

FRONT END ENGINEER PRE-EMPLOYMENT ASSESSMENT

This assessment is part of our recruitment process for the role of a Front-End Engineer. This particular assessment will test your JavaScript skills.

Expectations

- This challenge should take around 4 hours to complete.
- You can work on it at your own schedule, but a complete solution is expected no later than 5pm Wednesday, January 8.
- Your code should be modular, each module should focus on doing one thing and do it well.
- Over-engineering is allowed.
- Error handling and retry if backend is busy.
- Use of third-party library is prohibited.

****Questions? We love to answer: <products@etranzact.com>**

Frontend Software Engineer Challenge

Requirements

- You will be provided a set of simple news API to work with.
- Your assignment would require you to create a simple web app using the API given to you.
- A simple landing page that would display all the news (Paginated) with a `next` and `back` links
- Clicking on any of the news would display a single news in a separate page with the images and comments. Also add a form to add a new comment to the news. Also ability to edit/delete any comment on the news.
- We'd also like you to display the images on the news view page as a slider (jQuery not allowed)
- A form to Create and update news.

API Endpoints

> BaseUrl for the api: <http://5d2c2f2b8c90070014972225.mockapi.io/api/v2/news>
|Method|Endpoint|Description|

|-----|-----|-----|

|`GET`|`/news`|Get all news|

|`GET`|`/news?page=1&limit=10`|Get paginated news|

|`GET`|`/news/:id`|Get news by id|

|`POST`|`/news`|Add news item|

|`PUT`|`/news/:id`|Update news item|

|`DELETE`|`/news/:id`|Delete news item|

|`GET`|`/news/:id/images`|Get Images for news|

|`POST`|`/news/:id/images`|Add Image to News|

|`DELETE`|`/news/:id/images/:id`|Delete image from news|

|`GET`|`/news/:id/comments`|Get comments on a news|

|`POST`|`/news/:id/comments`|Add Comment to news|

|`PUT`|`/news/:id/comments/:id`|Edit comment on a news|

|`DELETE`|`/news/:id/comments/:id`|Delete comment on news item|

Sample Data from Creating a news news

```json

{

"author": "Mr. Bruce Brad",

"avatar": "https://s3.amazonaws.com/uifaces/faces/twitter/scott\_riley/128.jpg",

"title": "Enterprise-wide eco-maniac core",

"url": "http://tiana.com"

}

...

Sample Data for Creating Comment

```json

{

"newsId": "1",

"name": "Orlo Nietzsche",

"avatar": "https://s3.amazonaws.com/uifaces/faces/twitter/koridhandy/128.jpg",

"comment": "This is a sample comment"

}

...

Sample Data for adding Image

```
``json
{
  "newsId": "1",
  "image": "http://lorempixel.com/640/480/city"
}
```

Notes

- This is a test of your knowledge of frontend javascript, therefore
 - You are not allowed to use any frontend frameworks
 - You are expected to provide your solution in vanilla javascript
 - Do not worry about the security.
 - Handle validation properly for `POST/PUT` requests
- Source code must be stored in a git repository (you can send us a link to a github or bitbucket repo)
 - For public repos:
 - Avoid words like `eTranzact` and `challenge`.
 - This is needed to prevent other candidates from finding your solution.
 - Your repo should be easy to setup with clear instruction.
 - (Optional) Deploy as a public site to your own host.
 - (Optional) PWA
 - (Optional) Mobile Responsive

Expectation

- This challenge should take around 4 hours to complete.
- You can work on it at your own schedule, but a complete solution is expected within 5 business days.
- Your code should be modular, each module should focus on doing one thing and do it well.
- Please over-engineering is allowed.
- Error handling and retry if backend is busy.
- Use of third-party library is prohibited.

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