  let tableName;
  let query;
  let queryParameters;
```

```javascript
  if (action === 'publish') {

    tableName = 'blogpost';

    query = `INSERT INTO ${tableName} (title, body, date_published, last_modified,
user_id) VALUES (?, ?, ?, ?, ?);`;

    queryParameters = [title, body, date, date, 1]; // Replace 1 with the actual user_id

  } else if (action === 'save') {

    tableName = 'drafts';

    query = `INSERT INTO ${tableName} (title, body, created, last_modified, user_id)
VALUES (?, ?, ?, ?, ?);`;

    queryParameters = [title, body, date, date, 1]; // Replace 1 with the actual user_id

  } else {

    // Handle invalid action (optional)

    return res.status(400).send('Invalid action');

  }


  db.run(query, queryParameters, function (err) {

    if (err) {

      next(err); // Send the error to the error handler

    } else {

      // Redirect to the author home page after successful insertion

      res.redirect(`/${username}/author-home`);

    }

  });

});


/**
```

```
 * @desc Displaying the edit page
 */
router.get('/:type/:id/edit', (req, res, next) => {
  const { type, id } = req.params;
  const table = type === 'blogpost' ? 'blogpost' : 'drafts';
  const idColumn = type === 'blogpost' ? 'blogpost_id' : 'draft_id';

  const query = `SELECT * FROM ${table} WHERE ${idColumn} = ?`;
  global.db.get(query, [id], (err, item) => {
    if (err) {
      return next(err);
    } else if (!item) {
      return res.status(404).send(`${type} not found`);
    } else {
      res.render('edit', { item, type, user: req.session.user });
    }
  });
});

/**
 * @desc Update a blog post or draft
 */
router.post('/:type/:id/edit', (req, res, next) => {
  const { type, id } = req.params;
  const { title, body, action } = req.body;
  const date = new Date().toLocaleString('en-GB', {
```

```javascript
      year: 'numeric',

      month: '2-digit',

      day: '2-digit',

      hour: '2-digit',

      minute: '2-digit',

      second: undefined,

      hour12: false

  }).replace(',', '');


  if (type === 'draft') {

    if (action === 'save') {

      // Update an existing draft

      const query = `UPDATE drafts SET title = ?, body = ?, last_modified = ? WHERE
draft_id = ?`;

      const queryParameters = [title, body, date, id];

      db.run(query, queryParameters, function (err) {

        if (err) {

          return next(err); // Send the error to the error handler

        } else {

          // Redirect to the author home page after successful update or publish

          return res.redirect(`/${req.session.user}/author-home`);

        }

      });

    } else if (action === 'publish') {

      // Move draft to blogpost table as a new record and delete from drafts

      db.serialize(() => {
```

```javascript
db.run('BEGIN TRANSACTION');
db.run(
    `INSERT INTO blogpost (title, body, date_published, last_modified, user_id)
     SELECT title, body, ?, ?, user_id FROM drafts WHERE draft_id = ?`,
    [date, date, id],
    function (err) {
        if (err) {
            return db.run('ROLLBACK', () => next(err)); // Rollback and send the error to the error handler
        }
        db.run(
            `DELETE FROM drafts WHERE draft_id = ?`,
            [id],
            function (err) {
                if (err) {
                    return db.run('ROLLBACK', () => next(err)); // Rollback and send the error to the error handler
                }
                db.run('COMMIT', function (err) {
                    if (err) {
                        return next(err); // Send the error to the error handler
                    }
                    // Redirect to the author home page after successful update or publish
                    return res.redirect(`/${req.session.user}/author-home`);
                });
            }
        );
```

```javascript
          }
        );
      });
    }
  } else if (type === 'blogpost') {
    // Update an existing blogpost
    query = `UPDATE blogpost SET title = ?, body = ?, last_modified = ? WHERE blogpost_id = ?`;
    queryParameters = [title, body, date, id];

    db.run(query, queryParameters, function (err) {
      if (err) {
        next(err); // Send the error to the error handler
      } else {
        // Redirect to the author home page after successful update or publish
        return res.redirect(`/${req.session.user}/author-home`);
      }
    });

  } else {
    // Handle invalid type (optional)
    return res.status(400).send(`Invalid type: ${type}`);
  }
});

/**
```

```
 * @desc Deleting the blog post (article) alongside its comments from the database and
reloading the author's home page
 */
router.post('/blogpost/:id/delete-post', (req, res, next) => {
  const blogpostId = req.params.id;

  // Begin transaction
  global.db.run('BEGIN TRANSACTION', (err) => {
    if (err) {
      return next(err); // Send the error to the error handler middleware
    }

    // Delete comments associated with the blog post
    const deleteComments = `
      DELETE FROM comments
      WHERE blogpost_id = ?;
    `;

    global.db.run(deleteComments, [blogpostId], (err) => {
      if (err) {
        return global.db.run('ROLLBACK', (rollbackErr) => {
          return next(err || rollbackErr); // Send the error to the error handler middleware
        });
      }

      // Delete the blog post from the database
```

```javascript
    const deleteBlogpost = `

      DELETE FROM blogpost

      WHERE blogpost_id = ?;

    `;


    global.db.run(deleteBlogpost, [blogpostId], (err) => {

      if (err) {

        return global.db.run('ROLLBACK', (rollbackErr) => {

          return next(err || rollbackErr); // Send the error to the error handler middleware

        });

