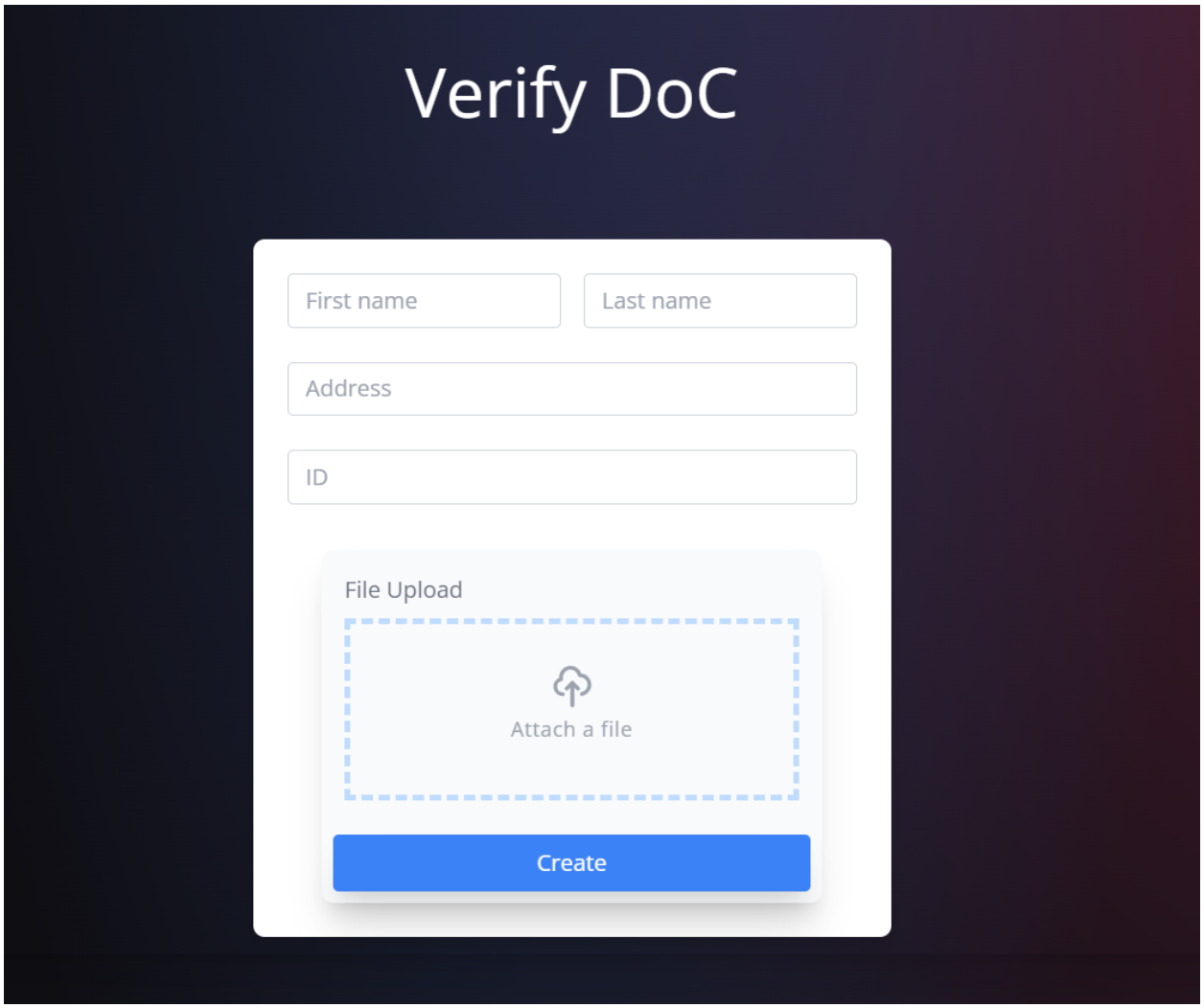
CryptoWall

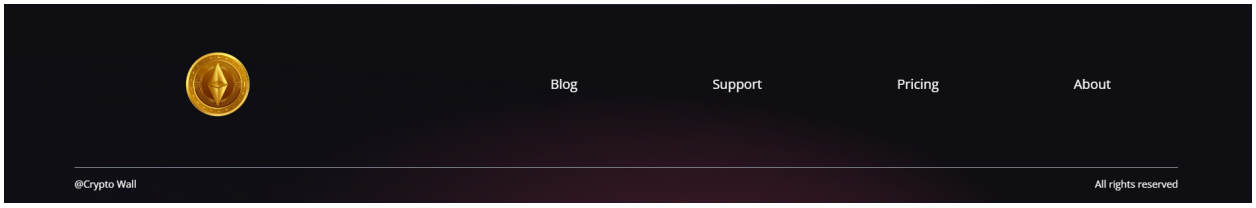
DocsV.jsx:

We build a user box here. Where a user can fill all the information and upload a doc file. And later we will verify the information if that's the correct information. We will use blockchain here to verify if the documents are correct or not.



Footer.jsx:

Here we make a beautiful footer with tailwind CSS. It has 4 sections.



Index.js:

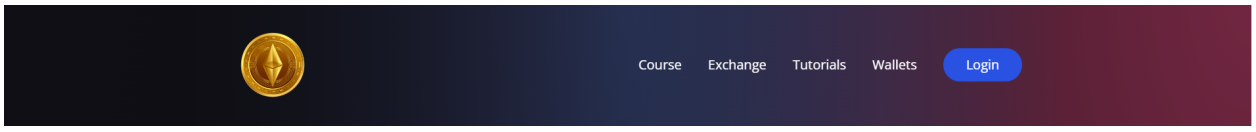
Here we export all the components that we build.

