

### **Todo Application with API Integration**

Build a Todo application using React js that allows users to add, edit, and delete tasks. The application should have the following functionalities:

- Display a list of existing tasks, showing the task name and its status (completed or not). Initialize this list with the todos fetched from an API.
- Use the following API endpoint to retrieve the todos:  
<https://jsonplaceholder.typicode.com/users/1/todos>.
- Each todo object from the API response will have the following properties:
- id (number): The unique identifier for the todo.
- title (string): The title of the todo.
- completed (boolean): Indicates whether the todo has been completed or not.
- Use this initial data to populate the list of tasks in your application.
- Provide an input field to add new tasks. When a task is added, it should appear in the list. Perform the following validations before adding a task:
- The task name should not be empty.
- Allow users to mark a task as completed by clicking on it. Completed tasks should be visually distinguishable (ex: By any different color).
- Allow users to edit the task name by clicking on an edit button/icon next to each task. When a task is edited, update the task name in the list.
- Provide a delete button/icon to allow users to remove a task from the list.
- Implement a filter or tab functionality to toggle between displaying all tasks and completed tasks.

Please create the necessary components and implement the logic to achieve the above functionalities. You can use any additional libraries or CSS frameworks if needed. Remember to fetch the initial todos from the API endpoint mentioned above and use them to populate the list of tasks in your application. Let me know if you have any further questions!