      }


      // Commit transaction

      global.db.run('COMMIT', (err) => {

        if (err) {

          return next(err); // Send the error to the error handler middleware

        }


        // Redirect to the author's home page after successful deletion

        res.redirect(`/${req.session.user}/author-home`);

      });

    });

  });

});
```

```
/**
 * @desc Deleting the post (article) draft from the database and reloading the author's
home page
 */
router.post('/draft/:id/delete-draft', (req, res, next) => {
   const draftId = req.params.id;


   // Delete the draft from the database
   const deleteDraft = `
      DELETE FROM drafts
      WHERE draft_id = ?;
   `;


   global.db.run(deleteDraft, [draftId], (err) => {
      if (err) {
         return next(err); // Send the error to the error handler middleware
      } else {
         // Redirect to the author's home page after successful deletion
         res.redirect(`/${req.session.user}/author-home`);
      }
   });
});


// THE FOLLOWING BLOCK OF CODE DISPLAYS READER - HOME PAGE
/**
 * @desc Displays reader's page with a list of blog posts
```

```javascript
 */
router.get('/reader', (req, res, next) => {
  const query = `
    SELECT u.username, b.blogpost_id, b.title, b.date_published
    FROM users u
    LEFT JOIN blogpost b ON u.user_id = b.user_id
    ORDER BY u.username, b.date_published;
  `;
  global.db.all(query, [], (err, rows) => {
    if (err) {
      next(err);
    } else {
      const availableUsers = [];
      const userMap = {};

      rows.forEach(row => {
        if (!userMap[row.username]) {
          userMap[row.username] = {
            username: row.username,
            blogposts: []
          };
          availableUsers.push(userMap[row.username]);
        }
        if (row.blogpost_id) {
          userMap[row.username].blogposts.push({
            blogpost_id: row.blogpost_id,
```

```javascript
            title: row.title,

            date_published: row.date_published

          });

        }

      });


      res.render("reader.ejs", { availableUsers, user: req.session.user });

    }

  });

});


// THE FOLLOWING BLOCK OF CODE DISPLAYS READER - ARTICLE PAGE
/**
 * @desc Displays an individual blog post (article)
 */
router.get('/blogpost/:id', (req, res, next) => {
  const blogpostId = req.params.id;


  // Increment the views count
  const updateViewsQuery = `
    UPDATE blogpost
    SET views = views + 1
    WHERE blogpost_id = ?;
  `;


  global.db.run(updateViewsQuery, [blogpostId], (err) => {
```

```
    if (err) {

      return next(err); // send the error to the error handler

    }

  })


  // Fetch the blog post and the author's username from the database

  const queryBlogpost = `

    SELECT b.title, b.blogpost_id, b.body, b.date_published, b.last_modified, b.likes,
b.views, u.username AS author

    FROM blogpost b

    JOIN users u ON b.user_id = u.user_id

    WHERE b.blogpost_id = ?;

  `;


  const queryComments = `

    SELECT username, body, date

    FROM comments

    WHERE blogpost_id = ?

    ORDER BY date;

  `;


  global.db.get(queryBlogpost, [blogpostId], (err, blogpost) => {

    if (err) {

      next(err); // Send the error to the error handler

    } else if (blogpost) {

      global.db.all(queryComments, [blogpostId], (err, comments) => {
```

```javascript
            if (err) {

                next(err); // Send the error to the error handler

            } else {

                // Render the blogpost page with the fetched blog post data and comments

                res.render('blogpost.ejs', { blogpost, comments, user: req.session.user });

            }

        });

    } else {

        res.status(404).send('Blog post not found');

    }

  });

});


/**

 * @desc Route to handle adding a comment to a blog post

 */

router.post('/blogpost/:id/add-comment', (req, res, next) => {

  const blogpostId = req.params.id;

  const { username, body } = req.body;

  const date = new Date();

  const formattedDate = date.toLocaleString('en-GB', {

    year: 'numeric',

    month: '2-digit',

    day: '2-digit',

    hour: '2-digit',

    minute: '2-digit',
```

```javascript
    second: undefined,

    hour12: false

  }).replace(',', '');


  // Insert the comment into the database

  const query = "INSERT INTO comments (username, body, date, blogpost_id) VALUES (?, ?, ?, ?);";

  const queryParameters = [username, body, formattedDate, blogpostId];


  global.db.run(query, queryParameters, function (err) {

    if (err) {

      next(err); // Send the error to the error handler

    } else {

      // Redirect back to the blog post page after adding comment

      res.redirect(`/blogpost/${blogpostId}`);

    }

  });

});


//    EXTENSIONS    //


// THE FOLLOWING BLOCK OF CODE HANDLES LOGIN FUNCTIONALITY


/**

 * @desc Displays login form

 */
```

```javascript
router.get("/login", (req, res) => {
  res.render("login.ejs", {user: req.session.user});
});

/**
 * @desc Handle user login
 */
router.post("/login", (req, res, next) => {
  const { username, password } = req.body;
  const query = "SELECT * FROM users WHERE username = ?";

  global.db.get(query, [username], (err, user) => {
    if (err) {
      next(err); // Send the error on to the error handler
    } else if (user) {
      // Compare the provided password with the hashed password in the database
      bcrypt.compare(password, user.password, (err, isMatch) => {
        if (err) {
          next(err); // Send the error on to the error handler
        } else if (isMatch) {
          // Save the user_id in the session
          req.session.user_id = user.user_id;
          req.session.user = user.username;
          res.redirect(`/${username}/author-home`);
        } else {
          res.render("login.ejs", { error: "Invalid username or password" });
```

```javascript
        }

      });

    } else {

      res.render("login.ejs", { error: "Invalid username or password" });

    }

  });

});


/**

 * @desc Handling the sign-out action.

