

**Micro Projet**

**Réalisation d'un site web pour l’achat de la musique avec Spring Boot , Maven ,ReactJs ,Material-UI et MySQL .**

**Hmimssa Soufiane**

**2020/2021**

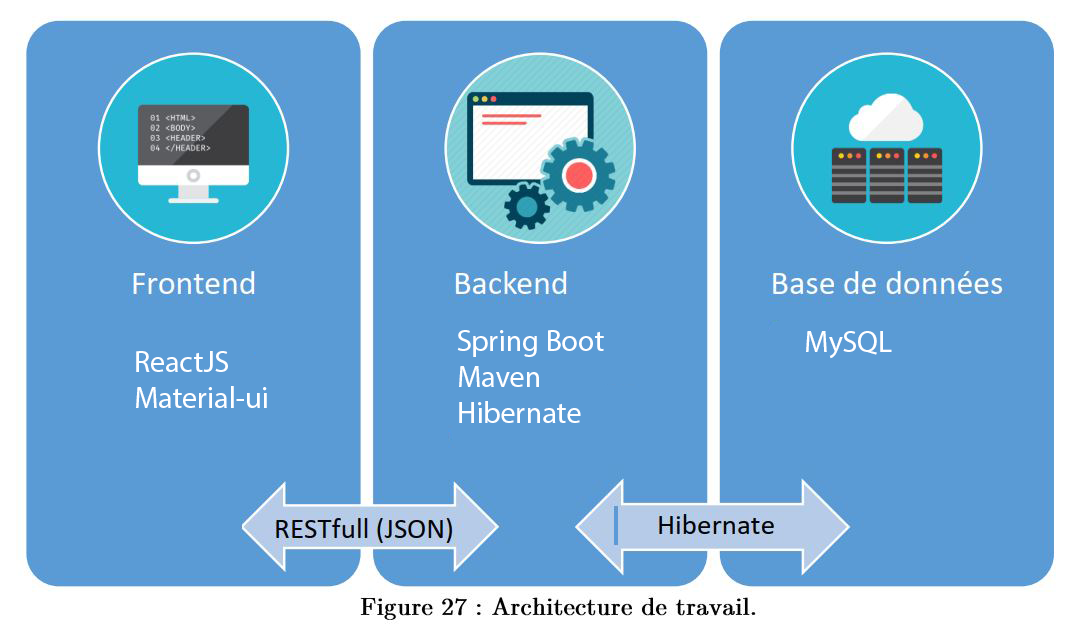
**Objectif**

Réalisation d'un site web pour l’achat de la musique  l'architecture utilise tout au long du developpement est divise en trois parties.

## L'architecture utilisé

## L'architecture utilisée est l’architecture microservices qui divise une application comme un ensemble de petits services. Chaque service fonctionne moyennant son propre processus qui communique avec des mécanismes légers. Les services sont développés autour des compétences métiers qui sont déployés d’une façon indépendante par un processus automatisé. Ces services sont isolés et autonomes mais ils communiquent entre eux pour fournir les fonctionnalités nécessaires.

Cette architecture présente plusieurs avantages comme l’hétérogénéité technologique, la résistance contre l’échec, la scalabilité sur mesure, la facilité de déploiement, l’alignement organisationnel, la réutilisabilité, etc.

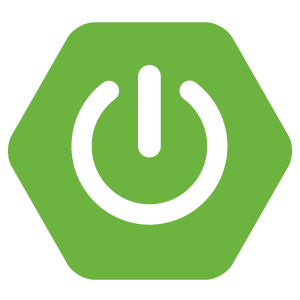


## Les outils de développement et les technologies  utilisés

Afin de réaliser cette application dynamique, je me suis servi des outils et  
langages suivants :

|  |  |
| --- | --- |
| ⮚ Material UI : C:\Users\LENOVO 510\Desktop\logo.png | ⮚ Spring Boot :  C:\Users\LENOVO 510\Desktop\unnamed.png |
| ⮚ ReactJS :  C:\Users\LENOVO 510\Desktop\react.png | ⮚ **MySql :**  C:\Users\LENOVO 510\Desktop\EST ESSAOUIRA\0_vxsZyZXf_IEC0YmE.png |
| ⮚ Hibernate :  C:\Users\LENOVO 510\Desktop\1uNl_IZX.png | ⮚ **Maven:**  C:\Users\LENOVO 510\Desktop\EST ESSAOUIRA\1_qxGkT_JGyTjnoIkWE5sfwg.png |
| ⮚ GitHub  C:\Users\LENOVO 510\Desktop\1200px-Octicons-mark-github.svg.png | ⮚Xampp  C:\Users\LENOVO 510\Desktop\download.png |
| ⮚ Eclipse  C:\Users\LENOVO 510\Desktop\eclipse.png | **⮚ Visual Studio Code**  C:\Users\LENOVO 510\Desktop\1200px-Visual_Studio_Code_1.35_icon.svg.png |

## Description des technologies  et Outils de développement



**Spring** est un framework qui facilite le développement d'applications fondées sur **Spring** en offrant des outils permettant d'obtenir une application packagée en jar .



**MySQL** est un système libre de gestion de base de données relationnelle (SGBDR) utilisant le langage SQL (Structured Query Language), soit le langage le plus populaire en matière d´ajout, d´accès et de traitement des données dans une base de données. Il est principalement reconnu pour sa rapidité, sa fiabilité et sa flexibilité



**React** est une bibliothèque JavaScript libre développée par Facebook depuis 2013. Le but principal de cette bibliothèque est de faciliter la création d'application web monopage, via la création de composants dépendant d'un état et générant une page HTML à chaque changement d'état



**Hibernate** est un framework open source gérant la persistance des objets en base de données relationnelle



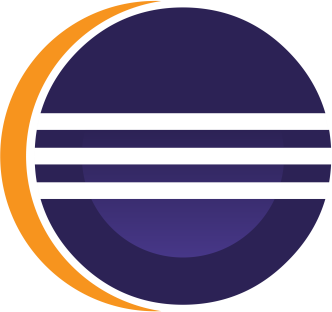
**Material-UI** C'est un ensemble des components UI qui contient des codes HTML et CSS, des formulaires, boutons, outils de navigation et autres éléments interactifs, ainsi que des extensions JavaScript en option.



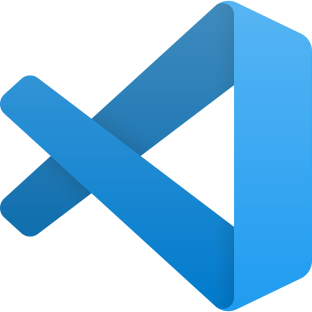
**Apache Maven** est un outil de gestion et d'automatisation de production des projets logiciels Java en général et Java EE en particulier. Il est utilisé pour automatiser l'intégration continue lors d'un développement de logiciel. Maven est géré par l'organisation Apache Software Foundation.



**XAMPP** est un ensemble de logiciels permettant de mettre en place un serveur Web local, un serveur FTP et un serveur de messagerie électronique. Il s'agit d'une distribution de logiciels libres offrant une bonne souplesse d'utilisation, réputée pour son installation simple et rapide.



**Eclipse** est un projet, décliné et organisé en un ensemble de sous-projets de développements logiciels, de la fondation Eclipse visant à développer un environnement de production de logiciels libre qui soit extensible, universel et polyvalent, en s'appuyant principalement sur Java.



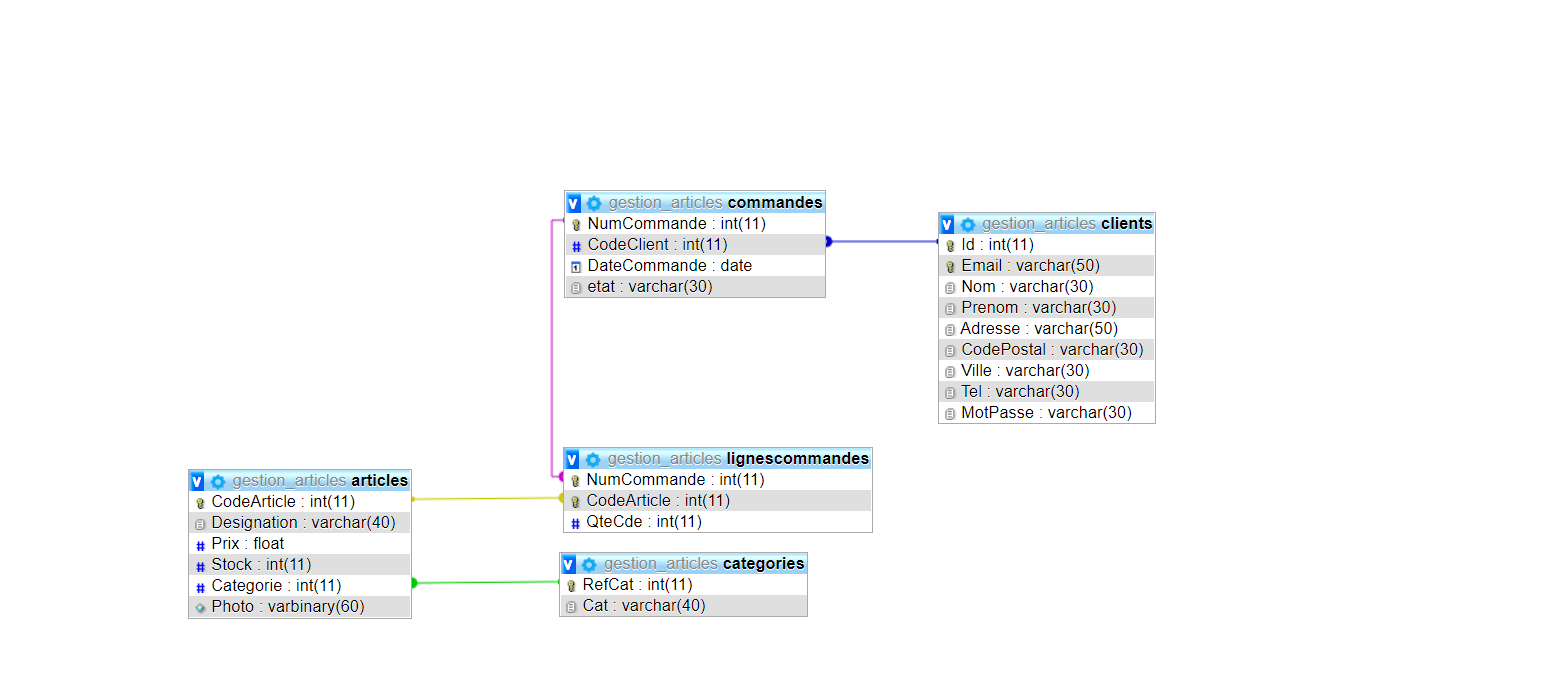
**Visual Studio Code** est un éditeur de code extensible développé par Microsoft pour Windows, Linux et macOS.



