

ATELIER 7 : OPERATIONS CRUD AVEC NEXT JS

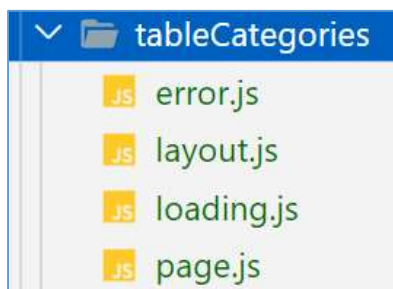
Introduction



Dans cet atelier, nous allons créer des opérations CRUD, que nous pouvons utiliser pour gérer rapidement les requêtes vers l'API Rest.

Affichage des catégories

Créer le dossier app/tableCategories dans lequel les fichiers suivants :



```
'use client' ;
import AdminSidebar from "@/components/adminSidebar";

function CategoryLayout({ children }) {
  return (

    <div className="row">

      <div className="col-md-12 col-lg-2 mb-4 mb-lg-0 pt-4 ">

        <AdminSidebar/>
```

```

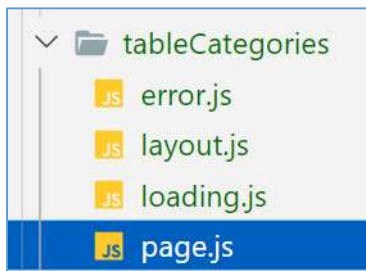
        </div>
        <div className="col-md-12 col-lg-9 mb-4 mb-lg-0 pt-4 ">
          {children}
        </div>

      </div>

    );
  }

export default CategoryLayout;

```



Dans page.js mettre le code suivant :

```

import React from "react";

import dynamic from 'next/dynamic'

const AffTableCategories = dynamic(() =>
import('@components/AffTableCategories'), {
  loading: () => 'Loading...', ssr: false,
})

async function getProducts(){
  const res= await fetch('https://api.escuelajs.co/api/v1/categories')
  const categories = await res.json();
  return categories;
}

const tableCategories= async ()=> {
  const categories = await getProducts();

  return (
    <div className="container mx-auto shadow p-4">
      <AffTableCategories categories={categories} />
    </div>
  )
}

export default tableCategories;

```

Sous composants créer AffTableCategories.js



```
"use client" ;
import React from 'react';

import MUIDataTable from "mui-datatables";

import DeleteForeverRoundedIcon from '@mui/icons-material/DeleteForeverRounded';
import NoteAltOutlinedIcon from '@mui/icons-material/NoteAltOutlined';

const affTableCategories=({categories})=>{

const handleDelete=(id)=>{
    if(window.confirm("supprimer la catégorie O/N")) {
        console.log(id)
    }
}

const columns = [
    {
        label: "Name",
        name: "name"
    },
    {
        label: "Image",
        name:"image",
        options: {
            customBodyRender : (rowdata) => (
                <img
                    style={{ height: 50, width : 60, borderRadius: '10%' }}
                    src= `${rowdata}`
                    alt=""
                />
            )
        }
    },
    {
        name: "id",
        label: "Actions",
```

```

    options: {
      customBodyRender: (value) => (
        <div>
          <span
            onClick={()=>{}}
            style={{ cursor: 'pointer'}}
          >
            <NoteAltOutlinedIcon color='success' />
          </span>
          <span
            onClick={(e) => handleDelete(value)}
            style={{ cursor: 'pointer'}}
          >
            <DeleteForeverRoundedIcon color='error' />
          </span>
        </div>
      )
    }
  ];

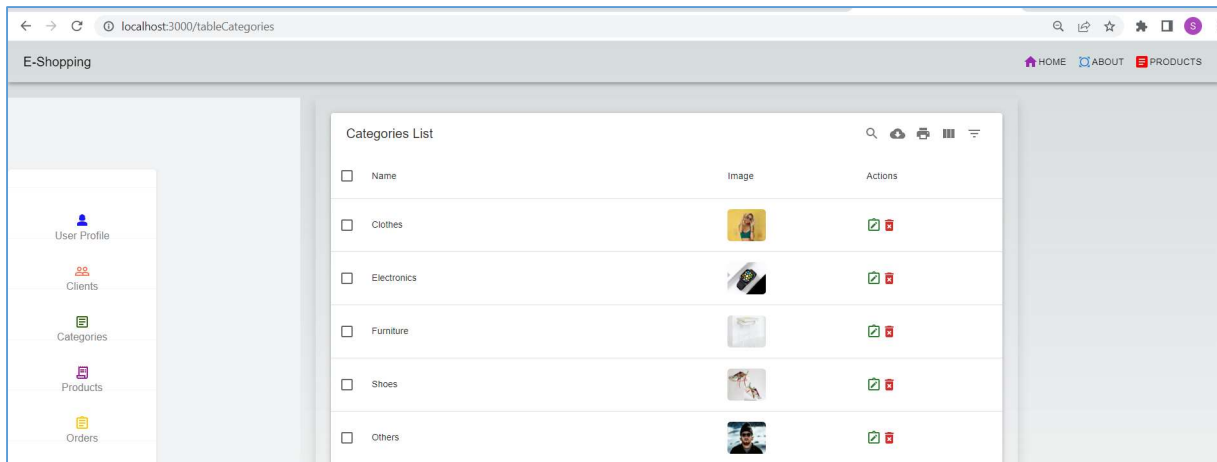
return(
  <>
    {categories && categories?.length > 0 ?

      <MUIDataTable
        title="Categories List"
        data={categories}
        columns={columns}
      />

      :null}
    </>

  )
}
export default affTableCategories;

