

Bug and Debugging Process

1. Bug Description:

The bug occurs when trying to render the submit.ejs page after submitting the contact form. It throws an error saying Cannot read properties of undefined (reading 'name').

2. Reproducing the Bug:

Go to the contact page.

Fill out the form and submit it.

The page should redirect to /submit, which renders the submit.ejs page.

The error occurs on the submit.ejs page when trying to display the form data (name, email, message).

3. Debugging Process:

Checked the form submission code in app.post("/submit", async function (req, res) {...}) to ensure that the form data is being correctly processed and sent to the submit.ejs page.

Inspected the submit.ejs file to see if there are any typos or syntax errors in accessing the form data.

Reviewed the route handlers and middleware to ensure that there are no issues with passing data to the submit.ejs view.

4. Resolution:

Identified that the issue was with how the form data was being passed to the submit.ejs page. The variable formData was not defined in the route handler.

Fixed the issue by passing the form data as an object when rendering the submit.ejs page:

javascript

Copy code

```
res.render('submit', {
```

```
  title: 'Welcome to my portfolio!',
```

```
  formData: req.body // Pass form data to the view
```

```
});
```

5. Preventive Measures:

Always ensure that form data is correctly passed to views when rendering them after form submissions.

Use error handling and logging to catch such issues early and provide meaningful feedback to users.

6. Testing:

Tested the fix by submitting the contact form and verifying that the submit.ejs page renders without any errors.

Tested different scenarios, such as empty form fields, to ensure that the form validation and error handling work correctly.

7. Conclusion:

The bug was successfully identified and fixed by ensuring that the form data is correctly passed to the view when rendering the submit.ejs page after form submission.

8. Appendix:

No additional information is required for this bug and debugging process.