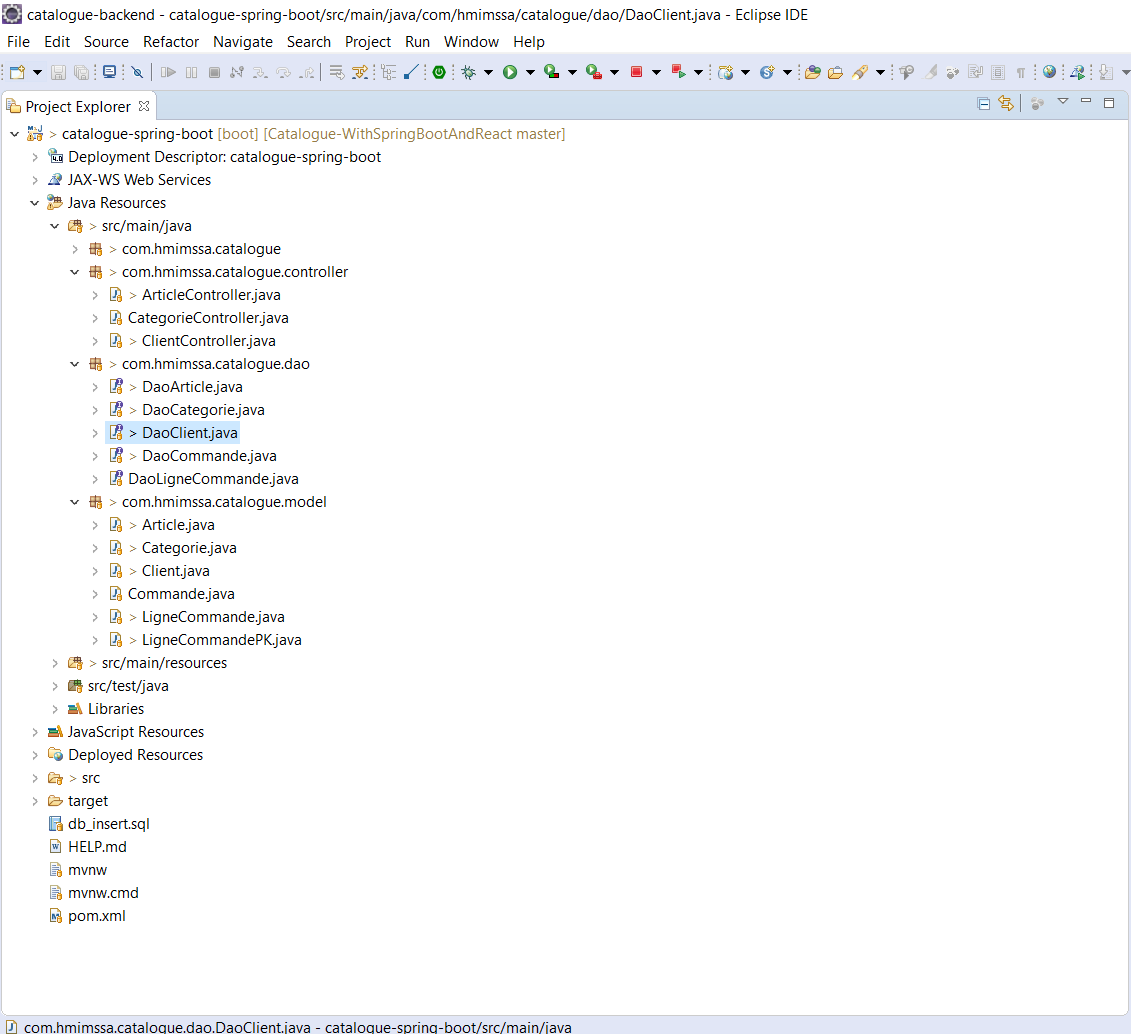
**GitHub** exploité sous le nom de GitHub, Inc. est un service web d'hébergement et de gestion de développement de logiciels, utilisant le logiciel de gestion de versions [Git](https://fr.wikipedia.org/wiki/Git). Ce site est développé en Ruby on Rails et Erlang par Chris Wanstrath.

## Notre base de données

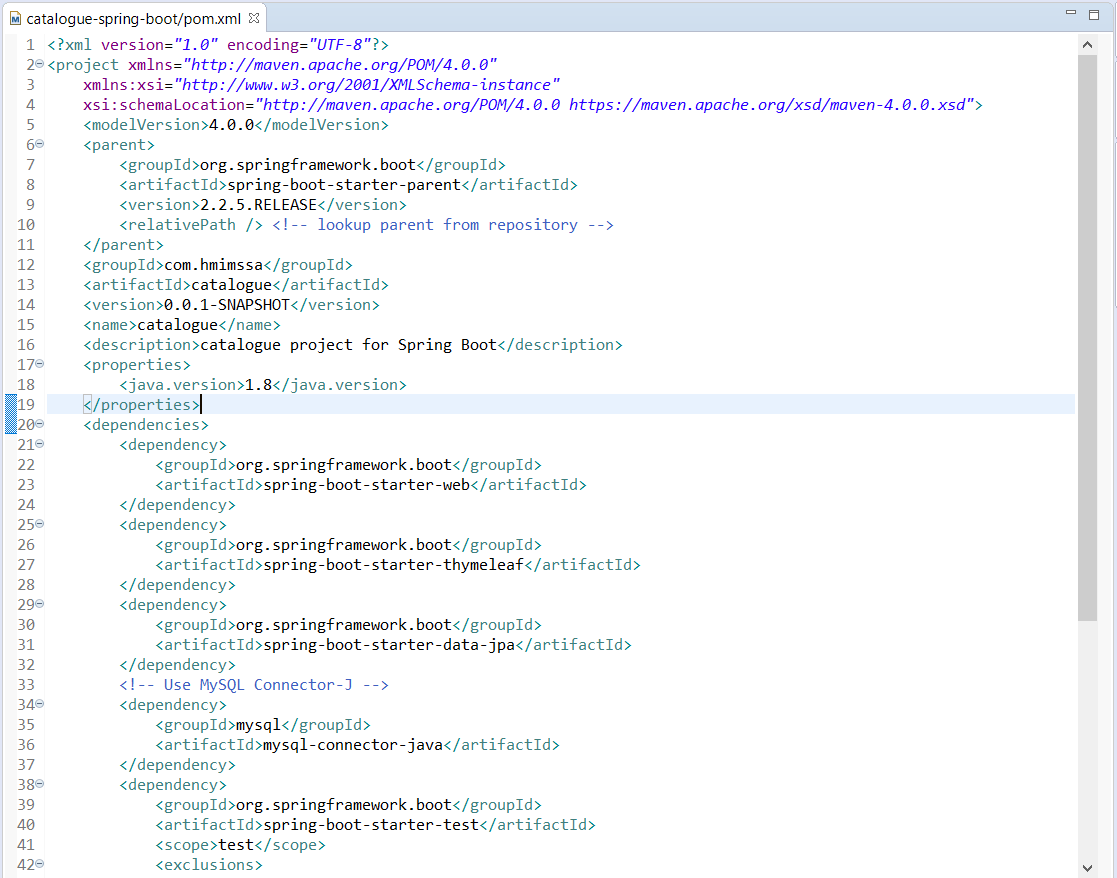
Cette base de donne a été générer par **Hibernate**



