APP.js

var express = require('express');

var path = require('path');

var favicon = require('serve-favicon');

var logger = require('morgan');

var bodyParser = require('body-parser');

var index = require('./routes/index');

var app = express();

// view engine setup

app.set('views', path.join(\_\_dirname, 'views'));

app.set('view engine', 'ejs');

// uncomment after placing your favicon in /public

//app.use(favicon(path.join(\_\_dirname, 'public', 'favicon.ico')));

app.use(logger('dev'));

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: false }))

app.use(express.static(path.join(\_\_dirname, 'public')));

app.use('/', index);

// catch 404 and forward to error handler

app.use(function(req, res, next) {

var err = new Error('Not Found');

err.status = 404;

next(err);

});

// error handler

app.use(function(err, req, res, next) {

// set locals, only providing error in development

res.locals.message = err.message;

res.locals.error = req.app.get('env') === 'development' ? err : {};

// render the error page

res.status(err.status || 500);

res.render('error');

});

module.exports = app;

index.js

var express = require('express');

var router = express.Router();

var crypto = require('crypto');

var QRCode = require('qrcode');

/\* GET home page. \*/

router.get('/', function (req, res, next) {

res.render('index', {

title: 'Express'

});

});

//tell express what to do when the /about route is requested

router.post('/form', function (req, res) {

text = req.body.text;

var val = hash(text);

var qr = qrcod(val);

console.log(qr)

res.render('qr', {

text: val,

url: qr

});

});

function sha(data) {

var generator = crypto.createHash('sha256');

generator.update(data)

return generator.digest('hex')

}

hash = (text) => {

return sha(text);

};

var value;

qrcod = (val) => {

QRCode.toDataURL(val, function (err, url) {

value = url;

})

// console.log(value)

return value;

};

module.exports = router;

Index.ejs

<!DOCTYPE html>

<html>

<head>

<title><%= title %></title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-beta.3/css/bootstrap.min.css" />

<link rel='stylesheet' href='/stylesheets/style.css' />

</head>

<body>

<section class="text-center">

<h2>WELCOME !!</h2>

<h4>Enter the product Id to generate qr code</h4>

<form action="/form" method="POST">

<div class="form-group">

<label for="exampleInputEmail1">Enter Product Id</label>

<input type="text" class="form-control" id="exampleInputEmail1" name="text" aria-describedby="emailHelp" placeholder="Enter Products Id">

</div>

<button type="submit" class="btn btn-primary">Submit</button>

</form>

</section>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-beta.3/js/bootstrap.min.js"></script>

</body>

</html>

Qr.ejs

<!DOCTYPE html>

<html>

<head>

<title>sample</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-beta.3/css/bootstrap.min.css" />

<link rel='stylesheet' href='/stylesheets/style.css' />

</head>

<body>

<section class="text-center">

<h2>WELCOME !!</h2>

<h4>QR CODE IS :</h4>

<h4>The product Id is :</h4> <b><%= text %></b><br>

<img src="<%= url %>" alt="" srcset="">

</section>

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-beta.3/js/bootstrap.min.js"></script>

</body>

</html>