 * This route destroys the session and redirects the user to the home page.

 */

router.get('/logout', (req, res) => {

  req.session.destroy((err) => {

    if (err) {

      return res.redirect('/');

    }

    res.clearCookie('connect.sid'); // clear the cookie

    res.redirect('/');

  });

});


/**

 * @desc Displays a page with a form for creating a new user (author) record

 */
```

```javascript
router.get("/users/add-user", (req, res) => {

  res.render("add-user.ejs", {user: req.session.user});

});


/**

 * @desc Add a new user to the database based on data from the submitted form

 */

router.post("/users/add-user", (req, res, next) => {

  const { username, password, confirmPassword } = req.body;


  // Check if passwords match

  if (password !== confirmPassword) {

    return res.render("add-user.ejs", { error: "Passwords do not match", user:
req.session.user });

  }


  // Hash the password before storing it

  bcrypt.hash(password, 10, (err, hash) => {

    if (err) {

      next(err); // Send the error to the error handler

    } else {

      const query = "INSERT INTO users (username, password) VALUES (?, ?);";

      const query_parameters = [username, hash];


      // Execute the query and send a confirmation message

      global.db.run(query, query_parameters, function (err) {
```

```
        if (err) {

            next(err); // Send the error to the error handler

        } else {

            res.redirect('/reader');

        }

    });

    }

});

});


/**

 * @desc Displays about page

 */

router.get("/about", (req, res) => {

    res.render("about.ejs", {user: req.session.user});

});


/**

 * @desc Route to handle likes

 */

router.post('/blogpost/:id/like', (req, res, next) => {

    const blogpostId = req.params.id;


    const query = "UPDATE blogpost SET likes = likes + 1 WHERE blogpost_id = ?;";

    global.db.run(query, [blogpostId], function (err) {

        if (err) {
```

```
      next(err);

    } else {

      const getLikesQuery = "SELECT likes FROM blogpost WHERE blogpost_id = ?;";

      global.db.get(getLikesQuery, [blogpostId], (err, row) => {

        if (err) {

          next(err);

        } else {

          res.json({ likes: row.likes });

        }

      });

    }

  });

});


//END OF MY OWN CODE

// Export the router object so index.js can access it

module.exports = router;
```

VIEWS FOLDER – IN ALPHABETICAL ORDER

// START OF MY OWN CODE

about.ejs

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>About The Blog</title>

    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

    <!-- Link to my custom CSS -->

    <link href="/main.css" rel="stylesheet">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>
</head>
<body>
    <div class="navbar-no-shadow">
        <div data-animation="default" data-collapse="medium" data-duration="400" data-easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-nav">
            <div class="container-regular">
              <div class="navbar-wrapper">
                <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png" loading="lazy" height="121" alt="" class="image">
                <nav role="navigation" class="nav-menu-wrapper w-nav-menu">
                  <ul role="list" class="nav-menu">
                    <a href="/" class="nav-link">Home Page</a>
                    <a href="/reader" class="nav-link">Reader's Page</a>
                    <a href="<%= user ? `/${user}/author-home` : '/login' %>" class="nav-link">Author's Page</a>
                    <li class="mobile-margin-top-10">
                      <div class="nav-button-wrapper">
                        <% if (user) { %>
```

```html
        <a href="<%= `/${user}/settings` %>" class="btn button-primary w-button">Settings</a>

        <% } else { %>

        <a href="/login" class="btn button-primary w-button">Sign In</a>

        <% } %>

        <% if (user) { %>

        <a href="/logout" class="btn button-primary w-button">Sign Out</a>

        <% } else { %>

        <a href="/users/add-user" class="btn button-primary w-button">Register</a>

        <% } %>

       </div>

      </li>

     </ul>

    </nav>

    <div class="menu-button w-nav-button">

     <div class="w-icon-nav-menu"></div>

    </div>

   </div>

  </div>

 </div>

 <section class="hero-without-image">

  <div class="container">

   <div class="hero-wrapper-two">

    <h1 class="text-center">About The Blog</h1>

    <p><h4 class="text-center">Our Story:</h4></p>
```

```html
<p class="lead text">Founded with a passion for knowledge sharing and a dedication to fostering curiosity,

        The Blog has evolved into a vibrant platform for exploration and discovery.

        What began as a humble endeavor to curate compelling content has grown into a community-driven hub where

        ideas flourish and perspectives converge.</p>

<p><h4 class="text-center">Purpose:</h4></p>

<p class="lead text">At The Blog, our purpose is clear: to inspire and educate.

        We strive to provide our readers with thought-provoking articles that not only inform but also ignite a thirst for knowledge.

        Whether you're seeking insights on the latest trends, exploring diverse viewpoints, or delving into in-depth analyses,

        our content is designed to engage, challenge, and enrich your understanding of the world around us.</p>


<p><h4 class="text-center">Mission:</h4></p>

<p class="lead text">Our mission is to empower individuals through accessible, insightful content that encourages lifelong

        learning and personal growth. We aim to foster a community of curious minds, where discussions thrive and ideas are

        celebrated. By curating diverse perspectives and embracing continuous exploration, we aspire to make a meaningful impact

        on how people engage with information and ideas.</p>


<p><h4 class="text-center">Vision:</h4></p>

<p class="lead text">Looking ahead, we envision The Blog as a trusted source of inspiration and knowledge—a place where curiosity knows no bounds and learning is a transformative journey.
```

We aim to expand our reach, connect with global audiences, and continue delivering valuable content that resonates with readers from all walks of life.