```



Suppression des catégories

Modifier AffTableCategories.js



On va créer un state pour categories initialisé à props.categories. Pour chaque delete on fait un filtre sur ce state pour actualiser la liste affichée.

```
"use client" ;
import React from 'react';

import MUIDataTable from "mui-datatables";

import DeleteForeverRoundedIcon from '@mui/icons-material/DeleteForeverRounded';
import NoteAltOutlinedIcon from '@mui/icons-material/NoteAltOutlined';

const affTableCategories=(props)=>{

const [categories,setCategories]=React.useState(props.categories)


const handleDelete=async(id)=>{
  if(window.confirm("supprimer la catégorie O/N")) {
    console.log(id)
    const res=await (await
fetch('https://api.escuelajs.co/api/v1/categories/' + id, {
  method: "DELETE"
})).json();
    if (res) {
      const newCategories = categories.filter((item) => item.id !== id);
```

```

        setCategories(newCategories);

    } else {
        console.log(res);
    }
}
}
}

```

```

const columns = [
  {
    label: "Name",
    name: "name"
  },
  {
    label: "Image",
    name: "image",
    options: {
      customBodyRender : (rowdata) => (
        <img
          style={{ height: 50, width : 60, borderRadius: '10%' }}
          src= `${rowdata}`
          alt=""
        />
      )
    }
  },
  {
    name: "id",
    label: "Actions",
    options: {
      customBodyRender: (value) => (
        <div>
          <span
            onClick={()=>{}}
            style={{ cursor: 'pointer' }}
          >
            <NoteAltOutlinedIcon color='success' />
          </span>
          <span
            onClick={(e) => handleDelete(value)}
            style={{ cursor: 'pointer' }}
          >
            <DeleteForeverRoundedIcon color='error' />
          </span>
        </div>
      )
    }
  }
];

