# Field Structure


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When creating new form fields we needs to have a few basic settings like a unique name and a label that will be used in the editor. Next is the render function that outputs the field markup. The field can also have a validation check. This last piece is an optional set of controls, where a user can configure their custom data.

# Form Field Class

First, we need to create a class that extends the `\ElementorPro\Modules\Forms\Fields\Field_Base` class:

```
class Elementor_Test_Field extends \ElementorPro\Modules\Forms\Fields\Field_Base {
}
```

# Form Field Structure

As mentioned above, Elementor form fields extend the `\ElementorPro\Modules\Forms\Fields\Field_Base` class and inherit its methods. A simple field skeleton will look as follows:

```
class Elementor_Test_Field extends \ElementorPro\Modules\Forms\Fields\Field_Base {

	public function get_type(): string {}

	public function get_name(): string {}
```

```
public function get_script_depends(): array {}

public function get_style_depends(): array {}

public function render( $item, $item_index, $form ): void {}

public function validation( $field, $record, $ajax_handler ): void {}

public function update_controls( $widget ): void {}

}
```

Let’s break it down:

- **Field Type** – The `get_type()` method returns the field name (id) that will be used in the code.
- **Field Name** – The `get_name()` method returns the field label that will be displayed to the user.
- **Field Scripts** – The `get_script_depends()` method defines the JS files required to display the field.
- **Field Styles** – The `get_style_depends()` method defines the CSS files required to display the field.
- **Field Render** – The `render()` method renders the data and displays the field output.
- **Field Validation** – The `validation()` method runs a series of checks to ensure the data complies to certain rules.
- **Field Controls** – The `update_controls()` method updates the widget controls, it allows developers to add new controls to specific field types.

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