Together, we're shaping a future where curiosity leads to understanding, empowerment, and positive change.

Join us on this enriching journey of discovery, learning, and meaningful conversations at The Blog.

Together, let's explore the world of ideas and embrace the power of knowledge.</p>

```
      </div>

    </div>

  </section>

  <!-- Bootstrap JS and dependencies -->

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

  <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>

</html>
```

add-user.ejs

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Add author</title>

<!-- Bootstrap CSS -->

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

<!-- Link to my custom CSS -->

<link rel="stylesheet" href="/main.css">

<link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>
</head>
<body>
  <div class="navbar-no-shadow">

    <div data-animation="default" data-collapse="medium" data-duration="400" data-easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-nav">

      <div class="container-regular">

        <div class="navbar-wrapper">

          <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png" loading="lazy" height="121" alt="" class="image">

          <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

            <ul role="list" class="nav-menu">

              <a href="/" class="nav-link">Home page</a>

              <a href="/about" class="nav-link">About</a>

              <a href="/reader" class="nav-link">Reader's Page</a>

            </ul>

          </nav>

          <div class="menu-button w-nav-button">

            <div class="w-icon-nav-menu"></div>

          </div>
```

```
        </div>

      </div>

    </div>

  </div>

  <div class="container">

    <h1 class="text-center">Add new author</h1>

    <p class="lead text-center">Please type in the new author data</p>

    <% if (typeof error !== 'undefined') { %>

      <div class="alert alert-danger text-center"><%= error %></div>

    <% } %>

    <form method="POST" action="/users/add-user" class="mx-auto" style="max-width:
400px;">

      <div class="form-group">

        <label for="username">Username</label>

        <input id="username" type="text" name="username" class="form-control"
placeholder="username" required />

      </div>

      <div class="form-group">

        <label for="password">Password</label>

        <input id="password" type="password" name="password" class="form-control"
placeholder="password" required />

      </div>

      <div class="form-group">

        <label for="confirmPassword">Retype password</label>

        <input id="confirmPassword" type="password" name="confirmPassword"
class="form-control" placeholder="password" required />

      </div>
```

```html
    <div class="text-center">

      <input type="submit" value="Submit" class="btn button-primary w-button" />

      <p>Already have an account?

      <a href="/login" class="nav-link">Sign In</a></p>

    </div>

  </form>

</div>

<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>
```

author-home.ejs

```html
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title><%= blogTitle %></title>

  <!-- Bootstrap CSS -->

  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">
```

```html
<!-- Link to my custom CSS -->

<link rel="stylesheet" href="/main.css">

<link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

<!-- Font Awesome for icons -->

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">

</head>

<body>

  <div class="navbar-no-shadow">

    <div data-animation="default" data-collapse="medium" data-duration="400" data-
easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-
nav">

      <div class="container-regular">

        <div class="navbar-wrapper">

          <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png"
loading="lazy" height="121" alt="" class="image">

          <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

            <ul role="list" class="nav-menu">

              <a href="/" class="nav-link">Home Page</a>

              <a href="/about" class="nav-link">About</a>

              <a href="/reader" class="nav-link">Reader's page</a>

              <li class="mobile-margin-top-10">

                <div class="nav-button-wrapper">

                  <% if (user) { %>

                    <a href="<%= `/${user}/settings` %>" class="btn button-primary w-
button">Settings</a>

                  <% } else { %>
```

```
                    <a href="/login" class="btn button-primary w-button">Sign In</a>