```

```

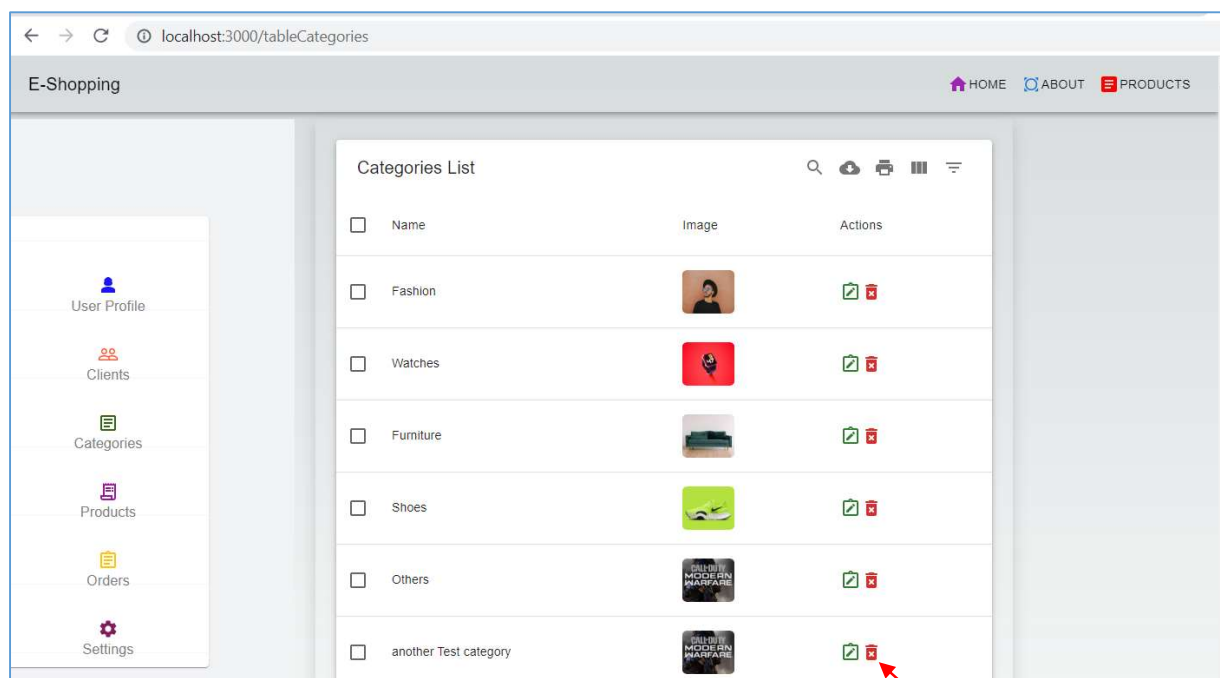
return(
  <>
    {categories  && categories?.length > 0 ?

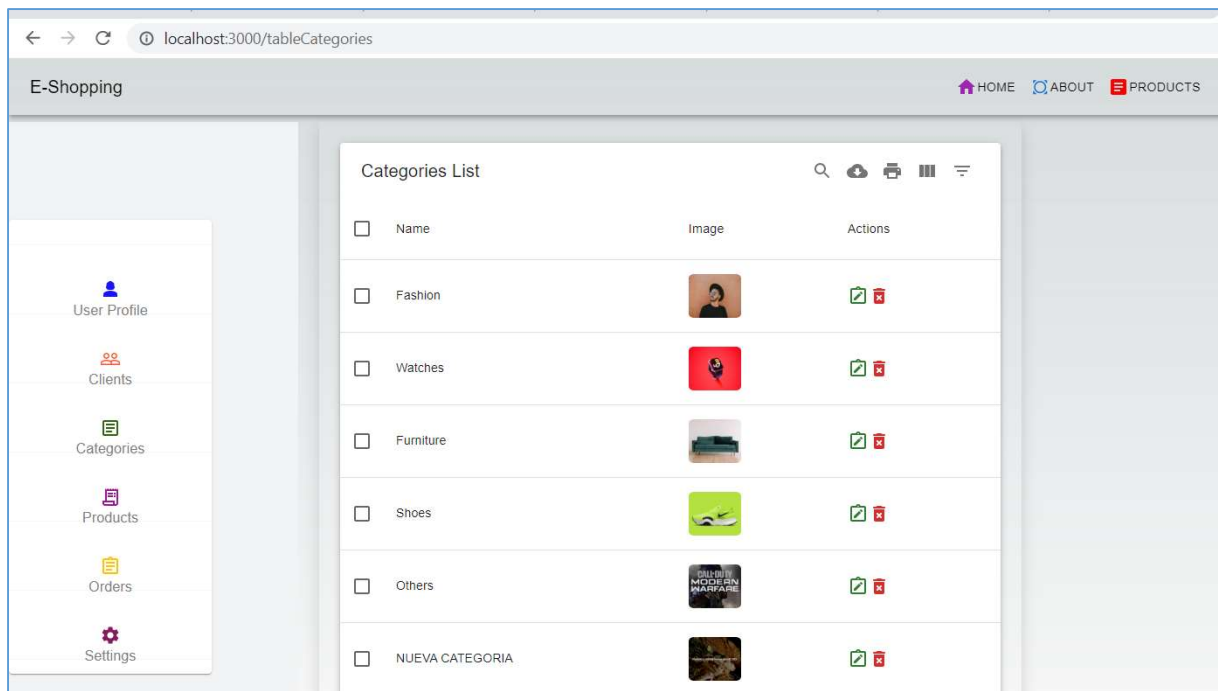
      <MUIDataTable
        title="Categories List"
        data={categories}
        columns={columns}
      />

      :null}
    </>

  )
}
export default affTableCategories;

```





Ajout d'une catégorie

<https://mui.com/material-ui/react-modal/>

Sous composants créer le fichier ajoutCategories.js

 ajoutCategories.js

```
"use client" ;
import React,{ useState } from 'react';

import {TextField, Box, Button, Modal, Typography } from '@mui/material';

const style = {
  position: 'absolute',
  top: '50%',
  left: '50%',
  transform: 'translate(-50%, -50%)',
  width: 550,
  height: 400,
  maxHeight: 450,
  bgcolor: 'background.paper',
  border: '2px solid #000',
  boxShadow: 24,
  color: '#000',
  borderRadius: '20px',
  padding: '40px 30px 60px',
  textAlign: 'center',
};
```



```

function AjoutCat() {

  const [open, setOpen] = React.useState(false);
  const handleOpen = () => setOpen(true);
  const handleClose = () => setOpen(false);

  const [inputs, setInputs] = useState({});

  const handleChange=(e)=>{
    const name = e.target.name;
    const value = e.target.value;
    setInputs(values => ({...values, [name]: value}))
  }

  const handlesave=async()=>{

    const res = await (await
fetch('https://api.escuelajs.co/api/v1/categories', {
  method: 'POST',
  body: JSON.stringify(inputs),
  headers: {
    'Content-Type': 'application/json'
  }
})).json()
    if (res) {
      console.log('successfully inserted!')

      handleClose()
    }
    else {
      console.log(res);
    }
  }
  return (
    <div>
      <Button type="button" className="btn btn-primary" onClick={handleOpen}>
        ADD
      </Button>

      <Modal
        open={open}
        onClose={handleClose}
        aria-labelledby="modal-modal-title"
        aria-describedby="modal-modal-description"
      >
        <Box sx={style}>
          <Typography id="modal-modal-title" variant="h6" component="h2">

