

Project 8 – Forms & Contact

In this project, you will improve a form.

Examine the Current Form

1. Load **tip-calc.htm** in your browser and notice the calculator works fine – but without validation, it doesn't always work perfectly.
2. View the HTML code and notice both email addresses could easily be harvested by spambots.

Problems

- No field is automatically focused on page load, so user must click before they type their name.
- No fields are required.
- Users can enter non-numbers in the number fields.
- The Round Off checkbox is pretty much useless – it doesn't do anything.

Fix It

Here's what should happen, in no particular order:

- Email addresses should not be available in the source HTML. Use a single abstracted function and call it twice to feed it different email addresses. This is the only edit to the HTML structure you may make. (You may need to edit the form fields' attributes if you use a validation plug-in.) You may also add a CSS rule if necessary.
- Auto-focus the Name field on page load.
- Auto-clear the 15 in Tip Percent if the field receives focus (so users can easily change it). If they leave it blank, re-fill it with the default 15.
- Disable the three bottom radio buttons on page load. Enable them if the Round Off box is checked. Disable them if the Round Off box is unchecked.
- Require Name, Gender, Total bill, and Tip Percent. If any of these are missing, disallow the form submission and provide a user-friendly message/reminder (NOT in an alert pop-up).
- Ensure Total Bill and Tip Percent are numerical. If they aren't, disallow the form submission.
- Write your own code or use a jQuery plug-in. You may need to edit the calculate.js file to prevent the calculation from firing if the form fails validation.
- `$('document').ready() { }` should contain function calls only – no actual 'work' should be executed here.

Suggestion

I **strongly** suggest you write your own code to handle everything except the validation first. (Hide the email addresses, auto-focus Name field, auto-clear Tip Percent field and refill it if blank, and enable/disable rounding options based on checkbox.) Get that working. Then – write your own or use a plug-in for the validation.