

# coding methodology drupal follow

Drupal development follows a combination of coding methodologies and standards to ensure code quality, consistency, and maintainability. These include:

- **Drupal Coding Standards:** This is a comprehensive set of guidelines covering PHP, CSS, JavaScript, and other aspects of Drupal development. It dictates formatting, naming conventions for variables, functions, and classes, and generally promotes readable and consistent code across the project. For example, it specifies rules for brace placement, indentation, and comment styles.
- **Object-Oriented Programming (OOP):** Modern Drupal (Drupal 8 and later) heavily utilizes OOP principles. This involves structuring code using classes, objects, inheritance, and encapsulation to create modular, reusable, and maintainable components. Concepts like access modifiers (public, private, protected), namespaces, and magic methods ( `__construct`, etc.) are actively employed.
- **BEM Methodology (for CSS):** For styling, the BEM (Block, Element, Modifier) methodology is a widely recommended practice. This helps in writing organized, modular, and maintainable CSS by clearly defining relationships between components (blocks), their parts (elements), and their variations (modifiers).
- **PSR Standards (for PHP):** Drupal 8 and beyond adopted certain PHP Standard Recommendations (PSRs), particularly for package namespaces and autoloading, ensuring interoperability and consistency with the broader PHP ecosystem.
- **Accessibility Standards (WCAG & ATAG):** Drupal development also emphasizes accessibility, striving to meet Web Content Accessibility Guidelines (WCAG) for public-facing interfaces and Authoring Tool Accessibility Guidelines (ATAG) for authoring tools.
- **Best Practices for Development Workflow:** This includes practices like using Git for version control, implementing code reviews, utilizing automated testing, and following secure coding principles to prevent vulnerabilities.

By adhering to these methodologies and standards, Drupal development aims to produce high-quality, scalable, and collaborative projects.

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