```

```

        Add Category
      </Typography>
      <hr/>

      <div className="mb-4">
        <TextField variant="outlined" name="name" label="Name"
onChange={handleChange}/>
      </div>
      <div className="mb-4">
        <TextField variant="outlined" name="image"
label="Image" onChange={handleChange}/>
      </div>
      <hr/>
      <div className="mb-3">
        <Button type="button" className="btn btn-danger"
onClick={handlesave}>Save</Button>
        <Button type="button" className="btn btn-secondary"
onClick={handleClose}>Close</Button>
      </div>

    </Box>
  </Modal>
</div>
)
}

export default AjoutCat

```

Puis modifier AffTableCategories



```

"use client" ;
import React from 'react';

import MUIDataTable from "mui-datatables";

import DeleteForeverRoundedIcon from '@mui/icons-
material/DeleteForeverRounded';
import NoteAltOutlinedIcon from '@mui/icons-material/NoteAltOutlined';
import AjoutCategorie from './ajoutCategorie';

const affTableCategories=(props)=>{

const [categories,setCategories]=React.useState(props.categories)

```

```
//Pour actualiser la liste
```

```
const getCategories = async () => {  
  const res= await fetch('https://api.escuelajs.co/api/v1/categories')  
  const categories = await res.json();  
  setCategories(categories)  
}
```

```
React.useEffect(() => {  
  getCategories();  
  
}, [categories]);
```

```
const handleDelete=async(id)=>{  
  if(window.confirm("supprimer la catégorie O/N")) {  
    console.log(id)  
    const res=await (await  
fetch('https://api.escuelajs.co/api/v1/categories/' + id, {  
      method: "DELETE"  
    })).json();  
    if (res) {  
      const newCategories = categories.filter((item) => item.id !== id);  
      setCategories(newCategories);  
  
    } else {  
      console.log(res);  
    }  
  }  
}
```

```
const columns = [  
  {  
    label: "Name",  
    name: "name"  
  },  
  {  
    label: "Image",  
    name:"image",  
    options: {  
      customBodyRender : (rowdata) => (  
        <img  
          style={{ height: 50, width : 60, borderRadius: '10%' }}  
          src= `${rowdata}`  
          alt=""  
        />  
      )  
    }  
  },  
]
```