                    <% } %>

                    <% if (user) { %>

                     <a href="/logout" class="btn button-primary w-button">Sign Out</a>

                    <% } else { %>

                     <a href="/users/add-user" class="btn button-primary w-
button">Register</a>

                      <% } %>

                    </div>

                  </li>

                </ul>

              </nav>

              <div class="menu-button w-nav-button">

                <div class="w-icon-nav-menu"></div>

              </div>

            </div>

          </div>

        </div>

      <div class="container">

        <h3 class="text-center">Author Home Page</h3>

        <h1 class="text-center"><%= blogTitle %></h1>

      </div>

      <section class="hero-without-image">

        <div class="container">

          <h3 class="lead text-center">Published Blog Posts:</h3>
```

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

  <% if (availableBlogposts && availableBlogposts.length > 0) { %>

    <% availableBlogposts.forEach(function(blogpost) { %>

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

      <a href="/blogpost/<%= blogpost.blogpost_id %>" class="nav-link"><%= blogpost.title %></a>

        <div>

          <i class="fa fa-heart"></i> <span id="likeCount"><%= blogpost.likes %></span>

          <i class="fas fa-eye" style="color: grey;"></i> <%= blogpost.views %>

        </div>

        <span class="nav-link-2">Published on: <%= blogpost.date_published %></span>

        <span class="nav-link-2">Last modified: <%= blogpost.last_modified %></span>

        <div style="padding-right: 15px;">

          <a href="/blogpost/<%= blogpost.blogpost_id %>/edit" style="color: grey; display: block;"><i class="fa fa-edit"></i></a>

        </div>

        <div style="padding-right: 15px;">

          <form action="/blogpost/<%= blogpost.blogpost_id %>/delete-post" method="POST">

            <button type="submit" style="border: none; background: none; color: grey;"><i class="fa fa-trash"></i></button>

          </form>

        </div>

    </li>

    <% }) %>
```

```
        <% } else { %>
            <li class="list-group-item">No blog posts are published yet</li>
        <% } %>
    </ul>
    <h3 class="lead text-center" style="margin-top: 20px;">Draft Posts:</h3>
    <ul class="list-group">
        <% if (availableDrafts && availableDrafts.length > 0) { %>
            <% availableDrafts.forEach(function(draft) { %>
            <li class="list-group-item blogpost-row">
                <a href="/draft/<%= draft.draft_id %>" class="nav-link"><%= draft.title %></a>
                <span class="nav-link-2">Created on: <%= draft.created %></span>
                <span class="nav-link-2">Last modified: <%= draft.last_modified %></span>
                <div style="padding-right: 15px;">
                    <a href="/draft/<%= draft.draft_id %>/edit" style="color: grey; display:
block;"><i class="fa fa-edit"></i></a>
                </div>
                <div style="padding-right: 15px;">
                    <form action="/draft/<%= draft.draft_id %>/delete-draft" method="POST">
                        <button type="submit" style="border: none; background: none; color:
grey;"><i class="fa fa-trash"></i></button>
                    </form>
                </div>
            </li>
            <% }) %>
        <% } else { %>
            <li class="list-group-item">No saved drafts</li>
        <% } %>
```

```
        </ul>

        <a href="<%= `/${user}/new-draft` %>" class="btn button-primary" style="margin-
top: 20px;">Create New Draft</a>

      </div>

    </section>


    <!-- Bootstrap JS and dependencies -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></scrip
t>

    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>


blogpost.ejs

<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title><%= blogpost.title %></title>

  <!-- Bootstrap CSS -->

  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

  <!-- Link to my custom CSS -->
```

```html
    <link rel="stylesheet" href="/main.css">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

    <!-- Font Awesome for icons -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">

</head>

<body>

  <div class="navbar-no-shadow">

    <div data-animation="default" data-collapse="medium" data-duration="400" data-
easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-
nav">

      <div class="container-regular">

       <div class="navbar-wrapper">

        <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png"
loading="lazy" height="121" alt="" class="image">

        <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

         <ul role="list" class="nav-menu">

           <a href="/" class="nav-link">Home Page</a>

           <a href="/reader" class="nav-link">Reader's Page</a>

           <a href="<%= user ? `/${user}/author-home` : '/login' %>" class="nav-
link">Author's Page</a>

           <li class="mobile-margin-top-10">

             <div class="nav-button-wrapper">

               <% if (user) { %>

                 <button onclick="window.location.href='/<%= user %>/author-home'"
class="btn button-primary" >

                   <i class="fas fa-arrow-left" style="color: rgb(188, 188, 188);"></i> Back

                 </button>
```

```
          <% } else { %>

            <a href="/login" class="btn button-primary w-button">Sign In</a>

          <% } %>

          <% if (user) { %>

            <a href="/logout" class="btn button-primary w-button">Sign Out</a>

          <% } else { %>

            <a href="/users/add-user" class="btn button-primary w-
button">Register</a>

            <% } %>

        </div>

      </li>

      </ul>

      </nav>

      <div class="menu-button w-nav-button">

        <div class="w-icon-nav-menu"></div>

      </div>

      </div>

      </div>

    </div>

  </div>

  <section class="hero-without-image">

    <div class="container">

      <div class="hero-wrapper-two">

        <h3>Read Blog Post (Article) Page</h3>

        <h1><%= blogpost.title %></h1>

        <p>By <%= blogpost.author %> on <%= blogpost.date_published %></p>
```

```html
    <div>

      <p><%= blogpost.body %></p>

    </div>

    <div>

      <button id="likeButton" class="btn btn-light">

        <i class="fa fa-heart"></i> <span id="likeCount"><%= blogpost.likes
%></span>

      </button>

      <i class="fas fa-eye" style="color: grey;"></i> <%= blogpost.views %>

    </div>

  </div>

</section>


<section class="comments-section">

  <div class="container">

    <h2>Comments</h2>

    <ul class="list-group">

      <% if (comments && comments.length > 0) { %>

        <% comments.forEach(function(comment) { %>

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

            <strong><%= comment.username %>:</strong>

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

            <small><%= comment.date %></small>

          </li>

        <% }) %>
```

```html
        <% } else { %>

            <li class="list-group-item">No comments yet</li>

        <% } %>

      </ul>

    </div>

  </section>


  <section class="comment-form">

    <div class="container">

      <h2>Leave a Comment</h2>

      <form id="commentForm" action="/blogpost/<%= blogpost.blogpost_id %>/add-
comment" method="POST">

        <div class="form-group">

          <label for="username">Username</label>

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

        </div>

        <div class="form-group">

          <label for="body">Comment</label>

          <textarea class="form-control" id="body" name="body" rows="3"
required></textarea>

        </div>

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

      </form>

    </div>

  </section>
```

```html
<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<script>

  document.getElementById('likeButton').addEventListener('click', function() {

    const blogpostId = '<%= blogpost.blogpost_id %>';

    console.log('Blogpost ID: ', blogpostId);

    if (!blogpostId) {

      console.error('Blogpost ID is missing');

      return;

    }

    fetch(`/blogpost/${blogpostId}/like`, {

      method: 'POST'

    })

    .then(response => response.json())

    .then(data => {

      document.getElementById('likeCount').textContent = data.likes;

    });

  });

</script>

</body>

</html>
```

edit.ejs

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Edit <%= type === 'blogpost' ? 'Post' : 'Draft' %></title>

