

Recruitment Task:

Introduction

As a candidate for the Mid QA Manual API Tester role, your task is to test a new version of a web API for managing promotional offers. This system is used internally to manage promotional campaigns available across various domains (e.g., nike.com, adidas.com).

The current version of the API (v1) provides basic offer CRUD operations and remains available for reference purposes. We encourage you to explore how the v1 API works before beginning the tests on the new v2 API.

A full description of the v1 API is included at the end of this task.

Your Task

The developer has implemented the following JIRA ticket. Your task is to test the changes introduced in the new v2 version of the API.

The base URL for the API is: <https://func-qatest-weu.azurewebsites.net>

JIRA Ticket: [PROMO-342] Extend Offer Model

Business Context

The product team has introduced a requirement to enhance the offer data model in order to better support content moderation and categorization of promotional campaigns. This enhancement will improve data quality and allow business users to segment offers more efficiently based on verification status and thematic categories.

Scope of Work

The new API version (v2) introduces the following changes:

- Extended offer model with the following new fields:
 - isVerified (bool): indicates whether the offer has been confirmed by a moderator.
 - verifiedAt (DateTimeOffset?): auto-populated with the current UTC timestamp when isVerified is set to true ; cleared (null) when isVerified is set to false .
 - category (string): classifies the offer, e.g., "Sport" , "Fashion" , etc.
- API enhancements:
 - New offers can be created with isVerified and category provided in the payload.
 - Existing offers can be updated to change isVerified and category .
 - GET /api/v2/GetDeals/<domain> supports new query parameters:
 - isVerified=true|false
 - category=<value>
 - Combined queries such as ?isVerified=true&category=Sport
- These changes are delivered in a new v2 API namespace. The v1 endpoints remain unchanged and available for backward compatibility.

Acceptance Criteria

- Creating a new offer with isVerified=true and category="Sport" stores the values correctly.
- When isVerified=true is set (during creation or update), the verifiedAt field is automatically filled with the current UTC timestamp.
- When isVerified=false is set, the verifiedAt field is cleared (set to null).
- Updating an existing offer allows changing isVerified, verifiedAt (automatically), and category as expected.
- The GET /api/v2/GetDeals/<domain> endpoint returns correct filtered results when using:
 - only isVerified
 - only category
 - both isVerified and category together
- All basic CRUD operations (POST , GET , PUT , DELETE) work as expected in v2 , with support for the new fields.
- The existing v1 API remains unchanged and functional.

Api.v1 Documentation

Overview

Api.v1 provides RESTful endpoints for managing deals in version 1 of the API.

Authentication

All endpoints require an API key which should be provided in the request headers as `ApiKey`.

Endpoints

1. Get Deals

Retrieves all deals for a specific domain.

- **URL:** `GET /v1/GetDeals/{domain}`
- **Authorization:** Requires API key in headers

Sample Request:

```
#### Get deals for a domain
GET https://func-qatest-weu.azurewebsites.net/api/v1/GetDeals/example.com
ApiKey: your-api-key
```

Sample Response:

```
{
  "deals": [
    {
      "id": "1b442cb336add37e8375070627efe751",
      "domain": "example.com",
      "code": "HOLIDAY10",
      "title": "$10 Off Orders over $100 at A.U. Store",
      "description": "Take $100 off with coupon code on $100+ orders",
      "expiresAt": null,
      "createdAt": "2023-12-05T16:01:00+00:00",
      "modifiedAt": "2025-03-23T19:09:00+00:00"
    },
    {
      "id": "2bce91d3417e148186b2c576e78c13d2",
      "domain": "example.com",
      "code": "BLU3BEEASUS",
      "title": "Enjoy 2% Off Your Total Purchase",
      "description": "Score 2% off with coupon code",
      "expiresAt": null,
      "createdAt": "2024-03-22T19:32:00+00:00",
      "modifiedAt": "2025-05-08T06:13:00+00:00"
    }
  ],
  "count": 2
}
```

2. Get Deal

Retrieves a specific deal by ID.

- **URL:** `GET /v1/GetDeal/{id}`
- **Authorization:** Requires API key in headers

Sample Request:

```
#### Get a specific deal
GET https://func-qatest-weu.azurewebsites.net/api/v1/GetDeal/97ee51c45597c30a445cdb9b2ae00ade
ApiKey: your-api-key
```

Sample Response:

```
{
  "id": "97ee51c45597c30a445cdb9b2ae00ade",
  "title": "Save 20% on Your Current Purchase",
  "description": "Save 25% off with promo code",
  "domain": "example.com",
  "code": "SAVE20",
  "expiresAt": "2025-12-31T23:59:59Z",
  "createdAt": "2025-05-13T04:07:26.6490606+00:00",
  "modifiedAt": "2025-05-13T04:07:34.3556196+00:00"
}
```

3. Create Deal

Creates a new deal.

- **URL:** POST /v1/CreateDeal
- **Authorization:** Requires API key in headers

Sample Request:

```
#### Create a new deal
POST https://func-qatest-weu.azurewebsites.net/api/v1/CreateDeal
Content-Type: application/json
ApiKey: your-api-key

{
  "title": "Save 20% on Your Current Purchase",
  "description": "Save 25% off with promo code",
  "domain": "example.com",
  "code": "SAVE20",
  "expiresAt": "2025-12-31T23:59:59Z"
}
```

4. Update Deal

Updates an existing deal.

- **URL:** PUT /v1/UpdateDeal/{id}
- **Authorization:** Requires API key in headers

Sample Request:

```
#### Update a deal
PUT https://func-qatest-weu.azurewebsites.net/api/v1/UpdateDeal/97ee51c45597c30a445cdb9b2ae00ade
Content-Type: application/json
ApiKey: your-api-key

{
  "title": "Updated Deal",
  "description": "New Description",
  "expiresAt": "2025-12-31T23:59:59Z"
}
```

5. Delete Deal

Deletes a deal by ID.

- **URL:** DELETE /v1/DeleteDeal/{id}
- **Authorization:** Requires API key in headers

Sample Request:

```
### Delete a deal
DELETE https://func-qatest-weu.azurewebsites.net/api/v1/DeleteDeal/51643f06dc759e28880d994e7eb09d90
ApiKey: your-api-key
```

6. Get Merchants

Retrieves a list of all merchants.

- **URL:** GET /v1/GetMerchants
- **Authorization:** Requires API key in headers

Sample Request:

```
### Get all merchants
GET https://func-qatest-weu.azurewebsites.net/api/v1/GetMerchants
ApiKey: your-api-key
```

Sample Response:

```
{
  "merchants": [
    "example.com",
    "sampleshop.com"
  ],
  "count": 2
}
```