Credit Card App

The aim is to make a simple SPA in React which will demonstrate your familiarity with its fundamental concepts.

Functional Requirements:

A user can navigate to the following routes:

`/cards`

- This is the landing page for our app which displays all of the user's stored cards, and a link to add a new card.
- Each displayed card links to `/cards/:id/edit` page where the user can edit and save the card details.
- If no cards have been stored in the localStorage, the user sees only the link which leads to `/cards/add` where he will be able to add a card.

`/cards/add`

- Contains a graphic representation of the card and a form for adding / editing card details.
- As the user enters the data into the fields, the input is instantly validated (in case of the card number and expiration date fields) and displayed on the card.
- The card type is determined from the card number the user enters, e.g., if the number starts with 4xxx xxxx xxxx the card type will be Visa.
- Clicking on an element on the card will focus the appropriate form field, e.g., clicking on the expiration date will focus the "Expires on" field.
- "Save" button is disabled until all the fields are correctly populated. Once enabled, clicking on it will save the card details in the localStorage and redirect the user back to the landing page.

`/cards/:id/edit`

- Contains a graphic representation of the selected card and a form for editing card details. The card and the form are shown prepopulated with the correct data loaded from the localStorage.
- All of the requirements listed under `/cards/add` apply.

Tips:

We would like to see the following:

Code reuse, use of lifecycle methods / hooks, basic validation, state vs props use, some React Router familiarity... Redux or MobX implementations are nice, but are not necessary for this app; if you would like to manage state, React Context API would be perfectly fine.