Sample
- JSON News -

Task Description

To evaluate the level of expertise and skills working and developing with Drupal this task shall act for evaluation of the resources.

Expected Time: <8h
Questions are always allowed at any time, at any stage during the work.
Use of 3rd party libraries / modules: Allowed under the consideration for production use

Task definition

Create a custom Drupal module which enables the functionality of CRUD for custom "News" articles. Run this setup on a Docker container for local use.
(https://github.com/ljay79/Drupal-Sample-Task-Description)

We want to store a custom news article in Drupal CMS which has a defined set of information as outlined below. For performance reasons, these data shall be stored in custom entities rather than Drupal content entities model.
These news data will then be fetched from the Drupal JSON:API to be used on multiple frontends.

News will be added / edited / deleted only through the Drupal CMS UI.

For interoperability the resulting Drupal shall run on a docker container to be simply installed and used on a local environment. Most likely you will make user of docker-compose to setup a micro service architecture with php, nginx and mysql instances.
Resulting code shall be provided in any git repository service of your choice. (ie: BitBucket, Github, Gitlab, ..)

Requirements:

-   Decoupled (Headless) Drupal 9.x CMS; PHP7+; MySQL 5.7.x; Nginx
-   Drupal frontend is not required
-   JSON:API to allow fetching (readonly) the news data
-   Custom Module in PHP7 OOP style compliant with Drupal 9.x
-   Drupal compatibility 9.x (older versions do not require compatibility)
-   Code: use best practices for PHP 7+ code
-   Code documentation is required
-   Make use of Drupal / Existing functionality and feature were applicable
-   Honor the concept of re-usable code ; reduction of code redundancy
-   Module shall provide a set of sample data on install
-   Use of "hook_schema()" is not allowed

News Data

FIELD	TYPE / Comment	can be empty?	sample value
id		N	*1234567890*
external_id	VARCHAR; external sources unique identifier (can be hash, can be integer, ...)	N	*dpa_6a7f559bb7617438d0a0b8686b7d1771*
headline	VARCHAR; news headline/title	N	*Kunze und Beisenherz entschuldigen sich*
credit_line	VARCHAR; agency / copyright line	N	*Berlin/Köln (dpa) -*
teaser	VARCHAR; A short item, a headline with caption referring to or promoting a news article or feature on inside pages.	Y	*In der WDR-Sendung «Die letzte Instanz» diskutieren Gäste über diskriminierende Sprache. Inhalt und Form des Gesprächs sorgen für heftige Kritik und Rassismus-Vorwürfe im Netz. Nun entschuldigen sich zwei Teilnehmer.*
content_html	TEXT; entire news article content with basic HTML	N	* Nach Empörung und Kritik an der WDR-Sendung «Die letzte Instanz» haben sich Schauspielerin Janine Kunze (46, «Hausmeister Krause») und Moderator Micky Beisenherz (43) für ihre Aussagen entschuldigt. «Mir ist klar geworden, dass ich Menschen, insbesondere die der Sinti und Roma Community, mit meinen unbedachten Äußerungen zutiefst verletzt, als auch diskriminiert habe», schrieb Kunze am Sonntag bei Instagram. Beisenherz sagte am Montag in seinem Podcast «Apokalypse und Filterkaffee»: «Wenn ich Leute enttäuscht habe, dann tut mir das aufrichtig leid, denn das möchte ich nicht» *
date_publication	TIMESTAMP; article published originally	N	*1612169726*
author	VARCHAR; author of article / source / agency	N	*(dpa)*
image	VARCHAR; full URI to CDN hosted image	N	*https://icdn.ok.de/dpa/Kunze-und-Beisenherz-entschuldigen-sich.jpg*
meta_keywords	VARCHAR; comma separated list of keywords	Y	*Madonna, Miley Cyrus, Britney Spears*
source	VARCHAR; internal reference to the source of that content	N	*importer_dpa_v1.2*
date_created	timestamp of record created	N	*1640995199*
date_modified	timestamp of last record modification	N	*1640995199*