  <!-- Bootstrap CSS -->

  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

  <!-- Link to my custom CSS -->

  <link rel="stylesheet" href="/main.css">

  <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

</head>

<body>

  <div class="navbar-no-shadow">

    <div data-animation="default" data-collapse="medium" data-duration="400" data-
easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-
nav">

      <div class="container-regular">

        <div class="navbar-wrapper">

          <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png"
loading="lazy" height="121" alt="" class="image">

          <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

            <ul role="list" class="nav-menu">

              <a href="/" class="nav-link">Home Page</a>
```

```html
<a href="/reader" class="nav-link">Reader's Page</a>

<a href="<%= user ? `/${user}/author-home` : '/login' %>" class="nav-link">Author's Page</a>

<li class="mobile-margin-top-10">

  <div class="nav-button-wrapper">

    <% if (user) { %>

      <a href="<%= `/${user}/settings` %>" class="btn button-primary w-button">Settings</a>

    <% } else { %>

      <a href="/login" class="btn button-primary w-button">Sign In</a>

    <% } %>

    <% if (user) { %>

      <a href="/logout" class="btn button-primary w-button">Sign Out</a>

    <% } else { %>

      <a href="/users/add-user" class="btn button-primary w-button">Register</a>

    <% } %>

  </div>

 </li>

 </ul>

</nav>

<div class="menu-button w-nav-button">

 <div class="w-icon-nav-menu"></div>

</div>

</div>

</div>

</div>
```

```
        </div>

        <section class="hero-without-image">

          <div class="container">

            <div class="hero-wrapper-two">

              <h1>Edit <%= type === 'blogpost' ? 'Post' : 'Draft' %></h1>

            </div>

          </div>

          <div class="container"></div>

          <div class="w-form">

            <form id="editForm" method="POST" action="/<%= type %>/<%= item[type ===
'blogpost' ? 'blogpost_id' : 'draft_id'] %>/edit">

                <input type="hidden" name="type" value="<%= type %>">

                <div class="form-group">

                  <label for="title">Title</label>

                </div>

                <div class="form-group">

                  <input class="title-field w-input" maxlength="256" name="title"
placeholder="Title" type="text" id="title" required="" value="<%= item.title %>">

                </div>

                <div class="form-group">

                  <label for="body">Body</label>

                </div>

                <div class="form-group">

                  <textarea class="body-field w-input" maxlength="5000" name="body"
placeholder="Write here" id="body" required=""><%= item.body %></textarea>

                </div>

                <div class="form-group">
```

```html
              <button type="submit" name="action" value="save" class="btn button-primary" style="background-color: #666666;">Save</button>

              <button type="submit" name="action" value="publish" class="btn button-primary">Publish</button>

          </div>

        </form>

      <div class="w-form-done">

       <section class="hero-without-image">

         <div>Thank you! Your <%= type === 'blogpost' ? 'post' : 'draft' %> is successfully updated!</div>

        </section>

       </div>

       <div class="w-form-fail">

        <section class="hero-without-image">

          <div>Oops! Something went wrong while updating.</div>

        </section>

       </div>

      </div>

     </section>

    <!-- Bootstrap JS and dependencies -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

  </body>

  </html>
```

index.ejs – HOME PAGE

```html
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>The Blog!</title>

  <!-- Bootstrap CSS -->

  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

  <!-- Link to my custom CSS -->

  <link rel="stylesheet" href="/main.css">

  <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

    <!-- Font Awesome for icons -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">

</head>

<body>

  <div class="navbar-no-shadow">

    <div data-animation="default" data-collapse="medium" data-duration="400" data-easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-nav">

      <div class="container-regular">

        <div class="navbar-wrapper">

          <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png" loading="lazy" height="121" alt="" class="image">

          <nav role="navigation" class="nav-menu-wrapper w-nav-menu">
```

```html
    <ul role="list" class="nav-menu">

      <a href="/about" class="nav-link">About</a>

      <a href="/reader" class="nav-link">Reader's Page</a>

      <a href="<%= user ? `/${user}/author-home` : '/login' %>" class="nav-
link">Author's Page</a>

        <li class="mobile-margin-top-10">

        <div class="nav-button-wrapper">

        <% if (user) { %>

          <a href="<%= `/${user}/settings` %>" class="btn button-primary w-
button">Settings</a>

          <% } else { %>

          <a href="/login" class="btn button-primary w-button">Sign In</a>

          <% } %>

          <% if (user) { %>

          <a href="/logout" class="btn button-primary w-button">Sign Out</a>

          <% } else { %>

          <a href="/users/add-user" class="btn button-primary w-button">Register</a>

          <% } %>

        </div>

      </li>

    </ul>

    </nav>

    <div class="menu-button w-nav-button">

      <div class="w-icon-nav-menu"></div>

    </div>

  </div>

  </div>
```

```html
          </div>

        </div>

      <section class="hero-without-image">

        <div class="container">

          <div class="hero-wrapper-two">

          <h1>Welcome to The Blog!</h1>

          <p class="lead text">Dive into a world of engaging content, curated just for you.
Whether you&#x27;re looking for inspiration, information, or a fresh perspective,
you&#x27;ll find it all here. Happy reading!</p>