**Structure de Projet Back-end**

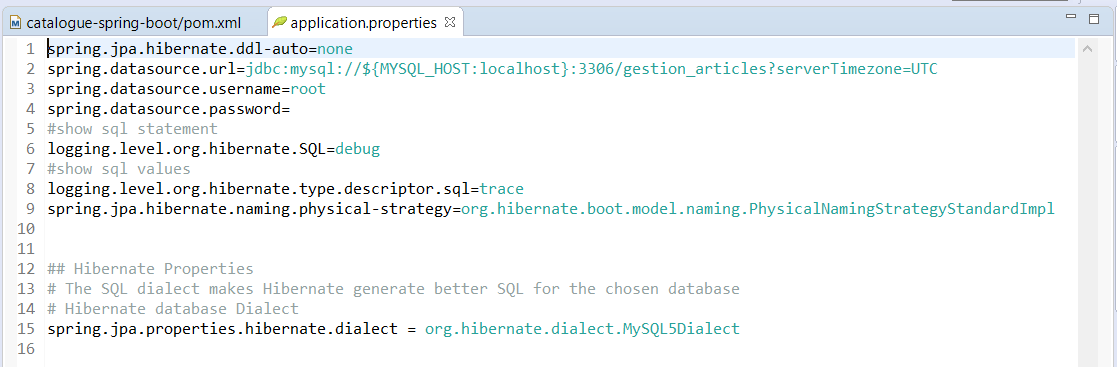


**Configuration du fichier POM.XML**

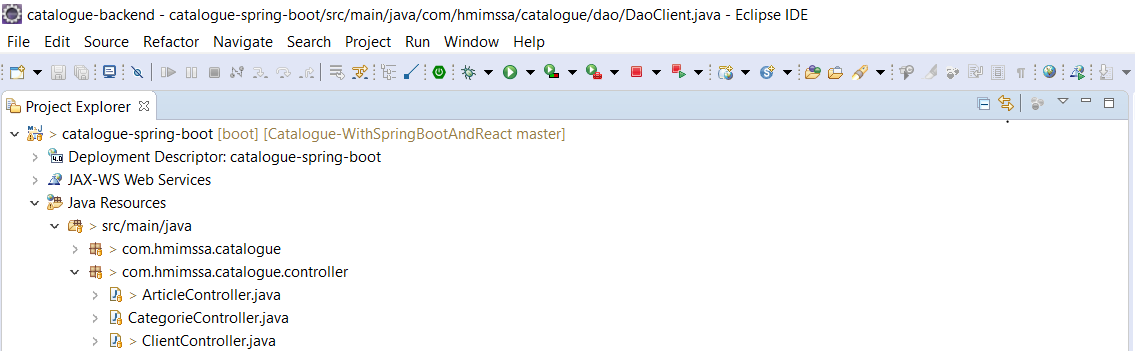




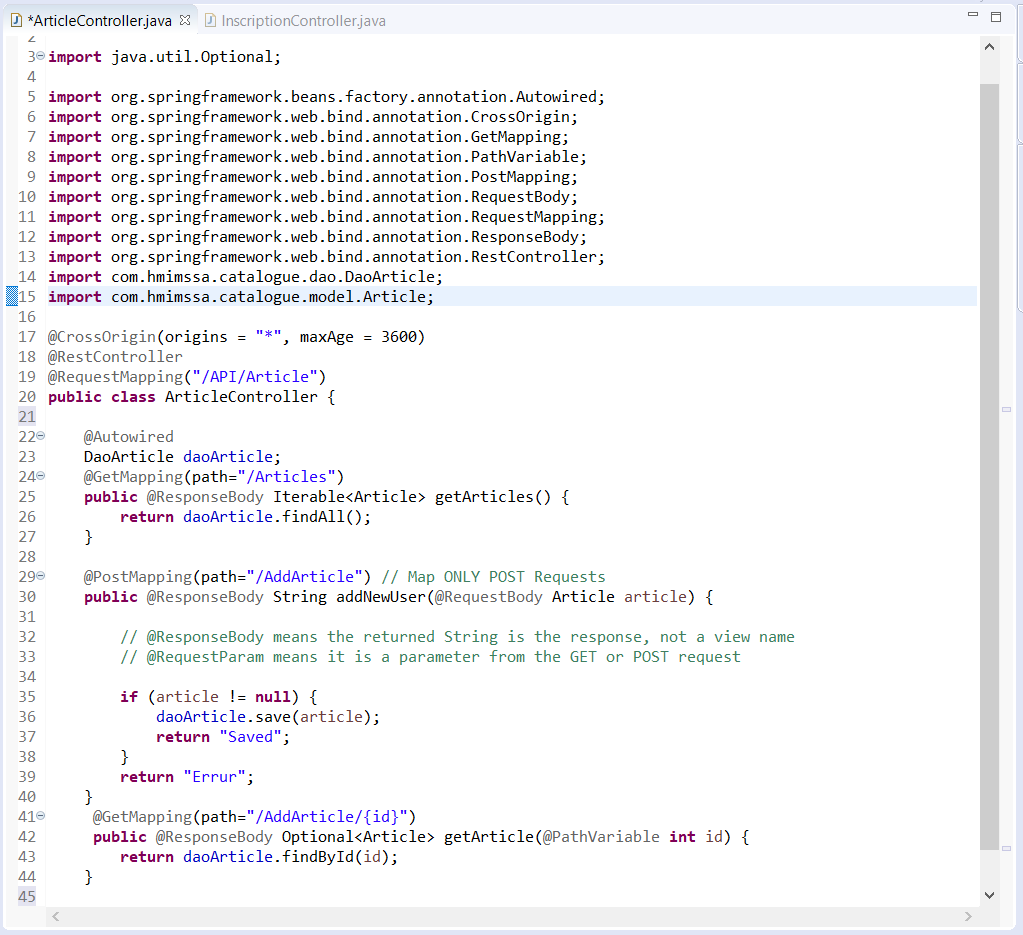
**Configuration du fichier properties**



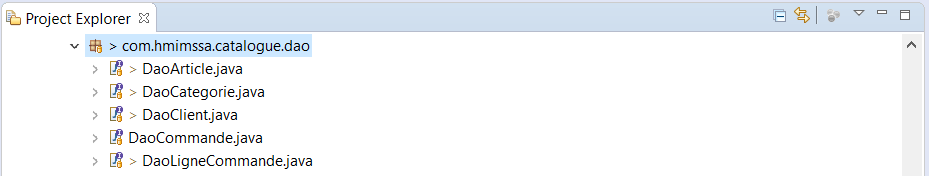
**Couche Controller**



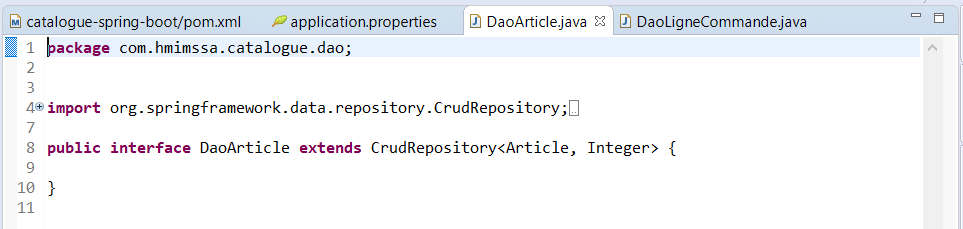
**Exemple contrôleur d'Article :**



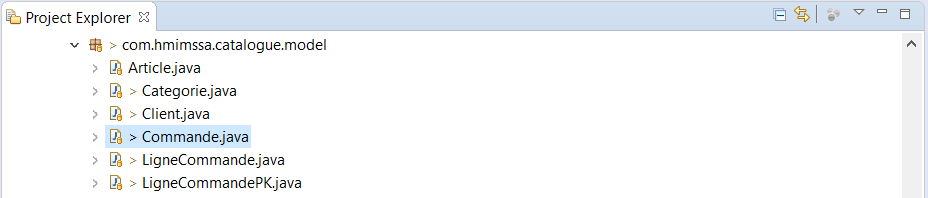
**Couche Dao**



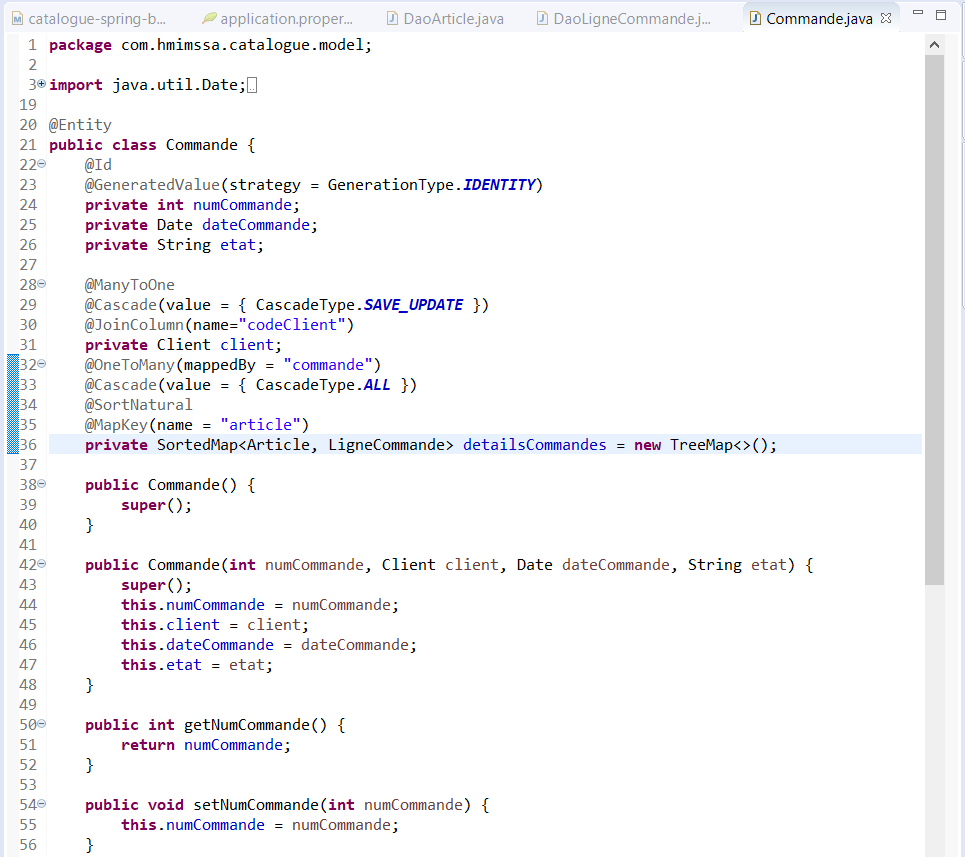
**Exemple :**

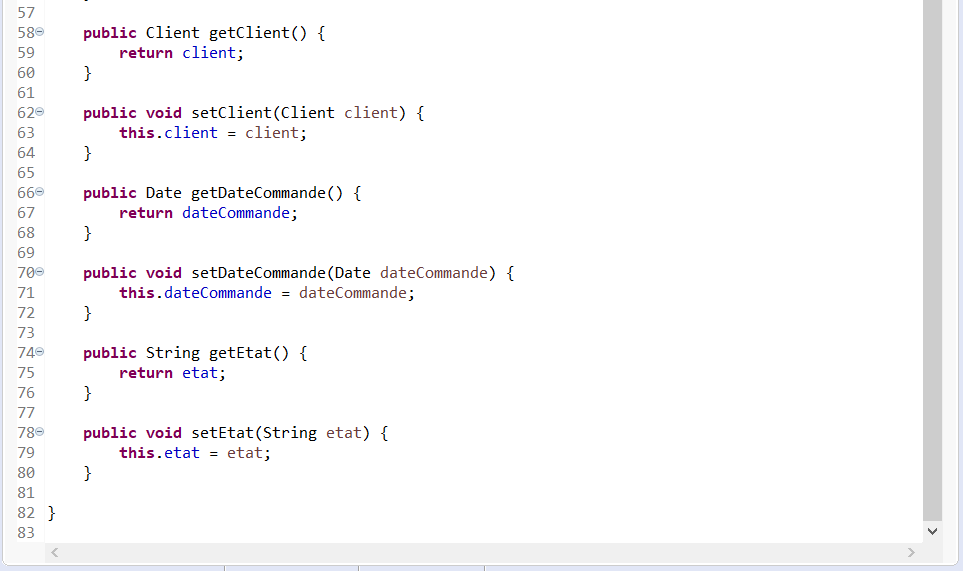


**Couche Métier**

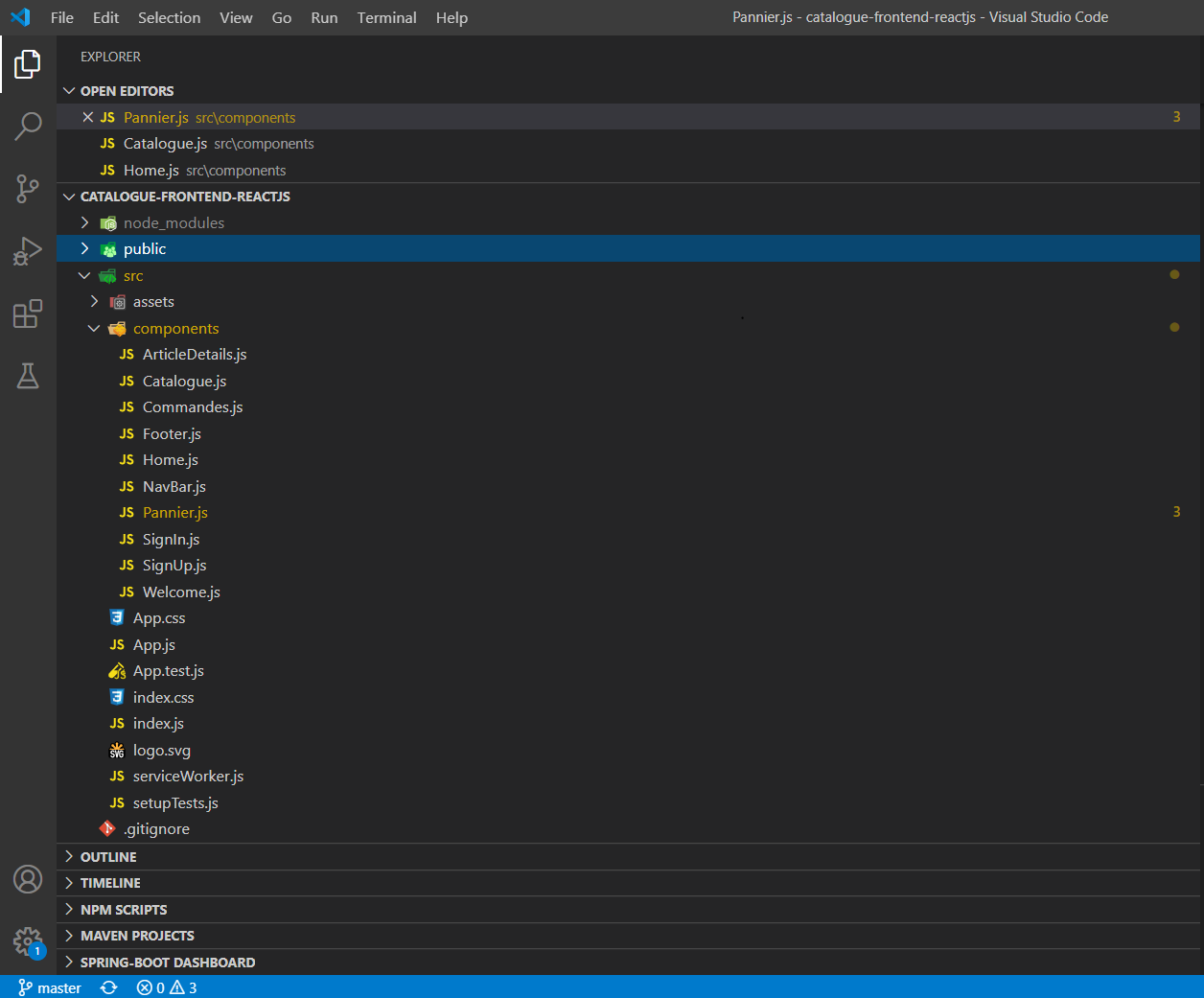


**Exemple de class commande de couche metier**



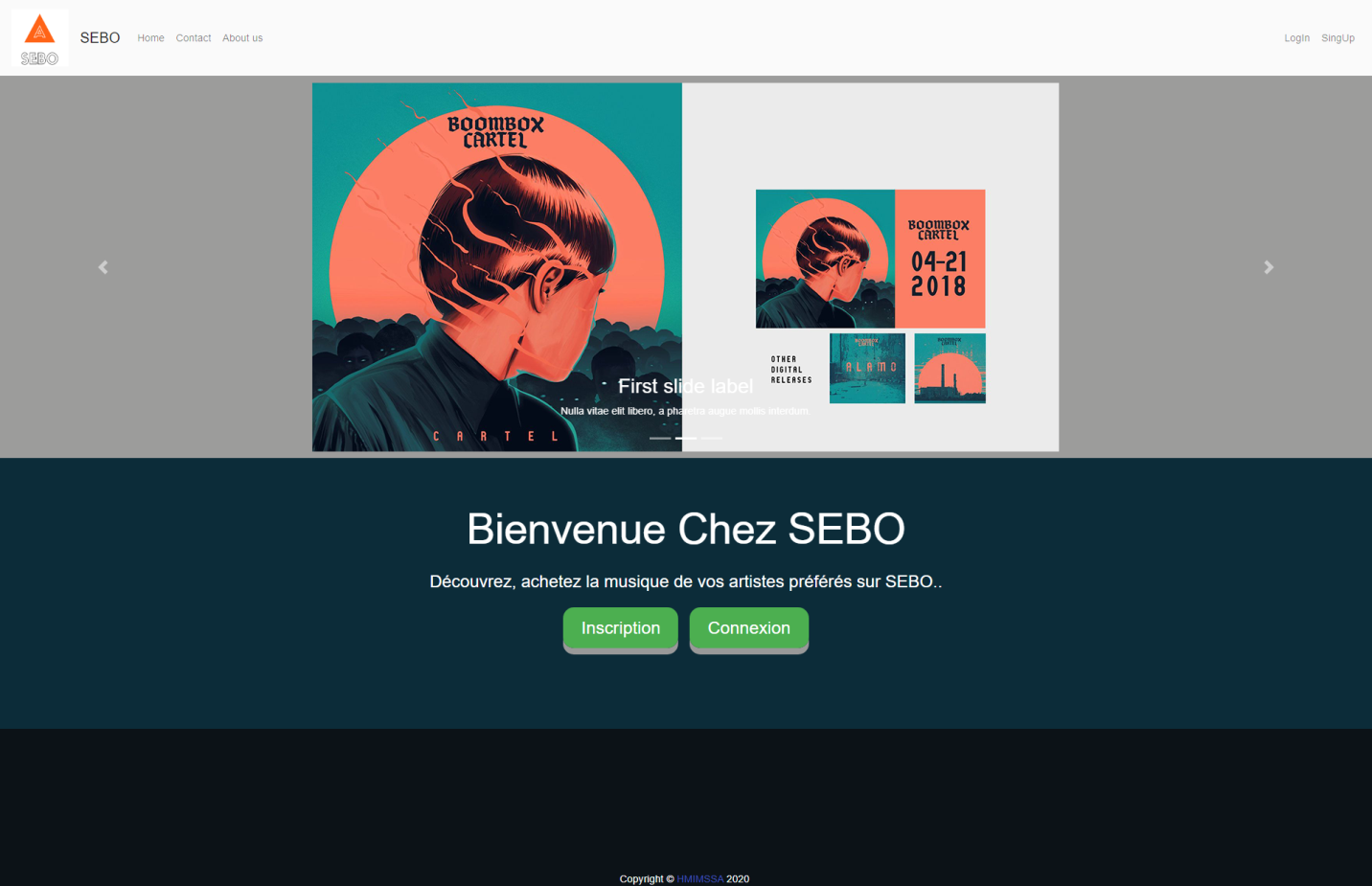


**Structure de Projet Front-end**



**Partie User Interface**

⮚**Page de présentation:**



**Code :**

import React, { useState } from 'react';

import Carousel from 'react-bootstrap/Carousel';

import Grid from '@material-ui/core/Grid';

import Typography from '@material-ui/core/Typography';

import { makeStyles } from '@material-ui/core/styles';

import Container from '@material-ui/core/Container';

import { Link } from "react-router-dom";

import home\_banner from '../assets/home\_banner1.png'; // with import

import home\_banner2 from '../assets/home\_banner2.png'; // with import

import home\_banner3 from '../assets/home\_banner3.png'; // with import

const useStyles = makeStyles(theme => ({

    icon: {

        marginRight: theme.spacing(2),

    },

    heroContent: {

        backgroundColor: theme.palette.background.paper,

        padding: theme.spacing(8, 0, 6),

    },

    heroButtons: {

        marginTop: theme.spacing(4),

    },

    cardGrid: {

        paddingTop: theme.spacing(8),

        paddingBottom: theme.spacing(8),

    },

    card: {

        height: '100%',

        display: 'flex',

        flexDirection: 'column',

    },

    cardMedia: {

        paddingTop: '56.25%', // 16:9

    },

    cardContent: {

        flexGrow: 1,

    },

    button: {

        padding: "15px 25px",

        fontSize: "24px",

        cursor: "pointer",

        textAlign: "center",

        outline: "none",

        color: "#fff0",

        backgroundColor: "#4CAF50",

        border: "none",

        borderRadius: "15px",

        boxShadow: "0 9px #999"

