# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5443 Web Technologies Study Guide **Module 9: User Input Processing**

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## Overview and learning outcomes

HTML forms can be processed at the client side as well as at the server side. In this module, we will practice using PHP to process HTML form inputs, and also see the best practices of form processing utilizing both client side and server side.

1. Read URL parameters at the server side using PHP
2. Read form data sent using either GET or POST method at the server side using PHP.
3. Develop simple web applications with PHP involving user inputs.

This module is related to course level learning outcomes 2.

## Task list

1. Follow the core online learning materials listed in learning materials to learn and practice PHP.
2. Read the lecture notes and use it as a basic guide.
3. Exercise (no submission; practice until you feel comfortable and confident to complete the project)
   1. Follow the exercises in readings. Summarize all mistakes you have made during the exercise.
   2. Complete the lab. Summarize all mistakes you have made during the exercise.
4. Review and research:
   1. How is PHP form processing different from JavaScript form processing? Summarize the HTML form use differences between them.
5. Assignment: complete project milestone #3
6. Quiz: complete quiz #4 (module 7-9)

## Learning materials

1. Core online learning materials. Again, choose the one that fits to your learning style and technical foundation. Follow the tutorial to complete the hands-on examples.
   1. PHP processing URL parameters: <http://html.net/tutorials/php/lesson10.php>
   2. <https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Sending_and_retrieving_form_data> (sections from “A special case” to the end are optional)
   3. Processing data in PHP video: <https://www.youtube.com/watch?v=0RLVUShmqTw> (note: the video tutorial uses a local web server; replace it with your web site server.)
   4. PHP Form Basic Handling: <http://www.w3schools.com/php/php_forms.asp>
2. Lecture notes: php-input.pdf - the lecture notes explains form processing in details.
3. “php input examples and lab.zip”
   1. Lab: “lab9 php input.docx” guide and associated files.
   2. Examples “php-input examples” provided by the instructor.
4. References and examples
   1. W3schools: <http://www.w3schools.com/php/php_examples.asp>
5. Additional readings and resources on form validation
   1. <http://itwebtutorials.mga.edu/php/chp7/default.aspx>
   2. More about form validation
      1. <https://www.w3schools.com/php/php_form_validation.asp>
      2. <https://www.w3schools.com/js/js_validation.asp>
      3. Simple form validation using JavaScript <https://www.youtube.com/watch?v=_Z-0cwONN6c> or <https://www.youtube.com/watch?v=Bl59zGI1gCA>
      4. <https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Form_validation>
      5. <http://www.sitepoint.com/html5-form-validation/>
      6. <http://javascript-coder.com/html-form/javascript-form-validation.phtml>
   3. <http://www.javascript-coder.com/javascript-form/javascript-form-submit.phtml>
   4. <http://form.guide/php-form/php-form-tutorial.html>
   5. <http://form.guide/php-form/php-form-processing.html>