

# Handling HTTP requests and responses in CodeIgniter

Topics : [Codeigniter](#)

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In CodeIgniter, you can handle HTTP requests and responses within your controllers. Here's a guide on how to handle HTTP requests and responses:

## Handling HTTP Requests:

### 1. Accessing Request Data:

- Use CodeIgniter's input class to access request data such as GET, POST, PUT, DELETE parameters.
- Example:

```
// Getting POST data
$post_data = $this->input->post();

// Getting GET data
$get_data = $this->input->get();

// Getting PUT data (via PHP input stream)
parse_str(file_get_contents("php://input"), $put_data);

// Getting DELETE data (similar to PUT)
```

### 2. Determining Request Method:

- Use the `method()` method of the input class to determine the HTTP request method.
- Example:

```
$http_method = $this->input->method();
```

## Handling HTTP Responses:

### 1. Setting Response Headers:

- Use CodeIgniter's output class to set HTTP response headers.
- Example:

```
$this->output->set_content_type('application/json');
```

## 2. Returning JSON Response:

- Use `json_encode()` to encode data as JSON and set it as the response.
- Example:

```
$data = array('key' => 'value');  
$json_response = json_encode($data);  
$this->output->set_output($json_response);
```

## 3. Returning HTML Response:

- Use CodeIgniter's view loading mechanism to load and display HTML views as responses.
- Example:

```
$this->load->view('my_view', $data);
```

## 4. Returning Other Types of Responses:

- Use appropriate methods of the output class to set the response content type and output data accordingly.
- Example:

```
$this->output->set_content_type('text/plain')->set_output('Hello,  
World!');
```

## Example Controller Method:

```
public function handle_request() {  
    // Determine HTTP method  
    $http_method = $this->input->method();  
  
    // Handle different HTTP methods  
    switch ($http_method) {  
        case 'get':  
            // Handle GET request  
            break;  
        case 'post':  
            // Handle POST request  
            break;  
        case 'put':  
            // Handle PUT request  
            break;  
        case 'delete':  
            // Handle DELETE request  
            break;  
        default:
```

```
        // Handle unsupported request
        break;
    }

    // Set response content type and output data
    $this->output
        ->set_content_type('application/json')
        ->set_output(json_encode($response_data));
}
```

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