    },

}));

export default function Welcome() {

    const classes = useStyles();

    const [index, setIndex] = useState(0);

    const handleSelect = (selectedIndex, e) => {

        setIndex(selectedIndex);

    };

    return (

        <div style={{ height: "100vh", background: "#0c2c39" }} >

            <Carousel activeIndex={index} onSelect={handleSelect}>

                <Carousel.Item>

                    <img

                        className="d-block w-100"

                        src={home\_banner}

                        alt="First slide"

                    />

                    <Carousel.Caption>

                        <h3>First slide label</h3>

                        <p>Nulla vitae elit libero, a pharetra augue mollis interdum.</p>

                    </Carousel.Caption>

                </Carousel.Item>

                <Carousel.Item>

                    <img

                        className="d-block w-100"

                        src={home\_banner2}

                        alt="First slide"

                    />

                    <Carousel.Caption>

                        <h3>First slide label</h3>

                        <p>Nulla vitae elit libero, a pharetra augue mollis interdum.</p>

                    </Carousel.Caption>

                </Carousel.Item>

                <Carousel.Item>

                    <img

                        className="d-block w-100"

                        src={home\_banner3}

                        alt="First slide"

                    />

                    <Carousel.Caption>

                        <h3>First slide label</h3>

                        <p>Nulla vitae elit libero, a pharetra augue mollis interdum.</p>

                    </Carousel.Caption>

                </Carousel.Item>

            </Carousel>

            <div style={{

                background: "#0c2c39"

            }} className={classes.heroContent}>

                <Container maxWidth="md" >

                    <Typography style={{ color: "#fff" }} component="h1" variant="h2" align="center" gutterBottom>

                        Bienvenue Chez SEBO

                    </Typography>

                    <Typography style={{ color: "#fff" }} variant="h5" align="center" paragraph>

                        Découvrez, achetez la musique de vos artistes préférés sur SEBO..

                        </Typography>

                    <div className={classes.heroButtons}>

                        <Grid container spacing={2} justify="center">

                            <Grid item>

                                <Link style={{ textDecoration: "none", color: "#fff" }}

                                    className={classes.button}

                                    variant="contained"

                                    color="primary"

                                    to="/SignUp">Inscription</Link>

                            </Grid>

                            <Grid item>

                                <Link style={{ textDecoration: "none", color: "#fff" }}

                                    className={classes.button} to="/SignIn">Connexion</Link>

                            </Grid>

                        </Grid>

                    </div>

                </Container>

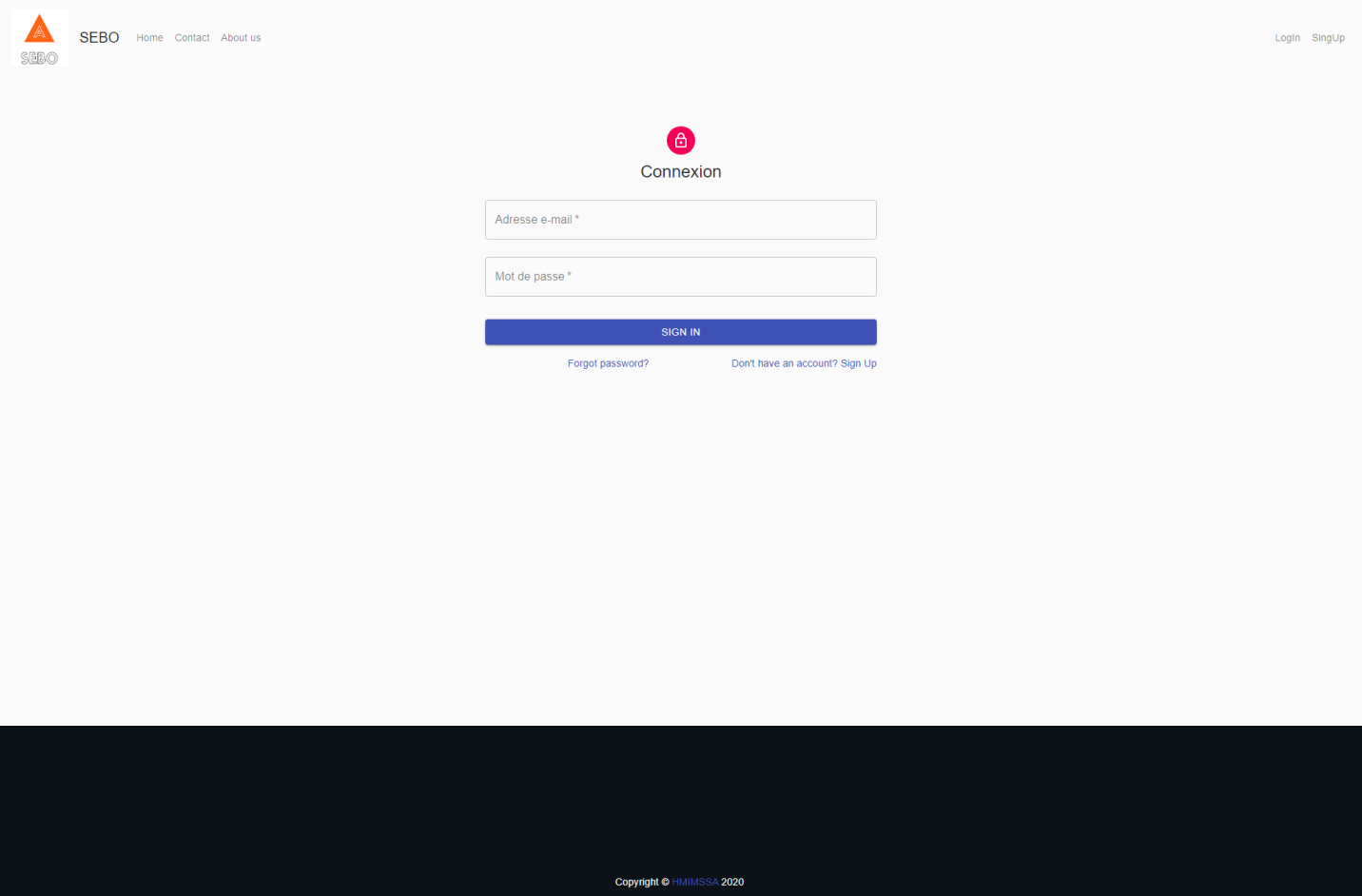
            </div>

        </div >

    );

}

⮚**Page d’authentification :**Dès l’accès à l’application une page d’authentification s’affiche.  
Après authentification accéder aux  
différentes fonctionnalités de l’site



import React, { useState } from 'react';

import Avatar from '@material-ui/core/Avatar';

import Button from '@material-ui/core/Button';

import CssBaseline from '@material-ui/core/CssBaseline';

import TextField from '@material-ui/core/TextField';

import Link from '@material-ui/core/Link';

import Grid from '@material-ui/core/Grid';

import LockOutlinedIcon from '@material-ui/icons/LockOutlined';

import Typography from '@material-ui/core/Typography';

import { makeStyles } from '@material-ui/core/styles';

import Container from '@material-ui/core/Container';

const useStyles = makeStyles((theme) => ({

    paper: {

        marginTop: theme.spacing(8),

        display: 'flex',

        flexDirection: 'column',

        alignItems: 'center',

    },

    avatar: {

        margin: theme.spacing(1),

        backgroundColor: theme.palette.secondary.main,

    },

    form: {

        width: '100%', // Fix IE 11 issue.

        marginTop: theme.spacing(1),

    },

    submit: {

        margin: theme.spacing(3, 0, 2),

    },

}));

export default function SignIn(props) {

    const classes = useStyles();

    const [client, setClient] = useState({});

    const [email, setEmail] = useState("");

    const [motPasse, setmotPasse] = useState("");

    const [redirect, setRedirect] = useState(false);

    const renderRedirect = () => {

        if (redirect) {

            // return <Redirect to='/Home' />

            props.history.push({

                pathname: "/Home",

                state: {

                    o: client

                }

            });

        }

    }

    const onSubmit = (e) => {

        e.preventDefault();

        var myHeaders = new Headers();

        myHeaders.append("Content-Type", "application/json");

        var raw = JSON.stringify({ "email": email, "motPasse": motPasse });

        var requestOptions = {

            method: 'POST',

            headers: myHeaders,

            body: raw,

            redirect: 'follow'

        };

        fetch("http://localhost:8080/API/Client/signIn", requestOptions)

            .then(response => response.text())

            .then(result => {

                if (result !== "") { setClient(JSON.parse(result)); setRedirect(true); }

            })

            .catch(error => console.log('error', error));

    }

    return (

        <div>

            {renderRedirect()}

            <Container style={{ height: "100vh" }} component="main" maxWidth="sm">

                <CssBaseline />

                <div className={classes.paper}>

                    <Avatar className={classes.avatar}>

                        <LockOutlinedIcon />

                    </Avatar>

                    <Typography component="h1" variant="h5">

                        Connexion

                    </Typography>

                    <form className={classes.form} onSubmit={onSubmit} noValidate>

                        <TextField variant="outlined" margin="normal" required fullWidth

                            id="email"

                            label="Adresse e-mail"

                            name="email"

                            onChange={e => {

                                setEmail(e.target.value);

                            }}

                            autoFocus

                        />

                        <TextField variant="outlined" margin="normal" required fullWidth

                            name="password"

                            label="Mot de passe"

                            type="password"

                            id="password"

                            onChange={e => {

                                setmotPasse(e.target.value);

                            }}

                            autoComplete="current-password"

                        />

                        <Button type="submit" fullWidth variant="contained" color="primary"

                            className={classes.submit} >

                            Sign In

                        </Button>

                        <Grid container>

                            <Grid item xs>

                                <Link href="#" variant="body2">

                                    Forgot password?

