Setup drupal environment and creating paragraph based content

Author: Pravallika Vatambeti

Date: 22-02-2023

Table of Contents:

Summary:

- Prepare and set up a Drupal installation either locally or on a web server environment.
- Install and configure the Paragraphs module, enabling necessary sub-modules to extend content creation capabilities.
- Utilize the RESTful Web Services module to expose API endpoints that deliver content in JSON format, allowing external applications to access and utilize the Drupal content efficiently.

Body of the Document:

Setup drupal Enviornment:

Need to install xampp and setup phpmyadmin(mysql) and create a database for drupal. Then install drupal file extract and place them into htdocs file in xampp then we have try to access the our local (need to setup the site settings).

Content Types:

- We have content types (About Us , FAQS, Seasional products) with respective fields like (About Company Section Name, About Leadership Label etc..)

Paragraph Types:

- Install paragraph module using composer (composer require 'drupal/paragraphs:^1.17')
- We have paragraph types(About us, product, FAQS) with respective fields.
- Add this paragraph into content type field using entity reference.

Restful Web service:

Enable the Restful web service and Enable the necessary sub-modules like (serilization).

Then we have view(FAQS, about us, products) . In view we use Restful web service module to convert data into JSON format

We can refer the below postman links and output:

FAQS:

http://localhost/drupal/get/faqs

output:

```
[
    {
        "brand1_label": "Mango",
        "brand1_faqs": "[{\"field_question\":\"what is mango?\",\"field_answer\":\
"Mango is a fruit\"},{\"field_question\":\"when mangos are avaialable?\",\"field_a
nswer\":\"In summer.\"}]",
        "brand2_label": "Litchi",
        "brand2_faqs": "[{\"field_question\":\"Is Litichi is available now?\",\"fi
eld_answer\":\"Yes\"},{\"field_question\":\"litchi\",\"field_answer\":\"gfgf\"}]"
    }
]
```

About Us:

http://localhost/drupal/get/about-us

Output:

```
[
    {
        "company_section_name": "About Our Company",
        "about_company_data":"[{\"field_description\":\"We\&#039;re solving busine
ss problems with innovative digital solutions. Get your competitive advantage toda
y!\",\"field_image\":\"\\/drupal\\/sites\\/default\\/files\\/2024-
02\\/jewe.jpg\",\"field_section_title\":\"About Our Technologies\"},{\"field_descr
iption\":\"gfdjhgkjljhgfgdfhgjhbn nvcxgdyfgjhbn,m.\",\"field_image\":\"\",\"field_
section_title\":\"test\"},{\"field_description\":\"he is the best ceo\",\"field_im
```

age\":\"\",\"field_section_title\":\"CEO:John\"},{\"field_description\":\"stdfkj.k
lhgfudyrsterdytfghkbn\",\"field_image\":\"\",\"field_section_title\":\"Chairman :
Alia\"}]",
        "leadership": "About Our Leadership",
        "about_leadership_data":"[{\"field_description\":\"We\'re solving bus
iness problems with innovative digital solutions. Get your competitive advantage t
oday!\",\"field_image\":\"\\/drupal\\/sites\\/default\\/files\\/2024-
02\\/jewe.jpg\",\"field_section_title\":\"About Our Technologies\"},{\"field_descr
iption\":\"gfdjhgkjljhgfgdfhgjhbn nvcxgdyfgjhbn,m.\",\"field_image\":\"\",\"field_
section_title\":\"test\"},{\"field_description\":\"he is the best ceo\",\"field_im
age\":\"\",\"field_section_title\":\"CEO:John\"},{\"field_description\":\"stdfkj.k
lhgfudyrsterdytfghkbn\",\"field_image\":\"\",\"field_section_title\":\"Chairman :
Alia\"}]"
    }
]

Products:

http://localhost/drupal/get/products

Output:

[
    {
        "season_description": "spl edition",
        "data": "[{\"field_about_product\":\"Mango Product\",\"field_features\":\"
very sweet\",\"field_product_code\":\"12345\",\"field_product_name\":\"Mango\",\"f
ield_product_type\":\"General\",\"field_special_tag\":\"\"},{\"field_about_product
\":\"yfdfjkl\",\"field_features\":\"dtfgkuhlkjl\",\"field_product_code\":\"12356\"
,\"field_product_name\":\"Litchi\",\"field_product_type\":\"General\",\"field_spec
ial_tag\":\"\"},{\"field_about_product\":\"very very sweet so beautiful, so elegha
nt, just looking like a woow\",\"field_features\":\"sweet\",\"field_product_code\"
:\"100002\",\"field_product_name\":\"spl mango\",\"field_product_type\":\"Special
Edition\",\"field_special_tag\":\"#summerSpecialWOW\"}]"
    }
]

You can refer the below pages also:

http://localhost/drupal/faqs

http://localhost/drupal/about-us

http://localhost/drupal/products

Required Information:

Content Type: About Us , FAQS, Sessional products

Paragraph Types: FAQS, Product, About us

Views: FAQS

Routing: /get/faqs

View: about-us

Routing:/get/about-us

View : products

Routing:/get/products

Instructions or Procedures:

 NA

Technical Specifications:

Troubleshooting and FAQs (Frequently Asked Questions):

NA

Glossary:

NA

References:

NA

Appendices:

NA

Version History:

NA

Acknowledgments:

NA