# Contact Manager App: Part 4

## Submission

* Delete the node\_modules folder in your project.
* Zip your project to a zip file called contact\_manager\_part4\_{your\_name}.zip.
* Submit the zip file to Talentlabs Classroom.
* After the submission you can execute `npm install` to restore your node\_modules folder.

## Task - Implement the Search Bar for your Contact Manager App

In this task, we are going to improve the contact manager app by adding a search bar. This is a very common feature for web applications.

There are basically 2 steps:

1. Setup the UI for users to input the search terms, and capture it in code
2. Build the logic to handle the search terms changes.

Of course, you are welcome to implement any additional features that you want, or customise the UI design to show your aesthetic taste and style.

**Submission Notes:**

There are 2 code packages that you need to submit, one for the JSON-SERVER and one for the Contact Manager App itself.

Please put both under the same folder and upload them as one zip file.

**Requirements and Grading Criteria:**

| **Criteria** | **Points (out of 100)** |
| --- | --- |
| All the previous features are working (create, edit, delete and displaying individual contact) | 10 |
| A search UI without any error messages when interacting with it | 20 |
| Working search functionality | 20 |
| Using higher order function (.filter) to filter contact for search behaviour | 20 |
| Using modern JS features like spread operator, async/await properly | 15 |
| Coding Style | 15 |