Loader.jsx:

We build an animation of transaction over here.

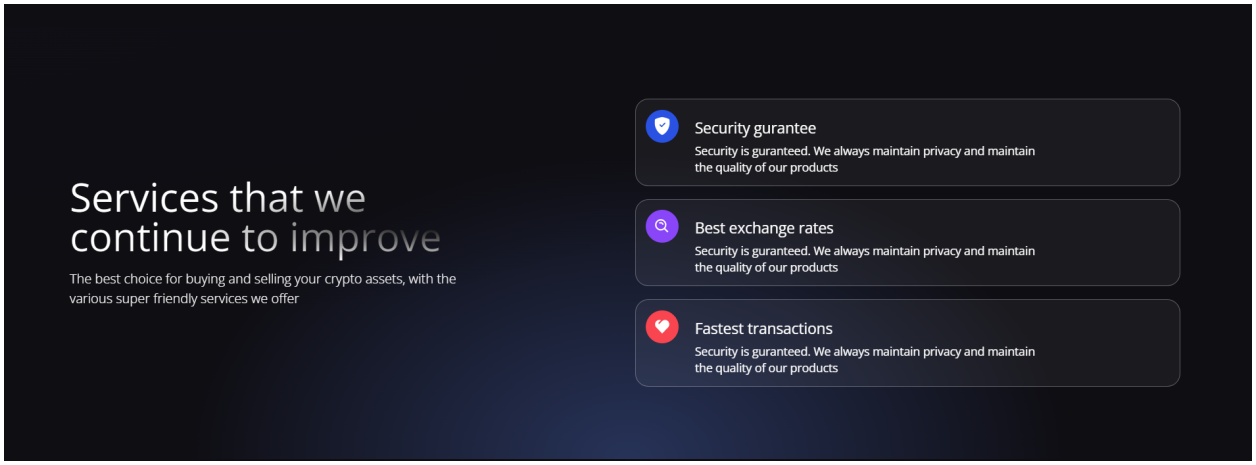
Navbar.jsx:

We build here a beautiful navbar with tailwind. We use and transparent logo, and it has some section that later on we can work more on these things.



Services.jsx:

Here we talk about services of our website.It has some cool features, hope you might also like this.And it has also made by tailwind.

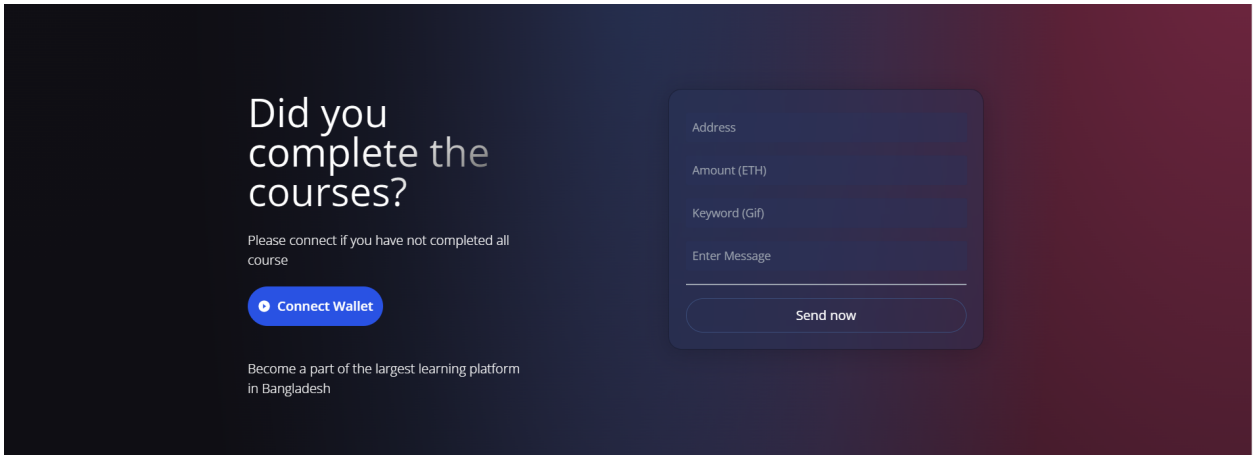


Time.jsx:

We talked about if a user doesn't visit within 6 months, then his/her skills certificate will expire.This is just a warning for students so that they become more serious on this.

Welcome.jsx:

Here we implement the staking. After connected with Metamask the connect option will be hidden and the user can send anyone some Ethereum from the Transaction box. If the user completed his/her course then he/she can withdraw the amount.I think this is a great features which will help many students to become serious.He can also put message and keyword for his better understanding.



TransactionContext.jsx:

Here we made the real transaction happen between blockchain and a user. `getAllTransactions()` function get the all transactions done. `checkIfWalletIsConnect()` function checks if the wallet is connected or not. `connectWallet()` function checks if the wallet is connected.

Solidity:

Transactions.sol:

We made a transactions solidity programm here. Which will take the transaction in blockchain. **Structs** in Solidity allows to create more complicated data types that have multiple properties. `addToBlockchain()` function adds the transaction to the blockchain. `withdraw()` function will help us to withdraw money from an account. `getAllTransactions()` function will give us all the transactions that we have made.

DataTrack.sol:

We made a struct types array and a `documentCreation()` function which will helps us to create a document with necessary information.

ValidateData.sol:

We make a `isOwner()` function to check if caller is owner. There is also have a `validateFile()` function to check if the file is actually validate. And there is also `getOwner()` and `getFileName()` function which will give us the information about owner and file name.

Deploy.js:

Finally We have deploy.js which will deploy our created contracts in blockchain network. So that we can interact with the blockchain technologies.