Assignment

Thank you for your interest in joining our development team. As part of our recruiting process we ask candidates to complete a small programming assignment. It is intended to provide enough scope to allow you to demonstrate your knowledge of browser programming and good programming practices. Provide the solution code as a github repository or a zip file. Add a short description of how to execute and test it.

Imagine you're working with a product manager and s/he wants to build a list of ordered tasks as the new feature of the product you're working on. Your colleague will implement details of the Task component. Your job is to implement a working prototype of a task list that will be loaded/saved on the server. Feel free to use available open source libraries and components where applicable. At Crowdflower we're using React with Redux. The icons used in the mockup are from Font Awesome (http://fontawesome.io/get-started). The font is Lato (https://fonts.google.com/specimen/Lato).

We created a small server application that you can connect to. It has two endpoints for fetching and saving your tasks. Provided endpoints will fail randomly to help you and us test the unhappy paths.

Save tasks

```
POST http://cfassignment.herokuapp.com/<your name>/tasks
```

expects data in body in following format:
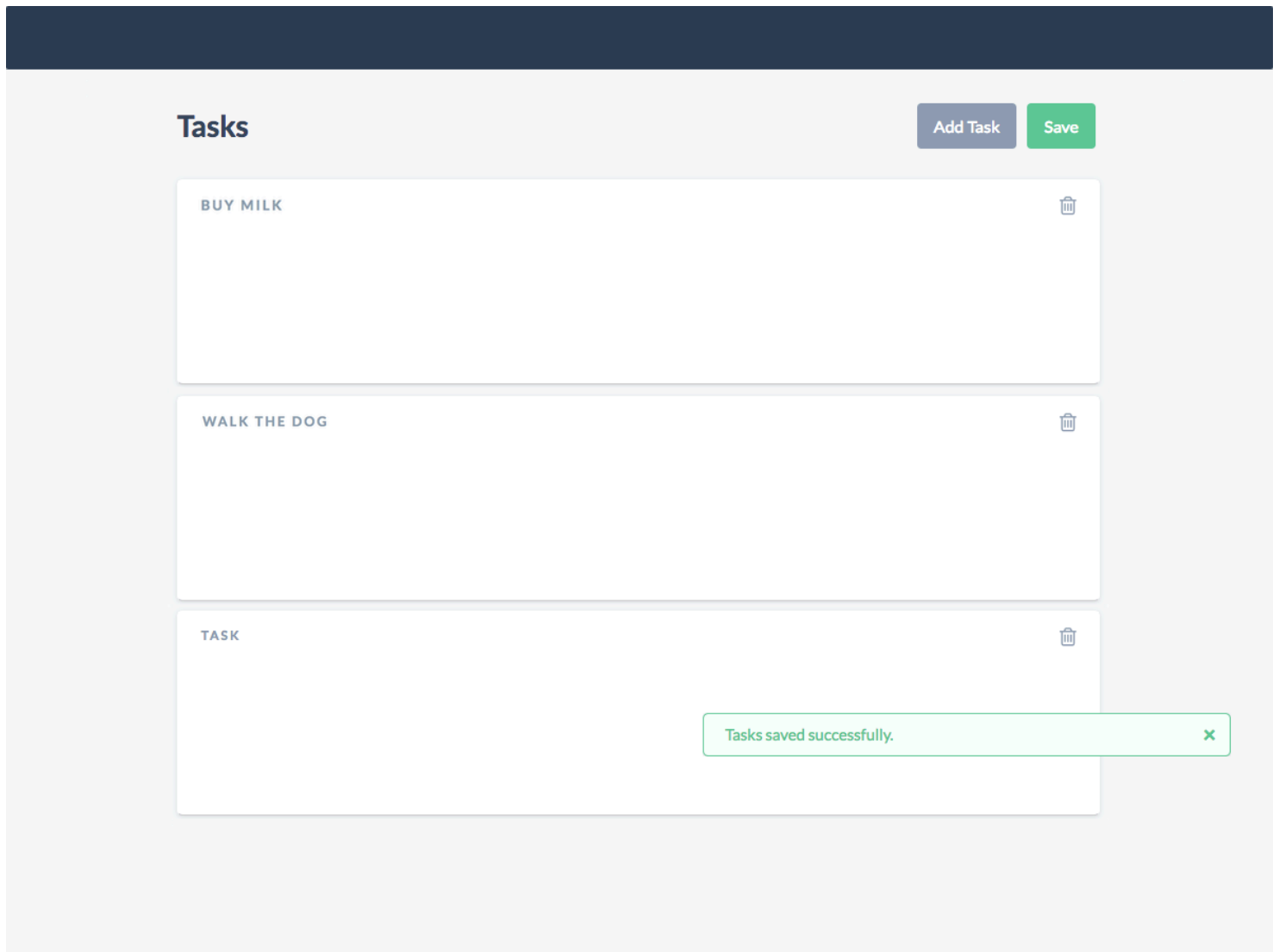
```
{
    tasks: Object
}
```

Load tasks

```
GET http://cfassignment.herokuapp.com/<your name>/tasks
```

will respond with:

```
{
    tasks: Object
}
```

UI and interactions

- Render ordered list of tasks. Load the list when the app starts.
- "New task" button will create a new task and place it on top of the list
- "Save" button
    - Is disabled by default
    - Is set enabled when current state of the list doesn't match it's initial state (task has been added, deleted, or updated)
    - On click will send a POST request to the server with current state of the list. Show success/failure alert after successful/failed request

- "trash" button deletes the task from the list
- Alert message
    - "x" button will remove the alert

- Task title should be editable and set in focus when a new task is added

What we're looking for

- clean, well-structured code
- attention to detail in styling
- tests where appropriate