

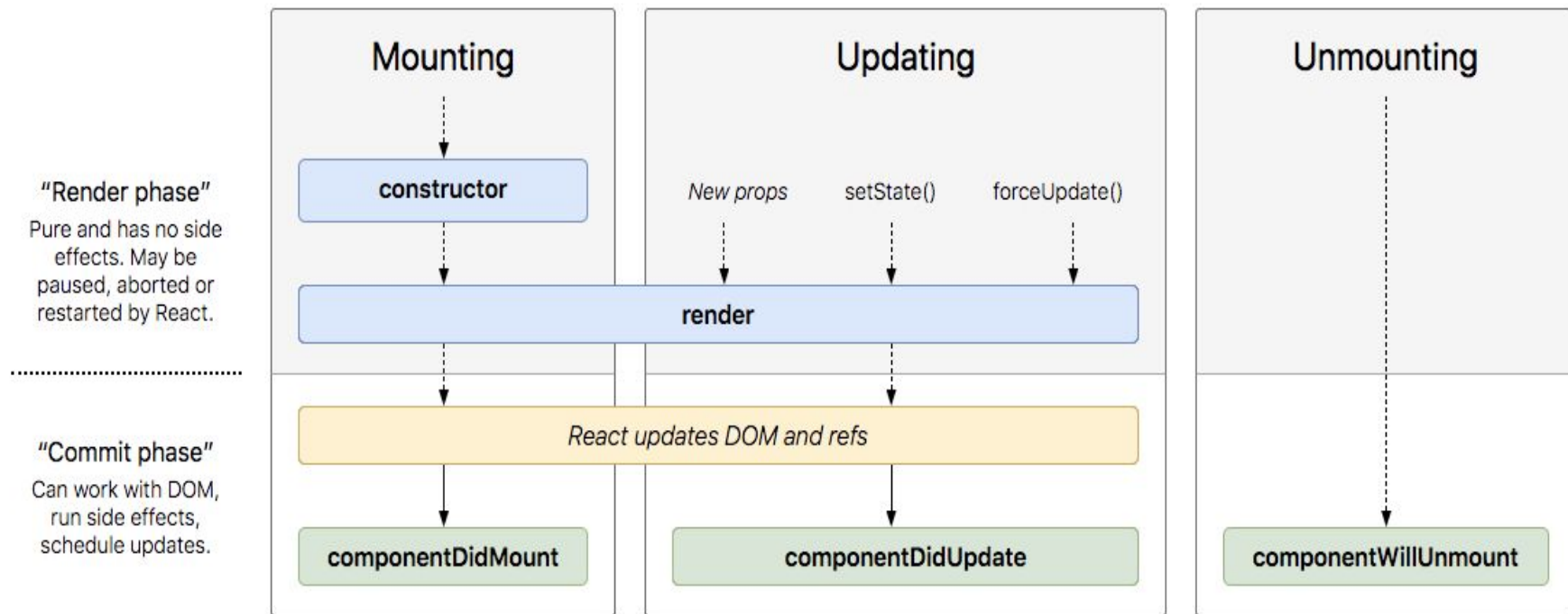
React Review

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Important Concepts

- React is made up of Components.
- A Component is a Class and essentially creates a new HTML tag for you to use
- Components have 3 functions we care about: render, setState and constructor
- Arguments passed to Components and are known as props
- Important information can be stored locally in the state (this.setState!)

Lifecycle



Components

Components are the cornerstone of React. You need to implement their render method to display anything.

[Demo](#)

State

The state is any information or data that is stored locally. Since Components are (mostly) classes, we can think of any relevant data as an attribute on that class.

In order to use the store, you must first set it in the constructor.

In order to update the store, you **MUST** use the `setState` API.

[Demo](#)

Prop(erties)

Properties, also known as props, are arguments that are passed into components from their parents. They look like attributes that appear on HTML tags (think class, style, etc. tags). In the component that is receiving the argument, it is passed via an object on the class that is known as props.

[Demo](#)

In Class Lab: Dice Rolling Program

In groups of up to 4, create a dice rolling program that also maintains a list of the roll history? Users should be able to roll a number between 1-6 inclusive and another button to clear their history

- How can you separate the different pieces for reusability. You can probably have different components for the overarching app, the buttons and the history.
- What pieces of information should be stored in the state? What will your props look like?

Be prepared to present to the class for 3 bonus points