

Assignment 2

Create a candidate management system in react where HR will enter a new candidate's details. HR will also be able to view existing candidates' list. A sketch of the form for adding a new candidate is given below:

Add New Candidate

Existing Applications


Add New Candidate

Candidate Name

Applied for

Frontend Developer▼

Profile Picuture



Skills

React

remove

Tailwind

remove

Add More Skill

Submit

1. **Applied for** field is a dropdown. The options in this dropdown could be frontend developer, backend developer, data scientist, etc.
2. Clicking **Add More Skill** will create a new text box where the HR can enter another skill. HR can enter as many skills as they want by clicking **Add More Skill**.
3. Clicking **remove** button will remove the corresponding skill.
4. When the form is submitted, validate the form, i.e., no field should be left empty. If validation fails, display appropriate messages to indicate that the empty field should be filled.
5. Upload the candidate photo using the rest api provided by a third party image storage service and retrieve the image url (to be used when the candidate is displayed in existing applications page). You can use [imgbb](#) or any other service. Use fetch api to upload the image to a third party service.
6. Maintain the state for the form locally, i.e., inside the component.

7. Store all candidates' details, including profile image url in a redux store using redux toolkit library.
8. On the top there is a navigation header which has two options.
 1. Clicking **`Add New Candidate`** will open the form for adding a new candidate. The url for this page should be /add-new-candidate
 2. Clicking **`Existing Applications`** will open the page which displays existing candidates' list. The url for this page should be /existing-applications.

The sketch for existing applications page is given below:

Add New Candidate

Existing Applications

Search Candidates...


Name: Muhammad Ali

Applied for: Frontend-Developer

Skills:

1. React
2. Tailwind

Candidate Photo




Name: Tariq

Applied for: Backend Developer

Skills:

1. Nodejs
2. MongoDB

Candidate Photo



1. HR can filter candidates using a search box. When some text is entered in the search box, filter and display only those candidates where text matches with either name, applied for field, or skills.
2. When the search box is empty, display all candidates.

The given designs are just rough sketches. You can add as much style as you want using raw CSS or Tailwind to make the GUI more appealing.