                            </Link>

                            </Grid>

                            <Grid item>

                                <Link href="#" variant="body2">

                                    {"Don't have an account? Sign Up"}

                                </Link>

                            </Grid>

                        </Grid>

                    </form>

                </div>

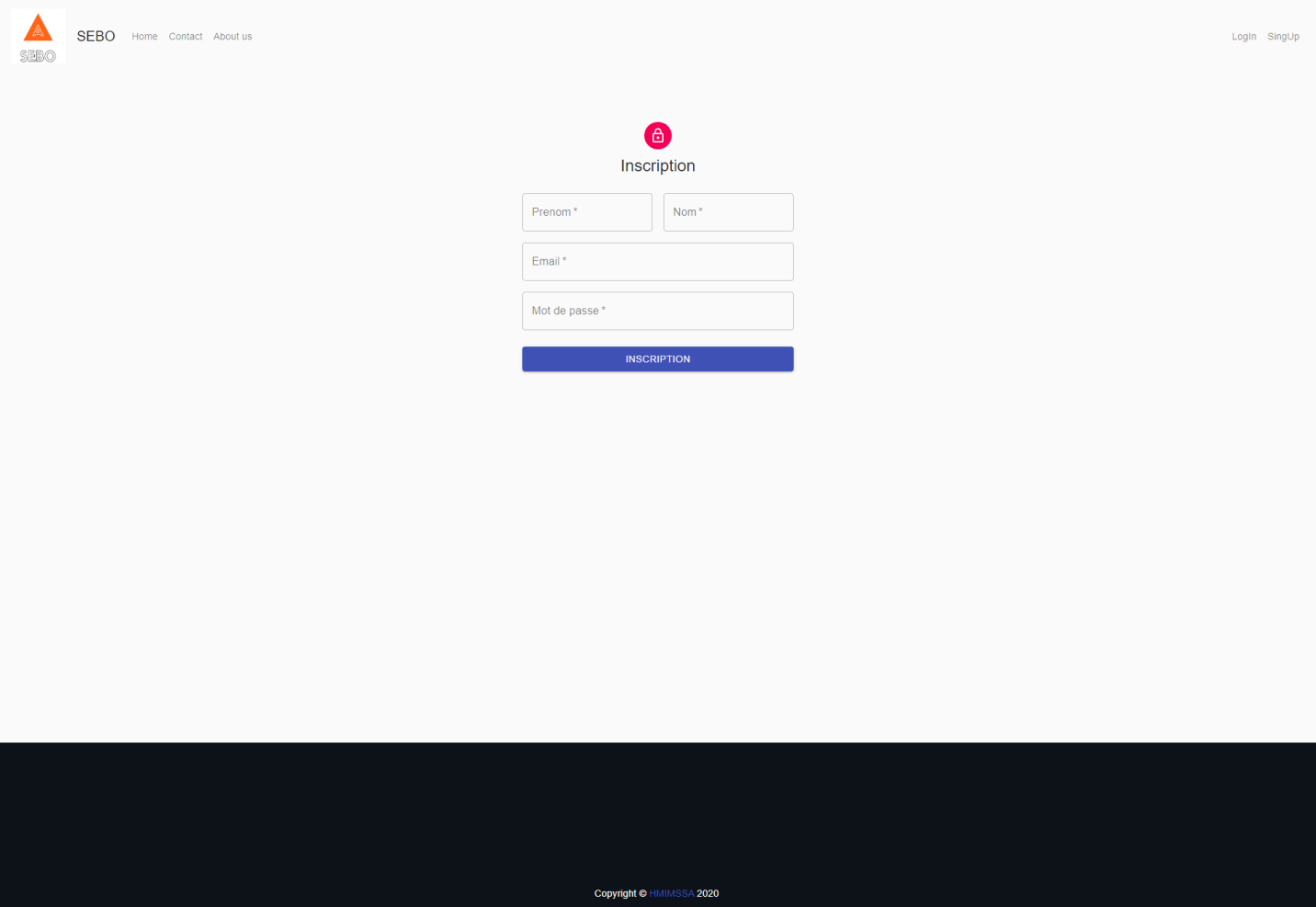
            </Container>

        </div>

    );

}

⮚**Page Inscription:**

****

**Code :**

import React, { useState } from 'react';

import Avatar from '@material-ui/core/Avatar';

import Button from '@material-ui/core/Button';

import CssBaseline from '@material-ui/core/CssBaseline';

import TextField from '@material-ui/core/TextField';

import Grid from '@material-ui/core/Grid';

import LockOutlinedIcon from '@material-ui/icons/LockOutlined';

import Typography from '@material-ui/core/Typography';

import { makeStyles } from '@material-ui/core/styles';

import Container from '@material-ui/core/Container';

const useStyles = makeStyles(theme => ({

    paper: {

        marginTop: theme.spacing(8),

        display: 'flex',

        flexDirection: 'column',

        alignItems: 'center',

    },

    avatar: {

        margin: theme.spacing(1),

        backgroundColor: theme.palette.secondary.main,

    },

    form: {

        width: '100%', // Fix IE 11 issue.

        marginTop: theme.spacing(3),

    },

    submit: {

        margin: theme.spacing(3, 0, 2),

    },

}));

export default function SignUp() {

    const classes = useStyles();

    const [client, setClient] = useState({});

    const [nom, setNom] = useState("");

    const [prenom, setPrenom] = useState("");

    const [email, setEmail] = useState("");

    const [motPasse, setmotPasse] = useState("");

    const [compteType, setCompteType] = useState('');

    const handleChange = (event) => {

        setCompteType(event.target.value);

    };

    const handleSubmit = (evt) => {

        evt.preventDefault();

        //var raw = JSON.stringify({ "email": email, "password": password });

        var myHeaders = new Headers();

        myHeaders.append("Content-Type", "application/json");

        setClient({

            "nom": nom,

            "prenom": prenom,

            "email": email,

            "motPasse": motPasse

        })

        var raw = JSON.stringify(client);

        var requestOptions = {

            method: 'POST',

            headers: myHeaders,

            body: raw,

            redirect: 'follow'

        };

        fetch("http://localhost:8080/API/Client/signUp", requestOptions)

            .then(response => response.text())

            .then(result => console.log(result))

            .catch(error => console.log('error', error));

    }

    return (

        <Container component="main" style={{ height: "100%" }} maxWidth="xs">

            <CssBaseline />

            <div className={classes.paper}>

                <Avatar className={classes.avatar}>

                    <LockOutlinedIcon />

                </Avatar>

                <Typography component="h1" variant="h5">

                    Inscription

                </Typography>

                <form className={classes.form} noValidate>

                    <Grid container spacing={2}>

                        <Grid item xs={12} sm={6}>

                            <TextField autoComplete="fname" name="firstName"

                                variant="outlined"

                                required

                                fullWidth

                                id="firstName"

                                label="Prenom"

                                autoFocus

                                onChange={e => {

                                    setPrenom(e.target.value);

                                }}

                            />

                        </Grid>

                        <Grid item xs={12} sm={6}>

                            <TextField variant="outlined" required fullWidth

                                id="lastName"

                                label="Nom"

                                name="lastName"

                                autoComplete="lname"

                                onChange={e => {

                                    setNom(e.target.value);

                                }}

                            />

                        </Grid>

                        <Grid item xs={12}>

                            <TextField variant="outlined" required fullWidth

                                id="email"

                                label="Email"

                                name="email"

                                autoComplete="email"

                                onChange={e => {

                                    setEmail(e.target.value);

                                }}

                            />

                        </Grid>

                        <Grid item xs={12}>

                            <TextField variant="outlined" required fullWidth

                                name="password"

                                label="Mot de passe"

                                type="password"

                                id="password"

                                autoComplete="current-password"

                                onChange={e => {

                                    setmotPasse(e.target.value);

                                }}

                            />

                        </Grid>

                    </Grid>

                    <Button type="submit" fullWidth variant="contained" color="primary"