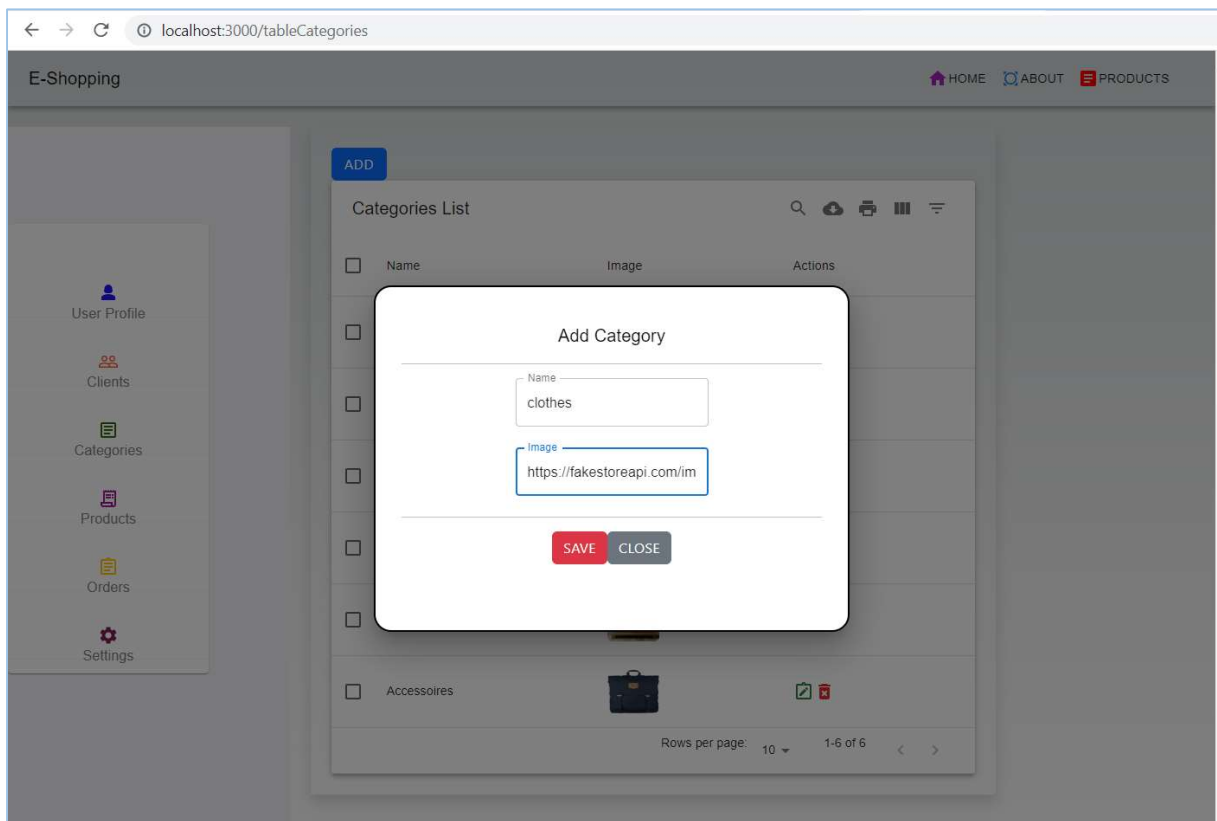
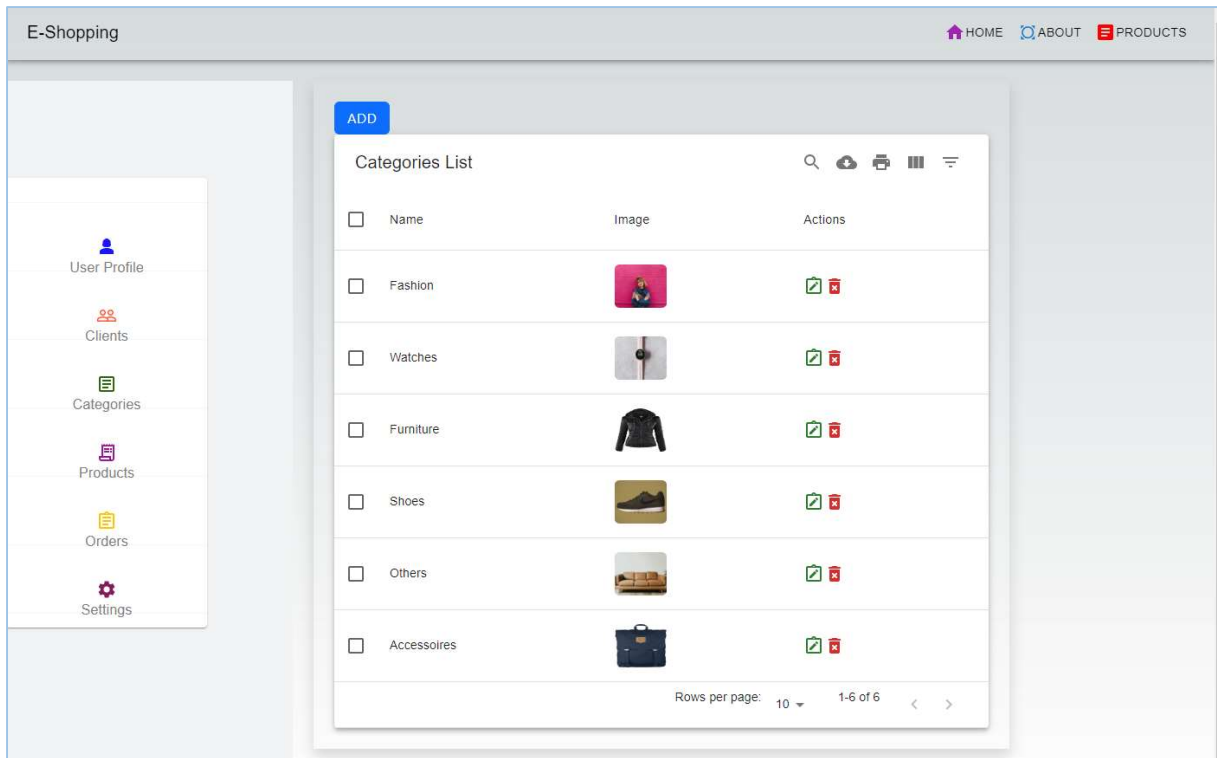
```

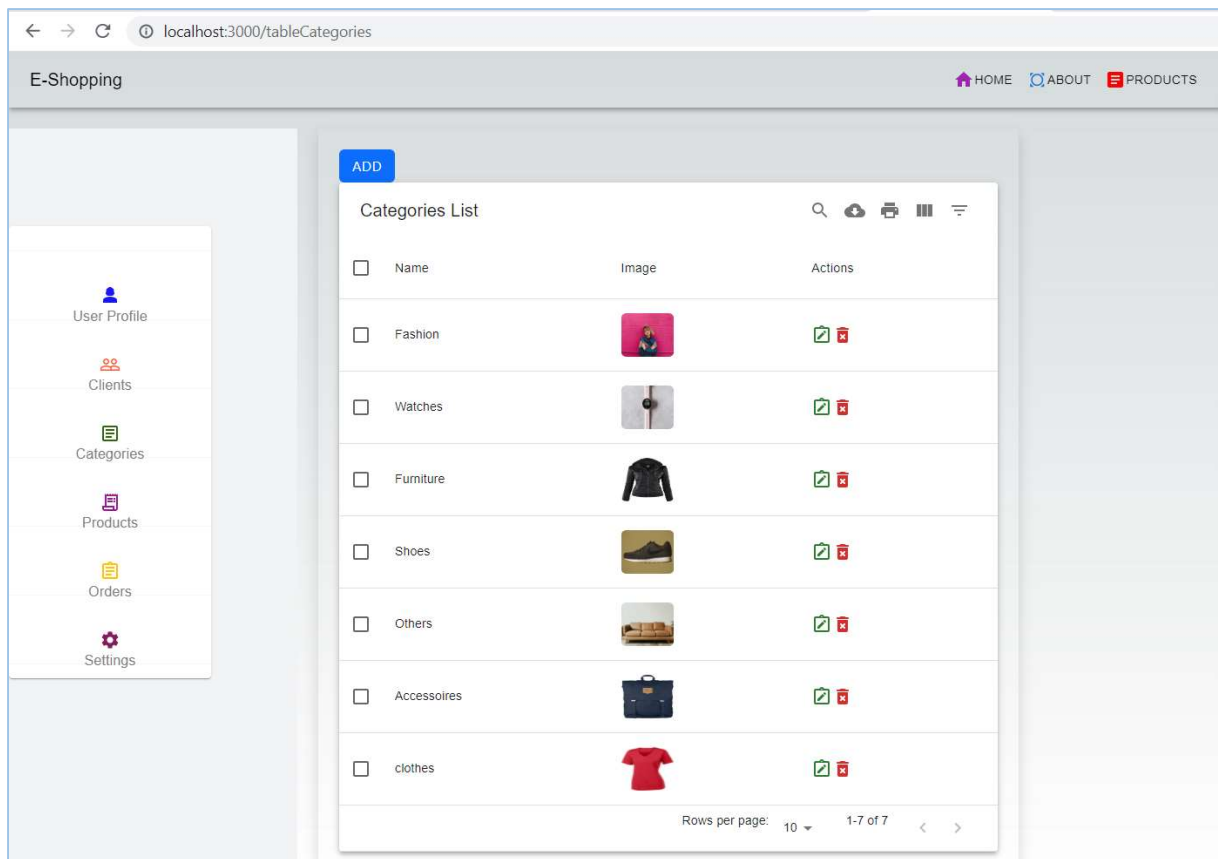
    {
      name: "id",
      label: "Actions",
      options: {
        customBodyRender: (value) => (
          <div>
            <span
              onClick={()=>{}}
              style={{ cursor: 'pointer'}}
            >
              <NoteAltOutlinedIcon color='success' />
            </span>
            <span
              onClick={(e) => handleDelete(value)}
              style={{ cursor: 'pointer'}}
            >
              <DeleteForeverRoundedIcon color='error' />
            </span>
          </div>
        )
      }
    }
  ];

return(
  <>
    <AjoutCategorie />
    {categories && categories?.length > 0 ?
      <MUIDataTable
        title="Categories List"
        data={categories}
        columns={columns}
      />
      :null}
  </>

)
}
export default affTableCategories;

