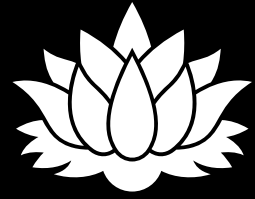


# Sailesh Rajanala

Team Lead, Team Lotus  
Technical Journal



## Week #3 | 02/14 - 02/20

### Research

This week, my research is about “Transition of a HTML form into a php form”.

I consider this as an important research that benefits the group because a form built using php supports “server-side” validation rather than “client-side” validation.

Sever-side validation makes sure that the client or the user has no control over how their submission is checked for validation. Hence, the user CANNOT bypass the form’s security during submission.

These are the webpages I have been referring to as part of my research on server-side form validation.

[https://www.w3schools.com/php/php\\_form\\_validation.asp](https://www.w3schools.com/php/php_form_validation.asp)  
[https://www.w3schools.com/php/php\\_forms.asp](https://www.w3schools.com/php/php_forms.asp)

### Lessons & Best Practices

This week, I have learned that sever-side validation is better than client-side validation due to the reason stated above. Therefore, I consider the best practice when creating a form is to create it using sever-side validation.

# Assignment Progress Notes

This week, we as a team have completed CODE OF CONDUCT, 2nd SEMESTER WORK STATEMENT, and our first WEEKLY MINUTES assignments.

Since, we are new to the concept of Technical Journal that seems to be different from the traditional individual journal from previous semester, we as a team are carefully trying to understand the dos and don'ts regarding writing our Technical Journals.

# Prototype Development Notes

This week, I have NOT done any major developments to the prototype other than adding some new CSS 3 features (design features) to the existing version of the prototype. We as a team, decided to start working on the Prototype starting next week.

Some of the code snippets which I contributed this week are showcased below.

Code below is to make a record change color and shrink when the user clicks and holds it. (Bright mode & Dark mode)

```
tr:active
{
    transform: scale(0.99);
    box-shadow: none;
    cursor: pointer;
    color: white;
    background-color: black;
}
```

# Results & Conclusions

There are no research results yet. The research is basically myself trying to understand and get familiar with php form development. The conclusion I had so far is that there is much to learn in php and there are new things I learned this semester so far while doing my research.

# Problem

## What's the Problem?

The problem this week is that the team has no experience in developing a web form that contains sub forms.

## Why's it a problem?

It is a problem because we as a team, has created a web form that is simple and small. We did it with HTML, CSS and Javascript (used only for validation).

The problem is that we need to create a new form that contains various sub forms. (A dynamic form that switches between different fields basing on the user's input)

For example, if the user selects an option stating that they like to be a Guest speaker, then the form has to ask the next few questions that are unique to that option. In other words, the form should be able to ask different questions as per the user's input.

We as a team never done this before. I personally have no experience.

## Possible Solution

I think a possible solution is to get familiar with more Javascript applications. I am going to research about php form validation and how to utilize Javascript to show user's input-specific questions. I have experience using javascript to show and hide HTML elements. Moreover, I think it is better to draw the logic on piece of paper, plan it and understand and study the ISME form deeply so that we could develop a dynamic form. Since dynamic forms heavily depend on Javascript, I think it is important to learn more about Javascript.