                        className={classes.submit}

                    >

                        Inscription

                     </Button>

                </form>

            </div>

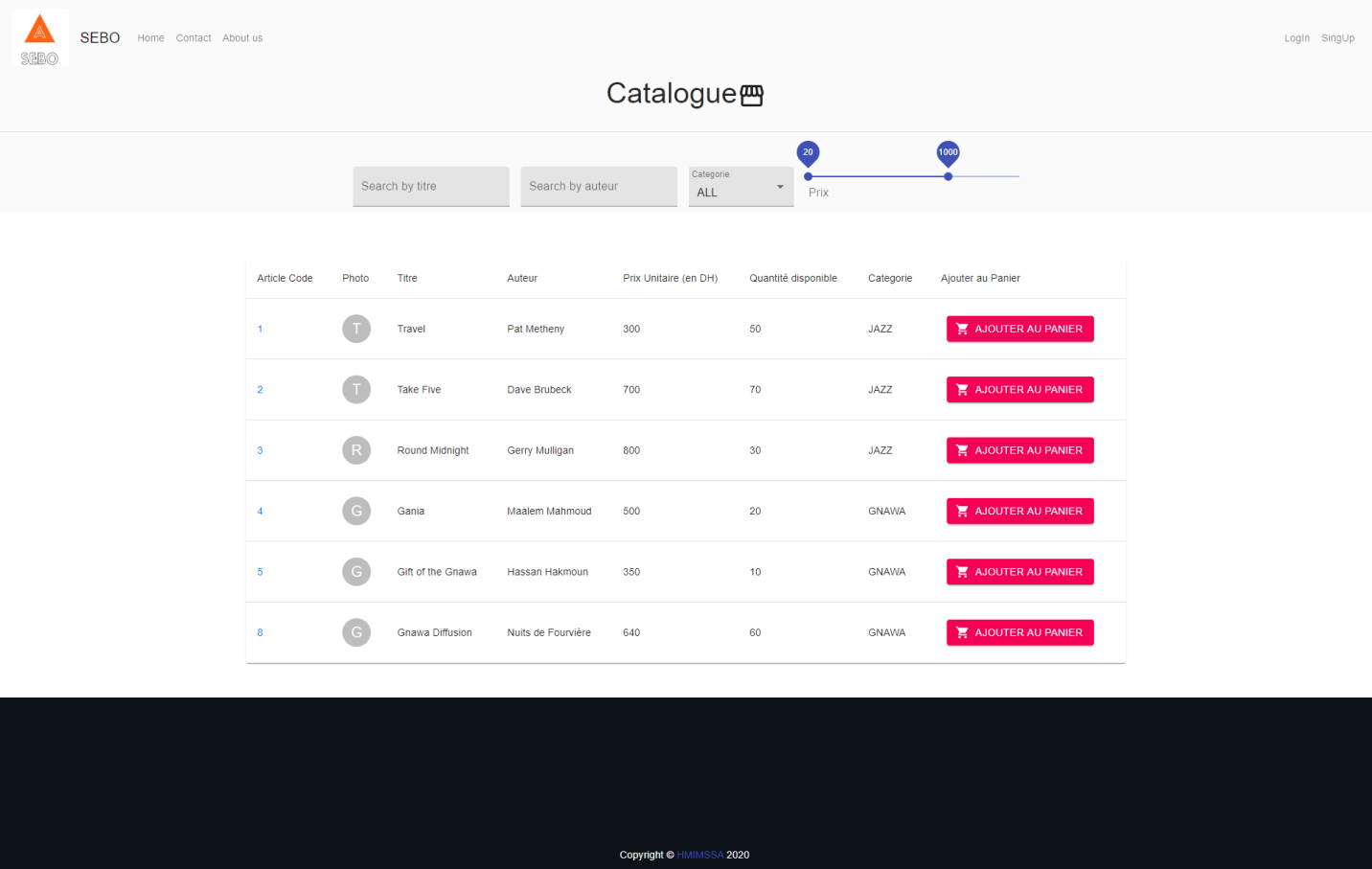
        </Container>

    );

}

⮚**Page Catalogue:**

**Filter par catégories, prix,titre,auteur.**

****

**Code :**

import React, { useState, useEffect, useRef } from 'react';

import Table from '@material-ui/core/Table';

import TableBody from '@material-ui/core/TableBody';

import TableCell from '@material-ui/core/TableCell';

import TableContainer from '@material-ui/core/TableContainer';

import TableHead from '@material-ui/core/TableHead';

import TableRow from '@material-ui/core/TableRow';

import Paper from '@material-ui/core/Paper';

import Container from '@material-ui/core/Container';

import { withStyles } from '@material-ui/core/styles';

import TextField from '@material-ui/core/TextField';

import InputLabel from '@material-ui/core/InputLabel';

import FormControl from '@material-ui/core/FormControl';

import Select from '@material-ui/core/Select';

import Button from '@material-ui/core/Button';

import ShoppingCartIcon from '@material-ui/icons/ShoppingCart';

import Slider from '@material-ui/core/Slider';

import { Link } from "react-router-dom";

import Avatar from '@material-ui/core/Avatar';

import StorefrontIcon from '@material-ui/icons/Storefront';

const styles = theme => ({

    icon: {

        marginRight: theme.spacing(2),

    },

    button: {

        margin: theme.spacing(1),

    },

    heroContent: {

        backgroundColor: theme.palette.background.paper,

        padding: theme.spacing(8, 0, 6),

    },

    margin: {

        margin: theme.spacing(1),

    },

    table: {

        minWidth: 650,

    },

    footer: {

        backgroundColor: theme.palette.background.paper,

        padding: theme.spacing(6),

    },

});

function valuetext(value) {

    return `${value}DH`;

}

function Catalogue(props) {

    const { classes } = props;

    const categoriesSelected = useRef(-1);

    const [articles, setArticles] = useState([]);

    const [articlesCopy, setArticlesCopy] = useState([]);

    const [filterBytitre, setFilterByTitre] = useState("");

    const [filterByAuteur, setFilterByAuteur] = useState("");

    const [categories, setCategories] = useState([]);

    const [value, setValue] = React.useState([20, 1000]);

    const handleChangeSlider = (event, newValue) => {

        setValue(newValue);

    };

    const handleChange = (event) => {

        categoriesSelected.current = parseInt(event.target.value);

        (categoriesSelected.current === -1) ? setArticlesCopy(articles) :

            setArticlesCopy(articles.filter(x => x.categorie.refCat === categoriesSelected.current));

    };

    const handleClick = (event) => {

        var requestOptions = {

            method: 'GET',

            redirect: 'follow'

        };

        fetch("http://localhost:8080/API/Article/articles", requestOptions)

            .then(response => response.text())

            .then(result => { setArticles(JSON.parse(result)); setArticlesCopy(JSON.parse(result)); })

            .catch(error => console.log('error', error));

    };

    useEffect(() => {

        var requestOptions = {

            method: 'GET',

            redirect: 'follow'

        };

        fetch("http://localhost:8080/API/Article/articles", requestOptions)

            .then(response => response.text())

            .then(result => { setArticles(JSON.parse(result)); setArticlesCopy(JSON.parse(result)); })

            .catch(error => console.log('error', error));

    }, []);

    useEffect(() => {

        var requestOptions = {

            method: 'GET',

            redirect: 'follow'

        };

        fetch("http://localhost:8080/API/Categorie/categories", requestOptions)

            .then(response => response.text())

            //.then(result => console.log(result))

            .then(result => setCategories(JSON.parse(result)))

            .catch(error => console.log('error', error));

    }, []);

    return (

        <main style={{ minHeight: "100%" }}>

            <div>

                <div style={{ marginBottom: "30px" }}>

                    <h1 ><span style={{ verticalAlign: "bottom" }}>Catalogue</span>

                        <StorefrontIcon fontSize="inherit" />

                    </h1>

                </div>

                <hr />

                <div style={{ marginTop: "40px" }}>

                    <FormControl className={classes.margin}>

                        <TextField id="filled-basic" onChange={e => {

                            setFilterByTitre(e.target.value);

                        }} label="Search by titre" variant="filled" />

                    </FormControl>

                    <FormControl className={classes.margin}>

                        <TextField id="filled-basic" onChange={e => {

                            setFilterByAuteur(e.target.value);

                        }} label="Search by auteur" variant="filled" />

                    </FormControl>

                    <FormControl className={classes.margin}>

                        <InputLabel style={{ padding: "5px" }}

                            htmlFor="outlined-age-native-simple">

                            Categorie

                        </InputLabel>

                        <Select

                            variant="filled"

                            native

                            value={categoriesSelected.current}

                            onChange={handleChange}

                            inputProps={{

                                name: 'Categorie',

                                id: 'filled-age-native-simple',

                            }}

                        >

                            <option aria-label="None" value={-1} >ALL</option>

                            {categories?.map(row => (

                                <option key={row.refCat} value={row.refCat}>

                                    {row.cat}

                                </option>

                            ))}

                        </Select>

                    </FormControl>

                    <FormControl className={classes.margin} style={{ width: "300px" }}>

                        <InputLabel style={{ padding: "5px" }} >Prix</InputLabel>

                        <Slider

                            value={value}

                            onChange={handleChangeSlider}

                            aria-labelledby="range-slider"

                            valueLabelDisplay="on"

                            max={1500}

                            getAriaValueText={valuetext}

                        />

                    </FormControl>

                </div>

            </div>

            <div className={classes.heroContent}>

                <Container maxWidth="lg"  >

                    <TableContainer component={Paper} >

                        <Table className={classes.table} aria-label="simple table">

                            <TableHead>

                                <TableRow>

                                    <TableCell>Article Code</TableCell>

                                    <TableCell >Photo</TableCell>

                                    <TableCell >Titre</TableCell>

                                    <TableCell >Auteur</TableCell>

                                    <TableCell >Prix Unitaire (en DH)</TableCell>

                                    <TableCell >Quantité disponible</TableCell>

                                    <TableCell >Categorie</TableCell>

                                    <TableCell >Ajouter au Panier</TableCell>

                                </TableRow>

                            </TableHead>

                            <TableBody>

                                {articlesCopy?.filter(row => (

                                    row.titre.toLowerCase().search(filterBytitre) !== -1) &&

                                    (row.auteur.toLowerCase().search(filterByAuteur) !== -1)).map(row => (

                                        <TableRow key={row.codeArticle}>

                                            <TableCell component="th" scope="row">

                                                <Link

                                                    to={`/ArticleDetails/${row.codeArticle}`}

                                                >  {row.codeArticle}</Link>

                                            </TableCell>

                                            <TableCell >

                                                <Avatar alt={row.titre} src="/static/images/avatar/1.jpg" />

                                            </TableCell>

                                            <TableCell >{row.titre}</TableCell>

                                            <TableCell >{row.auteur}</TableCell>

                                            <TableCell >{row.prix}</TableCell>

                                            <TableCell >{row.stock}</TableCell>

                                            <TableCell>{row.categorie?.cat}</TableCell>

                                            <TableCell >

                                                <Button

                                                    variant="contained"

