**180Crypto Software Design Document**

**Background**

This software project is a web based implementation of the mobile application, coinbase. CoinBase is a web application that allows the user to receive personalized news and alerts about the cryptocurrencies that they care about the most. Access real-time cryptocurrency exchange rates information.

**Project Summary:**

Web application called “180 Crypto” that allows users to view any public cryptocurrencies. Added features include being able to create an account, save their favorites, as well as receive news on the latest updates.

**Project Components**

**News**

React component that renders the list of news for each individual cryptocurrency.

**DisplayList**

React component that renders the list of cryptocurrencies.

**ListButton**

Button that rerenders list based on ascending or descending.

**Crypto Currency**

React component that contains and displays information for each individual cryptocurrency. Each of these cryptocurrency objects are created individually for each cryptocurrency. It contains some of the other components above.

**Modals(multiple classes)**

Various classes that are used for accessing our user database. This helps us store usernames, passwords, and favorite cryptocurrencies for each user. These classes also help us do user login and change password.

**SignIn, PasswordChange, SignUp**

These components are used to display User sign in, password change, and sign up.

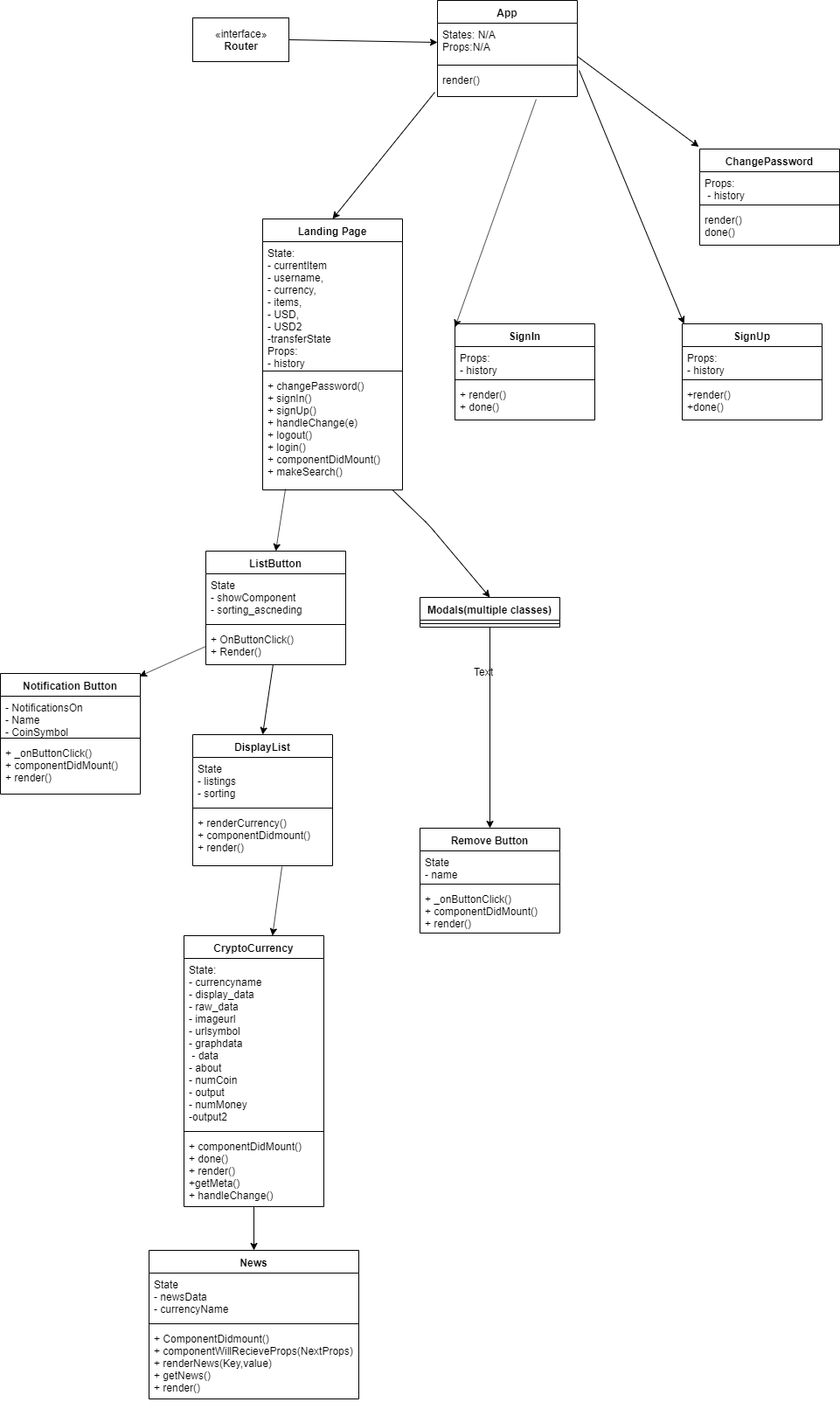
**NotificationButton**

This component is used for “favoriting” cryptocurrencies.

**Remove Button**

This component is used for removing “favorite” cryptocurrencies.

**UML**

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