```





Modification d'une catégorie

Sous composants créer le fichier ajoutCategories.js



```
"use client" ;
import React,{ useState } from 'react';

import {TextField, Box, Button, Modal, Typography } from '@mui/material';

import NoteAltOutlinedIcon from '@mui/icons-material/NoteAltOutlined';

const style = {
  position: 'absolute',
  top: '50%',
  left: '50%',
  transform: 'translate(-50%, -50%)',
  width: 550,
  height: 400,
  maxHeight: 450,
  bgcolor: 'background.paper',
```

```
border: '2px solid #000',
boxShadow: 24,
color: '#000',
borderRadius: '20px',
padding: '40px 30px 60px',
textAlign: 'center',
};
```

```
function updateCategory(props) {

  const id = props.categories.id;

  const [open, setOpen] = React.useState(false);
  const handleOpen = () => setOpen(true);
  const handleClose = () => setOpen(false);

  const [inputs, setInputs] = useState(props.categories);

  const handleChange=(e)=>{
    const name = e.target.name;
    const value = e.target.value;
    setInputs(values => ({...values, [name]: value}))
  }

  const handlesave=async()=>{

    const res = await (await
fetch('https://api.escuelajs.co/api/v1/categories/' + id, {
  method: 'PUT',
  body: JSON.stringify(inputs),
  headers: {
    'Content-Type': 'application/json'
  }
})).json()
    if (res) {
      console.log('successfully updated!')

      handleClose()
    }
    else {
      console.log(res);
    }
  }

  return (
    <>
      <span onClick={handleOpen}>
```

```

        style={{ cursor: 'pointer'}}>
        <NoteAltOutlinedIcon color='success' />
      </span>

      <Modal
        open={open}
        onClose={handleClose}
        aria-labelledby="modal-modal-title"
        aria-describedby="modal-modal-description"
      >
        <Box sx={style}>
          <Typography id="modal-modal-title" variant="h6" component="h2">
            Update Category
          </Typography>
          <hr/>

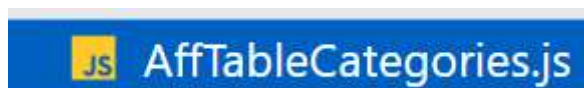
          <div className="mb-4">
            <TextField variant="outlined" value={inputs.name} name="name"
label="Name" onChange={handleChange}/>
          </div>
          <div className="mb-4">
            <TextField variant="outlined" value={inputs.image} name="image"
label="Image" onChange={handleChange}/>
          </div>
          <hr/>
          <div className="mb-3">
            <Button type="button" className="btn btn-success"
onClick={handlesave}>Update</Button>
            <Button type="button" className="btn btn-secondary"
onClick={handleClose}>Close</Button>
          </div>

        </Box>
      </Modal>
    </>
  )
}

export default updateCategory

