Technical Assignment

Setup local environment

To setup the local environment which you will need to complete your task it will be enough to run:

npm install

And

node app.js

Your task:

Your task is to create a login page and a protected page using React.js.
To do so, you will connect your web application to the simple backend server which you will have running after the local environment setup.

Ideally, you will first create a login page where the user inserts his username and password and then he will have to insert the TOTP code generated by the auth server.

The auth server works in the following way:
- POST http://localhost:3000/authenticate This is the endpoint you will call to login using username and password, the body will be a JSON with username: steeltrace and password: password
- This will return a Bearer token which you will need to generate the secret for the 2FA.
- GET http://localhost:3000/generate-secret This is the endpoint that generate the secret which will be "stored" into the user model.To call this endpoint you need to set the Authorization in the request Headers as a Bearer token.
- This will return the secret which you will use in the next endpoint to get the TOTP that will be used to validate the user.
- POST http://localhost:3000/generate-otp Send to this endpoint a JSON body with secret: RECEIVED_SECRET to receive the otp number to be used for validating the user.
- POST http://localhost:3000/verify-totp By sending a JSON body with otp: RECEIVED_OTP you will receive the authorised token which you can then use to call the following and last endpoint
- POST http://localhost:3000/protected

Questions can be send to our blockchain & back-end developer Nicola Gheza via nicola@steeltrace.eu