

Full Stack Drupal Developer – Evaluation Task

Practical Implementation Tasks

1. Custom Module

Create a custom module named **custom_content_tools** following Drupal 10/11 standards.

2. Content Type

Create a content type named **Content Item** with the following fields: Title, Summary, Publish Date, Featured Image.

The content type may be created via configuration or programmatically. Please clearly document your approach and reasoning in the README.

3. Block Plugin

- Displays latest published Content Items
- Item count configurable via block settings
- Displays title and publish date
- Uses Render API only
- No raw database queries

4. Caching

- Cache tags: **node_list**
- Cache contexts: **url.path**, **user.roles**
- Explicit cache max-age (with explanation in README)

5. Twig / Theming

- Create a custom Twig template or view mode for Content Item
- Display title, summary, publish date, and featured image
- Add a "New" badge for items from the last 7 days using preprocess logic

6. Views Page

- Create a Views page listing only Content Items created by the logged-in user
- Use contextual filter: Content author (uid) = current user
- Path example: /my-content-items
- Limit access to authenticated users only

Written Tasks

1. Debugging Task

Explain the Drupal error **Infinite recursion in Cache::mergeMaxAges()** and cover causes, bad vs good examples, and production debugging.

2. Design Reasoning Task

Explain caching design for a high-traffic site where output differs by user role.

Database & Setup Instructions (Inside ZIP / Repo)

Include a file named **SETUP.md** explaining all database and setup-related steps. If custom tables are created, document their schema and creation method. Additionally, include a **database backup/export** (for example, an SQL dump) inside the ZIP or repository so the setup can be reviewed or restored easily. If no database changes are required, clearly state this in SETUP.md.

Submission Requirements

- Module source code (ZIP or Git repository)
- README.md explaining architecture, caching, Twig, Views decisions
- SETUP.md with database/setup instructions
- Database backup/export file (if applicable)
- Written answers for both written tasks