

## Report on Server-Side Validation (Practical 2: Fundamentals of Secure Coding)

From this practical, I came to know how **server-side validation** protects applications from wrong or unsafe data. Client-side checks are useful for giving quick feedback to users, but they can easily be bypassed, so server-side validation is needed to make the system more reliable and secure. This made me understand that validation is not only about making forms look correct, but also about protecting the database and the whole application from errors or attacks.

I also got hands-on practice in building a **signup and login application** with Node.js, Express, and MongoDB. I learned how the form data is saved in the database and checked during login, and I used MongoDB Compass to view the stored records. While doing this, I also became familiar with setting up project folders, writing Express routes, and using Handlebars templates to display pages. Overall, this activity improved my skills in secure coding, taught me how to integrate the backend with a database, and gave me real experience in how authentication systems actually work in practice.