```

Puis modifier AffTableCategories



```

"use client" ;
import React from 'react';

import MUIDataTable from "mui-datatables";

```



```

import DeleteForeverRoundedIcon from '@mui/icons-
material/DeleteForeverRounded';

import AjoutCategorie from './ajoutCategorie';

import UpdateCategory from './updateCategory';

const affTableCategories=(props)=>{

const [categories,setCategories]=React.useState(props.categories)

//Pour actualiser la liste

const getCategories = async () => {
  const res= await fetch('https://api.escuelajs.co/api/v1/categories')
  const categories = await res.json();
  setCategories(categories)
}

React.useEffect(() => {
  getCategories();

}, [categories]);

const handleDelete=async(id)=>{
  if(window.confirm("supprimer la catégorie O/N")) {
    console.log(id)
    const res=await (await
fetch('https://api.escuelajs.co/api/v1/categories/' + id, {
  method: "DELETE"
})).json();
    if (res) {
      const newCategories = categories.filter((item) => item.id !== id);
      setCategories(newCategories);

    } else {
      console.log(res);
    }
  }
}

const columns = [
  {
    label: "Name",
    name: "name"
  },
  {

```

```

label: "Image",
name: "image",
options: {
  customBodyRender : (rowdata) => (
    <img
      style={{ height: 50, width : 60, borderRadius: '10%' }}
      src= `${rowdata}`
      alt=""
    />
  )
},
{
  name: "id",
  label: "Actions",
  options: {
    customBodyRender: (value,tableMeta) => (
      <div>

        <UpdateCategory categories={categories[tableMeta.rowIndex]}/>

        <span
          onClick={(e) => handleDelete(value)}
          style={{ cursor: 'pointer'}}
        >
          <DeleteForeverRoundedIcon color='error' />
        </span>
      </div>
    )
  }
}
];

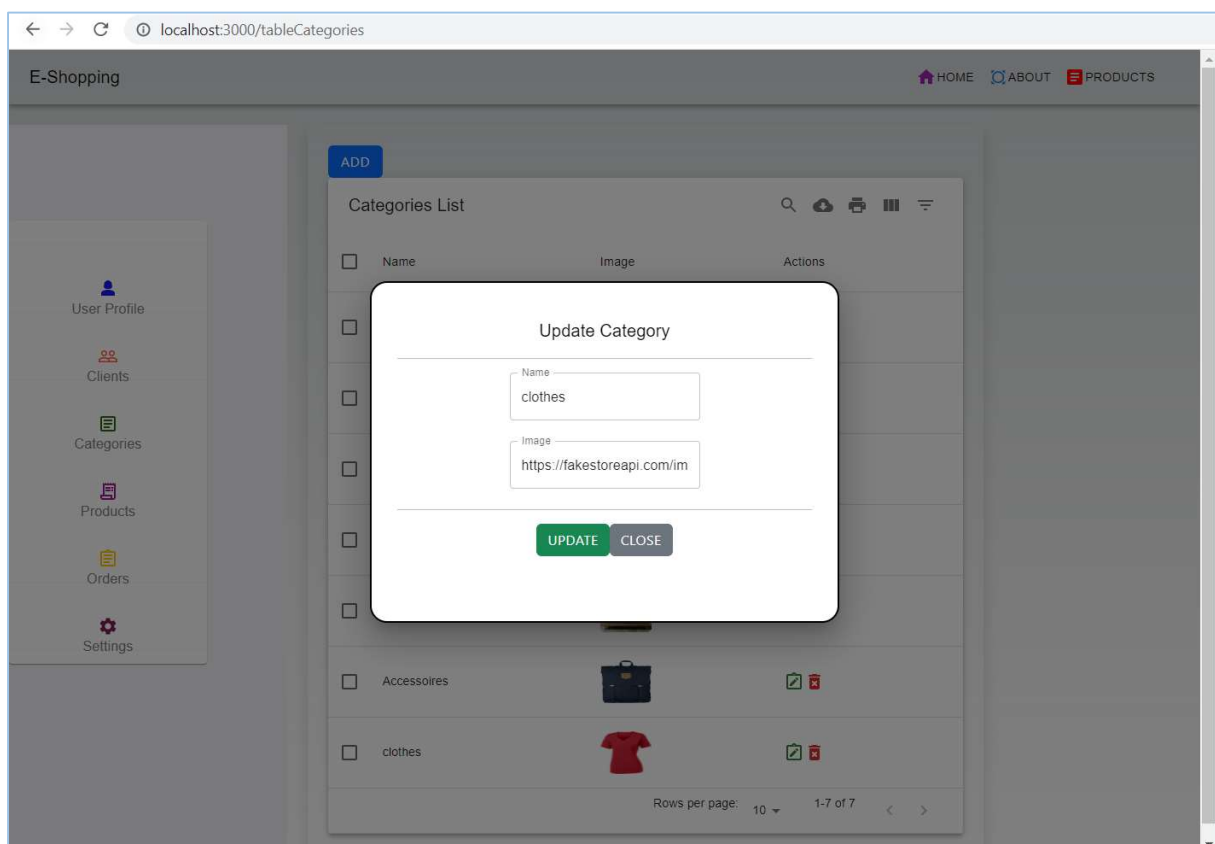
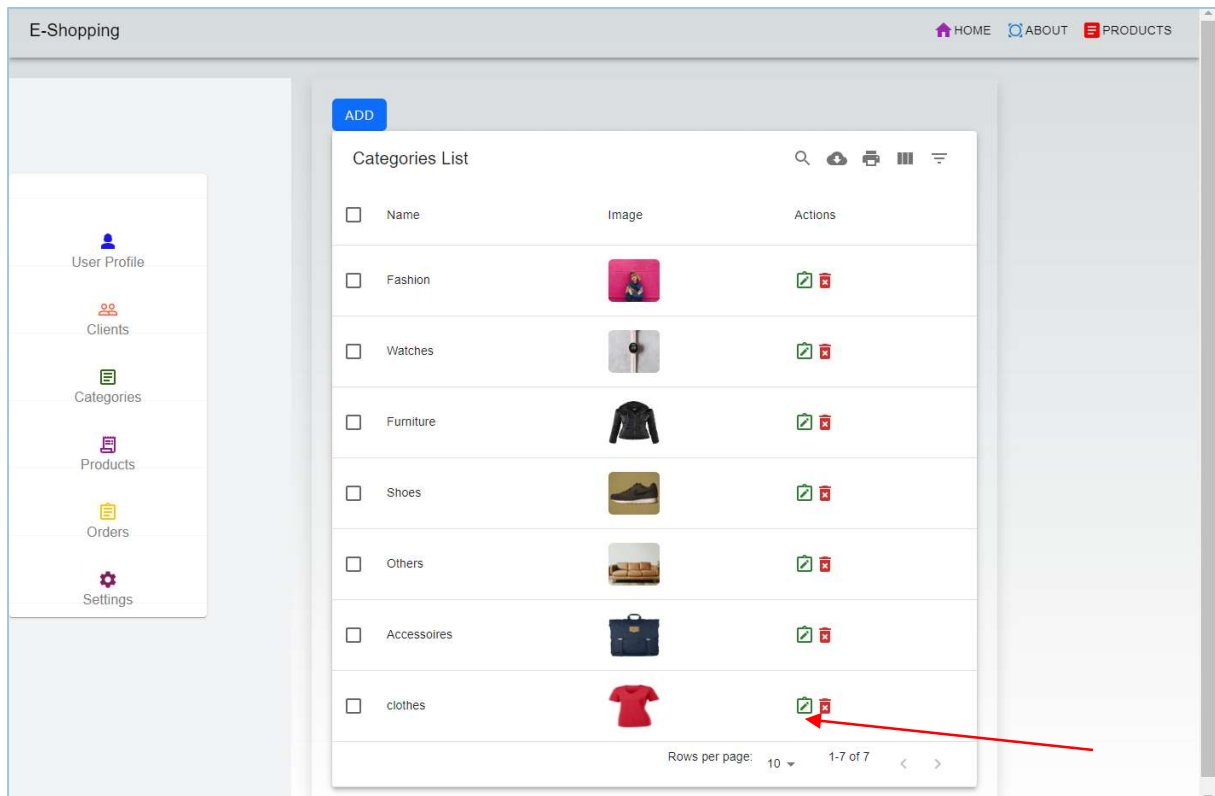
return(
  <>
    <AjoutCategorie />
    {categories  && categories?.length > 0 ?

      <MUIDataTable
        title="Categories List"
        data={categories}
        columns={columns}
      />

      :null}
  </>
)
}

```

```
export default affTableCategories;
```



localhost:3000/tableCategories

E-Shopping

HOME

ABOUT

PRODUCTS

User Profile

Clients

Categories

Products

Orders

Settings

ADD


Categories List

Name


Image

Actions


Fashion




Watches




Furniture




Shoes




Others



Accessoires



Clothes



Rows per page: 10

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