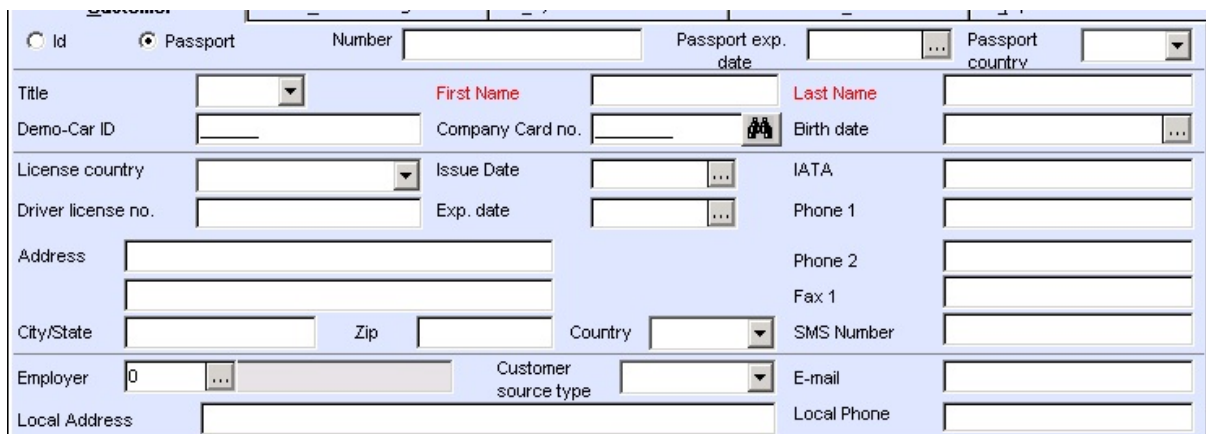


Introduction to React Forms

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The image shows a screenshot of a web form with a light blue background. It contains various input fields, dropdown menus, and buttons. The form is organized into several sections: a top section with radio buttons for 'Id' and 'Passport', followed by fields for 'Number', 'Passport exp. date', and 'Passport country'. Below this are fields for 'Title', 'First Name', 'Last Name', 'Demo-Car ID', 'Company Card no.', and 'Birth date'. Further down are 'License country', 'Issue Date', 'IATA', 'Driver license no.', 'Exp. date', 'Phone 1', 'Address', 'Phone 2', 'City/State', 'Zip', 'Country', 'Fax 1', 'SMS Number', 'Employer', 'Customer source type', 'E-mail', 'Local Address', and 'Local Phone'.

The `form` component

```
<form action={search}>
  <input name="query" />
  <button type="submit">Search</button>
</form>
```

- `action`: a URL or function. The form will behave like the HTML form component when a URL is passed to the action.
- When a function is passed to `action` the function will handle the form submission. The function passed to `action` may be async and will be called with a single argument containing the form data of the submitted form.
- `onsubmit` is an event attribute, meaning whatever JS is in it will be called on the `submit` event.

The `input` component

```
<input name="myInput" />
```

Commonly used input props:

- `defaultChecked` : A boolean. Specifies the initial value for the checkbox or radio
- `defaultValue` : A string. Specifies the initial value for a text input.
- `value` : The current value of the input.
- `disabled` : A boolean, specifies
- `onChange`: A callback function triggered when the input value changes.
- `placeholder`: A short hint that describes the expected value of the input.
- `type`: Specifies the type of input (e.g., `text` , `password` , `email` , `number` , etc.).
- `name`: The name of the input, used when submitting a form.
- `readOnly`: Makes the input read-only (can't be edited, but can still be focused).
- `min` and `max`: Specifies the minimum and maximum values for numeric inputs (`type="number"` , `type="date"` , etc.).
- `pattern`: Specifies a regular expression that the input's value must match.
- `maxLength` and `minLength` specifies the maximum or minimum number of characters allowed in the input.
- `onBlur`: A callback function triggered when the input loses focus.
- `onFocus`: A callback function triggered when the input gains focus.
- `aria-*` : Accessibility-related attributes for screen readers.

Common Input Types

- `text`
- `password`
- `email`
- `number`
- `submit`
- `select`
- `date`
- `time`
- `range`
- `color`

- `reset`
- `checkbox`
- `textarea`
- `radio`

Assignments

- Create a Form having all of the common input types mentioned above.
- Use the following events on the input types:
 - `onBlur`
 - `onFocus`
 - `onChange`