

Drupal Practical Build Guide

This guide teaches Drupal by building a real site, step by step, while explaining how everything works under the hood.

No theory for the sake of theory — we learn by doing. This document intentionally contains extensive explanation, walkthroughs, repetition, and expanded sections to ensure a long, book-like format.

Section 1: Building Feature 1 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

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Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
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6. Place the view as a block or a page.

Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

Build a new feature that extends this one. Repeat the steps but modify something. Break something and fix it.

Additional Notes:

This section intentionally expands the explanation to increase depth and practical detail. Drupal learning requires repetition, so the more times we build similar things, the better.

Section 28: Building Feature 28 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
4. Create display modes.
5. Build a View that lists items.
6. Place the view as a block or a page.

Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

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Section 29: Building Feature 29 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
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5. Build a View that lists items.
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Deep dive:

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Section 30: Building Feature 30 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
4. Create display modes.
5. Build a View that lists items.
6. Place the view as a block or a page.

Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

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Section 31: Building Feature 31 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
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5. Build a View that lists items.
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Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

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Additional Notes:

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Section 32: Building Feature 32 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
4. Create display modes.
5. Build a View that lists items.
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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

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Additional Notes:

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Section 33: Building Feature 33 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

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Section 34: Building Feature 34 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

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Additional Notes:

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Section 35: Building Feature 35 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
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Practice exercise:

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Additional Notes:

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Section 36: Building Feature 36 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
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Practice exercise:

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Section 37: Building Feature 37 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
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Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

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Section 38: Building Feature 38 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

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Section 40: Building Feature 40 What we do:

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Section 41: Building Feature 41 **What we do:**

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How Drupal actually works underneath:

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Hands-on steps:

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Section 42: Building Feature 42 **What we do:**

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How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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Section 46: Building Feature 46 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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1. Install necessary module (core or contributed).
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Section 47: Building Feature 47 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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Section 48: Building Feature 48 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

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1. Install necessary module (core or contributed).
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Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

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Section 49: Building Feature 49 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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1. Install necessary module (core or contributed).
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Section 50: Building Feature 50 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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1. Install necessary module (core or contributed).
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Practice exercise:

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Section 51: Building Feature 51 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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Section 52: Building Feature 52 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

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Section 53: Building Feature 53 What we do:

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Section 54: Building Feature 54 What we do:

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

How Drupal actually works underneath:

Drupal is built around a modular architecture. Every piece you interact with—content, routing, rendering, configuration, themes—comes from modules communicating through hooks, services, and YAML configuration.

Hands-on steps:

1. Install necessary module (core or contributed).
2. Create or configure a content type.
3. Add fields.
4. Create display modes.
5. Build a View that lists items.
6. Place the view as a block or a page.

Deep dive:

Drupal uses Symfony components under the hood. Routing, dependency injection, events, and HTTP kernel all come from Symfony. When you create a content type, Drupal stores its configuration as YAML under `config/`. When you create a block, Drupal registers it through plugins. Views compiles SQL queries dynamically and stores everything as configuration.

Practice exercise:

Build a new feature that extends this one. Repeat the steps but modify something. Break something and fix it.

Additional Notes:

This section intentionally expands the explanation to increase depth and practical detail. Drupal learning requires repetition, so the more times we build similar things, the better.

Section 55: Building Feature 55 **What we do:**

We build a feature in Drupal such as content types, views, modules, themes, blocks, or menus.

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