

# Senior Frontend Developer (Reactjs) Task

## Introduction:

Hello,

Thanks for applying to JoomShaper for the position of "Senior Frontend Developer (Reactjs)". We have shortlisted you as one of the few candidates with whom we will be moving forward with the selection process. Thus, we would like you to complete the following task:

## Task Brief:

Please create a basic drag and drop media gallery with ReactJS & React-DND library. **Please check the (task.zip) file or figma link attached with the email** (If you open the UI design you will see an editor with some list of images and a canvas).

In the left sidebar you have to show a list of images which is droppable to the canvas area. You update or delete an image from canvas and also change the css filter option for each image. Users have the ability to move the image in canvas (as like sorting).

## Basic Requirements:

- "Create the UI" as shown in the provided design (we do not expect 100% accuracy).
- Use the "JSONP API" for fetching the images or use our own.
- "Create Drag and Drop functionality" that allows drag the image from the left sidebar to the canvas drop area.
- "Allow sorting or move functionality" at the canvas area.
- Each image must show a settings toolbar on hover.
- "Create a popover or modal" as like the UI for individual image settings (it will close and save on outside click).
- Users can:
  - delete the image and replace or change the image.
  - change the image css filter option from the settings.
- Please save all canvas data (dropped images, filter css data) into localStorage so that when the user reloads the page it will resume the page at the same state.

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## What you should use:

- ReactJS (Latest version).
- Redux.
- Redux-thunk.
- React-dnd (We prefer).

## Notes:

- You must do a minimum 3 meaningful automation test cases for components.
- Try to use flex-box for layout.
- Use react coding best practice.
- Please avoid any third-party library without our provided list.

You can also use, Image Rest API- (If not work then please use your own source)  
<https://www.breakingbadapi.com/api/characters?limit=20>.

## Time Frame:

Please complete the task within seven (7) days with the mentioned functionalities.

## N.B.:

This task is strictly for evaluation purposes, we will not be putting it to any commercial or personal use.

We will send you our evaluation results within seven (7) days after the deadline. If you are selected, you will be asked for an online interview via google meet. We hope you will enjoy the task, stay safe; and best of luck from JoomShaper.