          </div>

        </div>

      </section>

      <div class="container">

        <section class="gallery-slider">

          <h3 class="text-center">Our most popular blog posts</h3>

          <div class="gallery-wrapper">

            <div class="container">

              <% if (mostLikedPosts && mostLikedPosts.length > 0) { %>

                <ul class="list-group">

                  <% mostLikedPosts.forEach(function(post) { %>

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

                      <a href="/blogpost/<%= post.blogpost_id %>" class="nav-link"
style="font-size: 18px; margin-left: 0px; padding-left: 0px;"><%= post.title %></a>

                      <span class="text"> By: <%= post.username %></span>

                      <span class="float-right"><i class="fa fa-heart"></i> <%= post.likes
%></span>

                    </li>
```

```
          <% }) %>

        </ul>

      <% } else { %>

        <p class="lead text">No popular posts available.</p>

      <% } %>

    </div>

  </div>

</section>

</div>

<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>
```

login.ejs

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Login</title>
```

```html
    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

    <!-- Link to my custom CSS -->

    <link rel="stylesheet" href="/main.css">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>
</head>
<body>
    <div class="navbar-no-shadow">

        <div data-animation="default" data-collapse="medium" data-duration="400" data-
easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-
nav">

            <div class="container-regular">

                <div class="navbar-wrapper">

                    <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png"
loading="lazy" height="121" alt="" class="image">

                    <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

                        <ul role="list" class="nav-menu">

                            <a href="/" class="nav-link">Home page</a>

                            <a href="/about" class="nav-link">About</a>

                            <a href="/reader" class="nav-link">Reader's Page</a>

                        </ul>

                    </nav>

                    <div class="menu-button w-nav-button">

                        <div class="w-icon-nav-menu"></div>

                    </div>

                </div>
```

```html
        </div>

      </div>

    </div>

  <div class="container">

    <h1 class="text-center">Sign In</h1>

    <p class="lead text-center">Please sign in to access the author's page and
settings</p>

    <% if (typeof error !== 'undefined') { %>

      <div class="alert alert-danger text-center"><%= error %></div>

    <% } %>

    <form method="POST" action="/login" class="mx-auto" style="max-width: 400px;">

      <div class="form-group">

        <label for="username">Username</label>

        <input id="username" type="text" name="username" class="form-control"
placeholder="username" required />

      </div>

      <div class="form-group">

        <label for="password">Password</label>

        <input id="password" type="password" name="password" class="form-control"
placeholder="password" required />

      </div>

      <div class="text-center">

        <input type="submit" value="Submit" class="btn button-primary w-button" />

      </div>

      <div class="'text-center">

        <p class="text-center">Don't have an account?

        <a href="/users/add-user" class="nav-link">Register here</a></p>
```

```
        </div>

      </form>

    </div>

    <!-- Bootstrap JS and dependencies -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>


new-draft.ejs


<!doctype html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>New Draft - <%= user %>'s Blog</title>

    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

    <!-- Link to my custom CSS -->

    <link rel="stylesheet" href="/main.css">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>
```

```html
<!-- Font Awesome for icons -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">
</head>
<body>
  <div class="navbar-no-shadow">
    <div data-animation="default" data-collapse="medium" data-duration="400" data-easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-nav">
      <div class="container-regular">
        <div class="navbar-wrapper">
          <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png" loading="lazy" height="121" alt="" class="image">
          <nav role="navigation" class="nav-menu-wrapper w-nav-menu">
            <ul role="list" class="nav-menu">
              <a href="/" class="nav-link">Home Page</a>
              <a href="/about" class="nav-link">About</a>
              <a href="/reader" class="nav-link">Reader's page</a>
              <li class="mobile-margin-top-10">
                <div class="nav-button-wrapper">
                  <% if (user) { %>
                    <button onclick="window.location.href='/<%= user %>/author-home'" class="btn button-primary" >
                      <i class="fas fa-arrow-left" style="color: rgb(188, 188, 188);"></i>
Back
                    </button>
                  <% } else { %>
                    <a href="/login" class="btn button-primary w-button">Sign In</a>
```

```
                    <% } %>

                    <% if (user) { %>

                     <a href="/logout" class="btn button-primary w-button">Sign Out</a>

                    <% } else { %>

                     <a href="/users/add-user" class="btn button-primary w-
button">Register</a>

                    <% } %>

                   </div>

                  </li>

                 </ul>

                </nav>

                <div class="menu-button w-nav-button">

                  <div class="w-icon-nav-menu"></div>

                </div>

               </div>

              </div>

             </div>

            </div>

            <div class="container">

              <h3 class="text-center">Create New Draft</h3>

              <h1 class="text-center"><%= user %>'s Blog</h1>

            </div>

            <section class="hero-without-image">

              <div class="container">

                <form action="/<%= user %>/new-draft" method="POST">

                  <div class="form-group">
```

```html
        <label for="title">Title</label>

        <input type="text" id="title" name="title" class="form-control"
placeholder="Enter draft title" required>

      </div>

      <div class="form-group">

        <label for="body">Body</label>

        <textarea id="body" name="body" class="form-control" rows="6"
placeholder="Write your draft here" required></textarea>

      </div>

      <div class="form-group">

        <button type="submit" name="action" value="save" class="btn button-primary"
style="background-color: #666666;">Save Draft</button>

        <button type="submit" name="action" value="publish" class="btn button-
primary">Publish</button>

      </div>

    </form>

  </div>

</section>


<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>
```

