

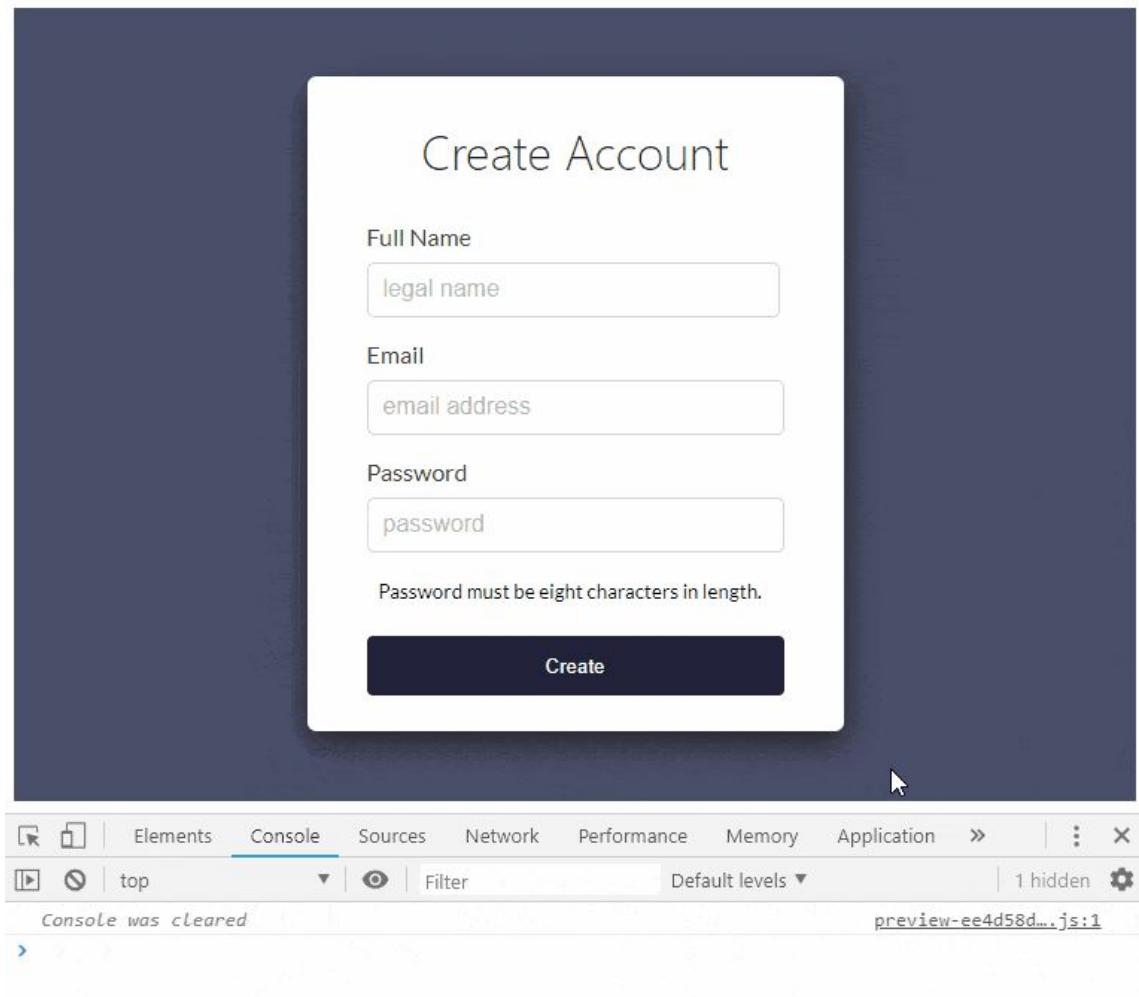
# ITPRJS

## Practice Problems: Week 4

*ANNOUNCEMENT: From now on, you must use Functional components and Hooks throughout all your solutions. Don't use Class components anymore. Also, students are encouraged to use Styled Components to apply basic stylings to all their works.*

1. For designing React components, why you might need something like “Styled Components” regardless of having traditional CSS support?
2. Create a form having the following fields
  - First name
  - Last name
  - Email
  - Password
  - Confirm Password

There are some validity requirements that are listed below. Your task is to show the validity messages in **real-time** as the user keeps typing in his keyboard. As an example, look at the below GIF:



Notice how the messages appear/change as the user keeps typing. You have to do the same thing.

The validity requirements are listed below:

- All fields are required
- Both names should be at least 3 characters long
- The email should be valid (lookup on how to validate emails using Javascript regular expressions (regex), don't try to understand the regex for now)
- Password should be at least 8 characters long and should contain at least one number (0-9)

- Passwords should match with Confirm field

3. (Feedback only) In ITP JS PP 8, you created a website by following this video on YouTube: <https://www.youtube.com/watch?v=p0bGHP-PXD4>. Now using React you will recreate the same thing. While doing this, you should emphasize the following things and take actions accordingly:

- How you would dissect the web layout into different React components and sub-components? Based on your decision write your code
- Effectively using Styled-Components
- Organizing your project structure
- Writing re-usable components to avoid code duplication
- Keeping each of your component file clutter-free and clean so that others can easily understand what's going on.

**Based on your above decisions, your evaluation instructor will provide feedback on what could be improved. You will not be graded for this.**

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