Input validation and sanitization –

The things we should consider whenever we talk about input validation, we have seen issues like sql injection, issue like ssji, ssrf, xss attack, there are n no of attacks there I can talk about which actually happens when we do not handle the user inputs in the right fashion.

Now we are talking about what are the best practices –

* Use Framework library – like react
* Whitelist validation – what the data you get from the user, what are the input keys and values which is the valid data for your system you should know that and you should define that it cannot be blindly or openly trust that everything works for me.
* Regular Expressions -
* Escape user input –
* Parametrized URLs – you may be taking some query param, you may be taking information into the URL which is dynamic parameter and you are going to leverage and execute that on the server in one way the other, you have to take care of those user inputs also its not just a form user input, those user inputs be taken care off and handled in a right fashion.
* Validate Data Types –
* Length & Size check –
* Images & Files
* Add client-side validation
* Error Handling
* Security Headers
* Regular updates & patch
* Security Audits & Testing
* Education & Training
* Avoid using Third-party libraries