

FORM FIELDS FILLING DETECTION

RESULTS:

Metric	Value
Total Forms Processed	43
Forms Fully Fillable	18 (41.86%)
Incomplete Forms Logged	25
Forms Ignoring Captcha Fields	6
Forms Ignoring Checkbox Fields	11
Unfilled Forms Due to Only Unrequired Fields	21
Unfilled Forms Due to Required Fields	4

SCRIPT BRIEF:

This script analyzes a folder of contact form HTML files to determine whether each form is fully fillable using a predefined set of field groups (e.g., name, email, message, phone, etc.). It:

1. Parses each form's fields by:

- Parsing all `<input>`, `<textarea>`, and `<select>` fields.
- Extracting labels via `aria-label`, placeholder, name, or associated `<label for=...>` tags.
- Matching each field to a known category using:
 - The type attribute (priority)
 - Then the normalized label text
 - Including fuzzy matching logic.
 - Forms are considered **fully fillable** if **every visible field** (both required and optional) can be matched to a known predefined field.
- Forms are logged as:
 - **Filled:** all fields matched
 - **Unfilled:** one or more unmatched fields (stored under `non_filled_fields`)
- **Ignores:**
 - Hidden (`type="hidden"` or styled with `display:none`)
 - Submit buttons (`type="submit"`)
 - Checkbox inputs (`type="checkbox"`)
 - Captcha/quiz-related fields (e.g., labels like "captcha", "quiz", "g-recaptcha")
 - Any field or parent with `style="display: none"`

2. Normalizes and smartly matches each field to one of the predefined field groups using both field type and label (with fuzzy matching as fallback).

3. Records each field's info (label, type, matched group, required status) and logs whether any captcha or checkbox fields were ignored.

4. Determines if a form is fully fillable by checking if all fields (required and optional) are matched with the predefined field groups.

5. Saves logs:

- Fillable forms → `fillable-forms/`
- Unfilled forms → `unfilled-forms/` (along with unmatched fields)