                                                    color="secondary"

                                                    name={row.codeArticle}

                                                    className={classes.button}

                                                    onClick={handleClick}

                                                    startIcon={<ShoppingCartIcon />}

                                                >

                                                    Ajouter au panier

                                                    </Button>

                                            </TableCell>

                                        </TableRow>

                                    ))}

                            </TableBody>

                        </Table>

                    </TableContainer>

                </Container>

            </div>

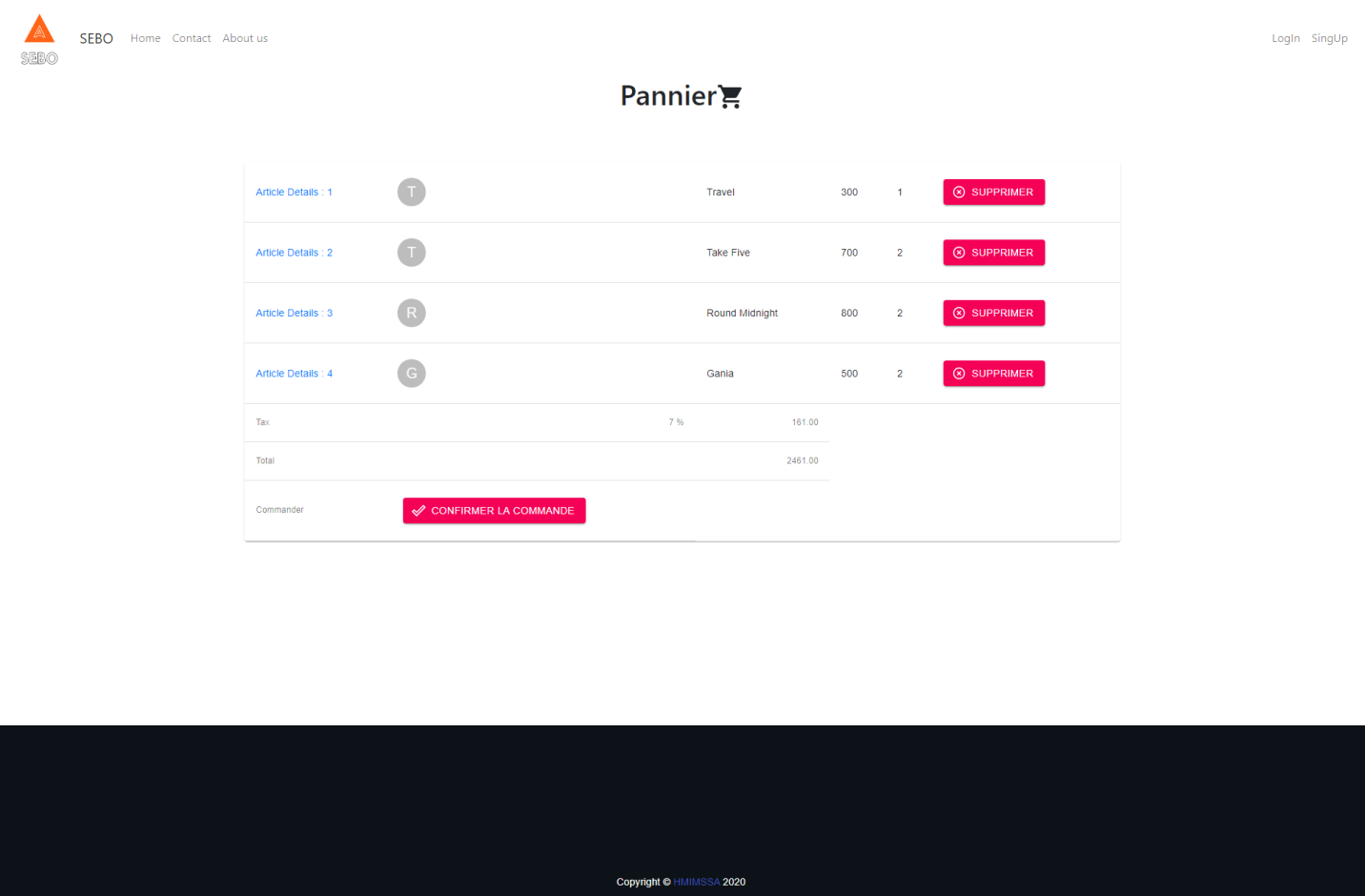
        </main>

    );

}

export default withStyles(styles)(Catalogue);

⮚**Page Pannier:**

****

**Code :**

import React, { useState, useEffect, useRef } from 'react';

import Table from '@material-ui/core/Table';

import TableBody from '@material-ui/core/TableBody';

import TableCell from '@material-ui/core/TableCell';

import TableContainer from '@material-ui/core/TableContainer';

import TableRow from '@material-ui/core/TableRow';

import Paper from '@material-ui/core/Paper';

import Container from '@material-ui/core/Container';

import { withStyles } from '@material-ui/core/styles';

import { Link } from "react-router-dom";

import Avatar from '@material-ui/core/Avatar';

import HighlightOffIcon from '@material-ui/icons/HighlightOff';

import Button from '@material-ui/core/Button';

import ShoppingCartIcon from '@material-ui/icons/ShoppingCart';

import DoneOutlineIcon from '@material-ui/icons/DoneOutline';

import TableFooter from '@material-ui/core/TableFooter';

const styles = theme => ({

    icon: {

        marginRight: theme.spacing(2),

    },

    button: {

        margin: theme.spacing(1),

    },

    heroContent: {

        backgroundColor: theme.palette.background.paper,

        padding: theme.spacing(8, 0, 6),

    },

    margin: {

        margin: theme.spacing(1),

    },

    table: {

        minWidth: 650,

    },

    footer: {

        backgroundColor: theme.palette.background.paper,

        padding: theme.spacing(6),

    },

});

const TAX\_RATE = 0.07;

function ccyFormat(num) {

    return `${num.toFixed(2)}`;

}

function priceRow(qty, unit) {

    return qty \* unit;

}

function createRow(desc, qty, unit) {

    const price = priceRow(qty, unit);

    return { desc, qty, unit, price };

}

function subtotal(items) {

    //return items.map(({ price }) => price).reduce((sum, i) => sum + i, 0);

    return items?.map(item => item.article.prix).reduce((sum, i) => sum + i, 0);

}

function Pannier(props) {

    const { classes } = props;

    const oClient = props.location.oClient;

    const invoiceSubtotal = subtotal(oClient?.commandes[0]?.lignesCommande);

    const invoiceTaxes = TAX\_RATE \* invoiceSubtotal;

    const invoiceTotal = invoiceTaxes + invoiceSubtotal;

    const handleClick = (event) => {

    };

    useEffect(() => {

        console.log(oClient);

    }, [oClient]);

    return (

        <main style={{ minHeight: "100%" }}>

            <div>

                <h1>

                    <span style={{ verticalAlign: "bottom" }}>Pannier</span>

                    <ShoppingCartIcon fontSize="inherit" />

                </h1>

            </div>

            <div className={classes.heroContent}>

                <Container maxWidth="lg"  >

                    <TableContainer component={Paper} >

                        <Table className={classes.table} aria-label="simple table">

                            <TableBody>

                                {oClient?.commandes?.map(row => (

                                    row.lignesCommande.map(linge => (

                                        <TableRow key={linge.lignesCommande}>

                                            <TableCell component="th" scope="row">

                                                <Link

                                                    to={`/ArticleDetails/${linge.article.codeArticle}`}

                                                > Article Details : {linge.article.codeArticle}</Link>

                                            </TableCell>

                                            <TableCell >

                                                <Avatar alt={linge.article.titre}

                                                    src="/static/images/avatar/1.jpg" />

                                            </TableCell>

                                            <TableCell >{linge.article.titre}</TableCell>

                                            <TableCell >{linge.article.prix}</TableCell>

                                            <TableCell >{linge.qteCde}</TableCell>

                                            <TableCell >

                                                <Button

                                                    variant="contained"

                                                    color="secondary"

                                                    name={linge.article.codeArticle}

                                                    className={classes.button}

                                                    onClick={handleClick}

                                                    startIcon={<HighlightOffIcon />}

                                                >

                                                    Supprimer

                                                    </Button>

                                            </TableCell>

                                        </TableRow>

                                    ))

                                ))}

                            </TableBody>

                            <TableFooter  >

                                <TableRow>

                                    <TableCell>Tax</TableCell>

                                    <TableCell align="right">{`${(TAX\_RATE \* 100).toFixed(0)} %`}</TableCell>

                                    <TableCell align="right">{ccyFormat(invoiceTaxes)}</TableCell>

                                </TableRow>

                                <TableRow>

                                    <TableCell colSpan={2}>Total</TableCell>

                                    <TableCell align="right">{ccyFormat(invoiceTotal)}</TableCell>

                                </TableRow>

                                <TableRow variant="footer">

                                    <TableCell  >Commander</TableCell>

                                    <TableCell variant="footer">

                                        <Button

                                            variant="contained"

                                            color="secondary"

                                            className={classes.button}

                                            onClick={handleClick}

                                            startIcon={<DoneOutlineIcon />}

                                        >

                                            confirmer  la commande

                                                    </Button>

                                    </TableCell>

                                </TableRow></TableFooter>

                        </Table>

                    </TableContainer>

                </Container>

            </div>

        </main>

    );

}

export default withStyles(styles)(Pannier);