

Fourlanes Trial Project Brief

Project: Wagtail Content Blocks & Resource Library

Timeline: Up to 2–4 weeks (self-paced, to allow for learning time)

Compensation: Paid trial (rate as communicated)

Overview

At Fourlanes, many of our clients use **Wagtail CMS** for content management. To support their needs, we often build **custom StreamField blocks** and **filterable resource libraries** that give editors flexibility and end-users a smooth experience.

This trial exercise is designed to test your ability to:

1. Build reusable, editor-friendly StreamField blocks.
 2. Create a structured Wagtail model with filtering and search.
 3. Write clean, maintainable code that balances functionality and usability.
-

Scope of Work

Part 1: StreamField Block Library

Create a small set of **custom StreamField blocks** that an editor could use to build flexible pages. At a minimum, include the following:

- **WYSIWYG/RichText Editor** (supports the addition of ONLY the following features: H1 to H4, Bold, Italics, Underline, Lists (ordered and unordered), Link)
- **Image with Caption** (image + text below it).
- **Quote** (quote text + attribution field).
- **Statistic Highlight** (number + label, e.g., “95% — *Satisfaction rate*”).
- **Call-to-Action Card** (title, text, button link, background color option).

Requirements:

- Blocks should be reusable across different page types.
 - Templates should render cleanly using simple, responsive HTML/Tailwind CSS.
 - Blocks should be intuitive to use in the Wagtail admin.
-

Part 2: Resource Page with Filtering

Build a basic **resource library** with two page types:

1. **ResourcePage** — fields: title, description, category (choice field), tags (taggit), and file upload (PDF or similar).
2. **ResourceIndexPage** — lists all **ResourcePage** children and allows users to:
 - Filter by category.
 - Filter by tag.
 - Search by title/description.

Requirements:

- Use Django querysets to handle filtering and searching.
 - Display results in a clean, paginated list.
 - Show selected filters clearly in the UI.
-

Deliverables

1. A GitHub repo containing:
 - Wagtail models, templates, and any helper code.
 - Example migrations and fixtures (or simple test data).
 - Basic README with setup instructions.
 2. Screenshots or a short screencast showing the features in action.
-



Evaluation Criteria

We'll review your work based on:

- **Functionality:** Do the blocks and resource library work as described?
- **Learning & Problem-Solving:** How well you research/learn to complete the task, even if not everything is perfect.

Bonus Criteria:

- **Code Quality:** Is the code clear, well-structured, and maintainable?
 - **Usability:** Is the Wagtail admin experience intuitive for editors?
 - **Frontend Presentation:** Are templates clean, responsive, and user-friendly?
-



Notes

- You don't need to make this “production-perfect” — the goal is to see how you approach real-world Wagtail tasks.
- Feel free to ask clarifying questions at any point.
- If you want to go beyond the brief, you may add optional enhancements (e.g., extra block types, resource filters, or styling improvements) — but please keep the core requirements in place.