reader.ejs

```html
<!doctype html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Reader's Page</title>

    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

    <!-- Link to my custom CSS -->

    <link rel="stylesheet" href="/main.css">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

</head>

<body>

    <div class="navbar-no-shadow">

        <div data-animation="default" data-collapse="medium" data-duration="400" data-easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-nav">

            <div class="container-regular">

                <div class="navbar-wrapper">

                    <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png" loading="lazy" height="121" alt="" class="image">

                    <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

                        <ul role="list" class="nav-menu">

                            <a href="/" class="nav-link">Home Page</a>
```

```
<a href="/about" class="nav-link">About</a>

<a href="<%= user ? `/${user}/author-home` : '/login' %>" class="nav-link">Author's Page</a>

<li class="mobile-margin-top-10">

  <div class="nav-button-wrapper">

    <% if (user) { %>

      <a href="<%= `/${user}/settings` %>" class="btn button-primary w-button">Settings</a>

    <% } else { %>

      <a href="/login" class="btn button-primary w-button">Sign In</a>

    <% } %>

    <% if (user) { %>

      <a href="/logout" class="btn button-primary w-button">Sign Out</a>

    <% } else { %>

      <a href="/users/add-user" class="btn button-primary w-button">Register</a>

    <% } %>

  </div>

</li>

</ul>

</nav>

<div class="menu-button w-nav-button">

  <div class="w-icon-nav-menu"></div>

</div>

</div>

</div>

</div>
```

```html
        </div>

    <div class="container">

        <h1 class="text-center">Reader Home Page</h1>

        <h3 class="lead text-center">Here you can see all of our registered authors and their
blog posts (articles):</h3>

    </div>

    <section class="hero-without-image">

      <div class="container">

        <ul class="list-group">

          <% if (availableUsers && availableUsers.length > 0) { %>

            <% availableUsers.forEach(function(user) { %>

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

              <strong><%= user.username %></strong>

              <ul class="list-group">

                <% if (user.blogposts && user.blogposts.length > 0) { %>

                  <% user.blogposts.forEach(function(blogpost) { %>

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

                    <a href="/blogpost/<%= blogpost.blogpost_id %>" class="nav-link"><%=
blogpost.title %></a>

                    <span class="nav-link-2">Published on: <%= blogpost.date_published
%></span>

                  </li>

                  <% }) %>

                <% } else { %>

                  <li class="list-group-item">No blog posts available for this author</li>

                <% } %>

              </ul>
```

```html
        </li>

      <% }) %>

    <% } else { %>

      <li class="list-group-item">No registered users available</li>

    <% } %>

  </ul>

</div>

</section>


<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>
```

settings.ejs

```html
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title><%= user %>'s Blog</title>
```

```html
    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

    <!-- Link to my custom CSS -->

    <link rel="stylesheet" href="/main.css">

    <link rel="icon" href="/assets/favicon.ico" type="image/x-icon"/>

    <!-- Font Awesome for icons -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">

</head>

<body>

    <div class="navbar-no-shadow">

        <div data-animation="default" data-collapse="medium" data-duration="400" data-
easing="ease" data-easing2="ease" role="banner" class="navbar-no-shadow-container w-
nav">

            <div class="container-regular">

                <div class="navbar-wrapper">

                    <a href="#" class="navbar-brand w-nav-brand"></a><img src="/assets/Logo.png"
loading="lazy" height="121" alt="" class="image">

                    <nav role="navigation" class="nav-menu-wrapper w-nav-menu">

                        <ul role="list" class="nav-menu">

                            <a href="/" class="nav-link">Home Page</a>

                            <a href="/about" class="nav-link">About</a>

                            <a href="/reader" class="nav-link">Reader's page</a>

                            <li class="mobile-margin-top-10">

                                <div class="nav-button-wrapper">

                                    <% if (user) { %>
```

```
                    <button onclick="window.location.href='/<%= user %>/author-home'"
class="btn button-primary" >

                        <i class="fas fa-arrow-left" style="color: rgb(188, 188, 188);"></i>
Back

                    </button>

                <% } else { %>

                 <a href="/login" class="btn button-primary w-button">Sign In</a>

                <% } %>

                <% if (user) { %>

                 <a href="/logout" class="btn button-primary w-button">Sign Out</a>

                <% } else { %>

                    <a href="/users/add-user" class="btn button-primary w-
button">Register</a>

                 <% } %>

                </div>

             </li>

           </ul>

         </nav>

         <div class="menu-button w-nav-button">

           <div class="w-icon-nav-menu"></div>

         </div>

        </div>

      </div>

    </div>

  </div>

  <div class="container">

    <h3 class="text-center">Author - Settings Page</h3>
```

```html
    <h1 class="text-center"><%= blogTitle %> - <%= user %>'s Blog</h1>

  </div>

  <section class="hero-without-image">

    <div class="container">

      <form action="/<%= user %>/settings" method="POST" class="mt-4">

        <div class="form-group">

          <label for="username">Username</label>

          <input type="text" class="form-control" id="username" name="newUsername"
value="<%= user %>" required>

        </div>

        <div class="form-group">

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

          <input type="text" class="form-control" id="blogTitle" name="newBlogTitle"
value="<%= blogTitle %>" required>

        </div>

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

      </form>

    </div>

  </section>

  <!-- Bootstrap JS and dependencies -->

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

  <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

  <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>
```

```html
</html>
```

// END OF MY OWN CODE