

Changes in the code to connect metamask

Install Ethers

In order to prompt metamask, I've been installed and used the ethers lib:

```
npm install ethers
```

Create hook

I've created a useMetamask hook to connect metamask using ethers:

```
import { BrowserProvider } from "ethers";
import { useState } from "react";

function useMetamask() {
  const [connectedMetamask, setConnectedMetamask] = useState(false);
  const [addressMetamask, setAddressMetamask] = useState("");

  const connectMetamask = async () => {
    if(!window.ethereum) {
      alert("Please install MetaMask!");
      return;
    }

    const provider = new BrowserProvider(window.ethereum);
    const signer = await provider.getSigner();
    setConnectedMetamask(true);
    setAddressMetamask(signer.address);
  };

  const disconnectMetamask = () => {
    setConnectedMetamask(false);
    setAddressMetamask("");
  };

  return { connectedMetamask, addressMetamask, connectMetamask,
    disconnectMetamask };
}

export default useMetamask;
```

and then, i have added it to the hooks module:

```
export { default as useOffcanvas } from "./use-offcanvas";
export { default as useSticky } from "./use-sticky";
export { default as useFlyoutSearch } from "./use-flyout-search";
```

```
export { default as useScrollToTop } from "./use-scroll-to-top";
export { default as useRefresh } from "./use-refresh";
export { default as useContract } from "./use-contract";
export { default as useAxios } from "./use-axios";
export { default as useMetamask } from "./use-metamask"; // add useMetamask
hook
```

Use hook

I have imported the useMetamask hook in "src/layouts/header/index.jsx":

```
import {
  useOffcanvas,
  useMetamask
  // useSticky,
  // useFlyoutSearch
} from "@hooks";
```

Then I use it to get the hook properties and create an effect to check whether metamask is connected. If so the user info is requested as walletConnect do:

```
const { connectedMetamask, addressMetamask, connectMetamask,
disconnectMetamask } = useMetamask();
useEffect(() => {
  (async () => {
    if (addressMetamask.length > 0) {
      const userInfo = await getUserInfo(addressMetamask);
      if (userInfo) dispatch(setUserInfo(userInfo));
    }
  })();
}, [addressMetamask, dispatch]);
```

Add a new button

I have added a new button to connect metamask and added some extra styles to align buttons. Only appears if no wallet has been connected yet.

```
{ (!connectedWallet && !connectedMetamask) && (
  <div style={{ width: "100%", display: "flex" }}>
    <div className="setting-option header-btn">
      <div className="icon-box">
        <Button
          color="primary-alta"
          className="connectBtn"
          size="small"
          // onClick={
          //   handleClickConnectWalletButton
```

```

        // }
        onClick={async () => {
            connect();
            await checkKeplr();
        }}
    >
        Wallet connect
    </Button>
</div>
</div>
<div className="setting-option header-btn">
    <div className="icon-box">
        <Button
            color="primary-alta"
            className="connectBtn"
            size="small"
            onClick={async () => {
                connectMetamask();
            }}
        >
            Metamask connect
        </Button>
    </div>
</div>
</div>
)}

```

I've added a new div to show UserDropdown component from metamask

```

{ (connectedMetamask) && (
    <div className="setting-option header-btn rn-icon-list user-account">
        <UserDropdown walletName="Metamask" address={addressMetamask}
            disconnect={disconnectMetamask} />
    </div>
)}

```

Add properties to userDropdown component

I have added three properties to the UserDropdown component so the wallet nam, the address and the disconnect function are passed from index.jsx:

```
const UserDropdown = ({ walletName, address, disconnect }) => { ....
```

And the use that properties values:

```

<div className="rn-inner-top">
    <h4 className="title">

```

```
        {walletName}
        {/* <Anchor path="/product">Christopher William</Anchor> */}
    </h4>
    {/* <span>
        <Anchor path="/product">Set Display Name</Anchor>
    </span> */}
</div>

<li>
    <Anchor path={` /profile/${address}`}>
        My Profile
    </Anchor>
</li>

<li>
    <button type="button" onClick={disconnect}>
        Disconnect
    </button>
</li>
```