

# New technical task

## Task Description

As a user using the Event Building Inc. web application, I would like to perform specific tasks in my event such as hiring staff, decorations, catering, etc.

You are tasked with creating a sample screen from the Event Building Inc. web application that allows the user to select the task they want. All tasks are categorized under different categories like (Staff, Food, Catering ..etc). As such, the user selects a category and should be able to see all the items under this category. Each item in the category may be included in multiple categories, and other items will only be included in one category.

The tech stack that should be used for each platform is as following:

React JS, Typescript, Redux, Framer Motion

For styles you cannot use component libraries like Bootstrap or

Material UI, you can use CSS / Styled Components / TailwindCSS

## Requirements

- Each category should have a title and an image.
- Each item in a category should have a title, minBudget, maxBudget, avgBudget, and an image.
- The app should list all categories and fetch them from GET

<https://swensonhe-dev-challenge.s3.us-west-2.amazonaws.com/categories.json>

- When a user clicks on a specific group, the app should fetch the item for that category using <https://swensonhe-dev-challenge.s3.us-west-2.amazonaws.com/categories/{categoryId}.json>
- The website should show the category title and image along with each item's title, image, minBudget, maxBudget, and whether it has been added to the user's items or not.
- Users should not be able to add the same item twice from the same category or different categories.
- On the categories list, display a label to show the average cost of all added items. The average should be calculated using the summation of avgBudget for each item.
- If the user has added any item, display a button to mark that item is added.

## Evaluation Criteria

The task will be evaluated based on the following criteria:

- Functionality: Does the website meet the requirements specified
- above?

UI/UX: Is the website visually appealing and easy to use?

You must include some animations, like in transitions and when adding items and removing items ( show us your creative side ;) )

- Code Quality: Is the code well-structured and easy to read and maintain?
- Performance: Does the website perform well, even when retrieving a large amount of
- data?

Security: Are best practices followed for handling sensitive data

#### Bonus Points

- Implement unit tests and UI tests to validate the website's
- functionality.

Use caching to improve performance and reduce network calls.

#### Additional Notes

- You are free to use any third-party libraries or frameworks as long as they meet the requirements specified above.

#### Submissions:

Please ensure that you create the challenge on a private repository using GitHub and invite the user "swensonhe-evaluation". Once completed, kindly confirm through email and provide the repository link.

Additionally, please provide a Loom video showcasing the working project and explaining how you approached the solution.

#### Design:

[Figma link](#)

Please follow the provided design and make it responsive to fit all screen sizes.