

## Project Development Phase Sprint – 4

### Source Code

<b>Date</b>	18-11 2022
<b>Team ID</b>	PNT2022TMID26204
<b>Project Name</b>	Personal Expense Tracker Application
<b>Marks</b>	8 marks

### DetailsTrack.jsx

```
import React from 'react';
import { Line } from 'react-chartjs-2';
import useTransactions from '../useTransactions';import './detailsTrack.css';

const DetailsTrack = ({ title }) => {

  const { chartDataIncome, chartDataExpense } = useTransactions(title);

  const chartData = (title === 'Income') ? chartDataIncome : chartDataExpense;

  return (
    <div className='chartContainer'>
      <div className={title === 'Income' ? 'incomeChart' : 'expenseChart'} >
        <Line data={chartData} />
      </div>
    </div>
  );
};

export default DetailsTrack;
```

## **detailsTrack.css**

```
.incomeChart {  
  background-color: white;  
  border: 5px solid rgb(147, 147, 147);  
  margin: 20px 200px;  
  padding: 50px;  
  border-radius: 10px;  
}
```

```
.expenseChart {  
  background-color: white;  
  border: 5px solid rgb(147, 147, 147);  
  margin: 20px 200px;  
  padding: 50px;  
  border-radius: 10px;  
}
```

## **Snackbar.jsx**

```
import React from 'react'  
  
import Snackbar from '@mui/material/Snackbar';  
import MuiAlert from '@mui/material/Alert';  
  
const CustomizedSnackbar = ({ title, open, setOpen }) => {  
  
  const handleClose = (event, reason) => {  
    if (reason === 'clickaway') return;  
  }  
}
```

```

    setOpen(false);
  }

  return (
    <div>
      {title === 'list' &&
        <div className='root'>
          <Snackbar
            anchorOrigin={{ vertical: 'top', horizontal: 'right' }}
            open={open}
            autoHideDuration={3000}
            onClose={handleClose}
          >
            <MuiAlert onClose={handleClose} severity="success" elevation={6}
variant="filled" >
              Category successfully Removed
            </MuiAlert>
          </Snackbar>
        </div>
      }
      {title === 'form' &&
        <div className='root'>
          <Snackbar
            anchorOrigin={{ vertical: 'top', horizontal: 'right' }}
            open={open}
            autoHideDuration={3000}
            onClose={handleClose}
          >
            <MuiAlert onClose={handleClose} severity="success" elevation={6}
variant="filled" >
              Category successfully Added

```

```

        </MuiAlert>
      </Snackbar>
    </div>
  }
  {title === 'unfilled' &&
    <div className='root'>
      <Snackbar
        anchorOrigin={{ vertical: 'top', horizontal: 'right' }}
        open={open}
        autoHideDuration={3000}
        onClose={handleClose}
      >
        <MuiAlert onClose={handleClose} severity="warning" elevation={6}
variant="filled" >
          Unfulfilled fields...!!
        </MuiAlert>
      </Snackbar>
    </div>
  }

</div>

);
};

```

```
export default CustomizedSnackbar;
```

## SnackbarStyles.js

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

```
export default makeStyles((theme) => ({
```

```
root: {  
  width: '100%',  
  '& > * + *': {  
    marginTop: theme.spacing(2),  
  },  
},  
));
```

### **snackbar.css**

```
.root {  
  width: 100%;  
}
```

### **categories.js**

```
const incomeColors = ['#123123', '#154731', '#165f40', '#16784f', '#14915f', '#10ac6e',  
  '#0bc77e', '#04e38d', '#00ff9d'];
```

```
const expenseColors = ['#b50d12', '#bf2f1f', '#c9452c', '#d3583a', '#dc6a48', '#e57c58',  
  '#ee8d68', '#f79d79', '#ffae8a', '#cc474b', '#f55b5f'];
```

```
export const incomeCategories = [  
  { type: 'Business', amount: 0, color: incomeColors[0] },  
  { type: 'Investments', amount: 0, color: incomeColors[1] },  
  { type: 'Extra income', amount: 0, color: incomeColors[2] },  
  { type: 'Deposits', amount: 0, color: incomeColors[3] },  
  { type: 'Lottery', amount: 0, color: incomeColors[4] },  
  { type: 'Gifts', amount: 0, color: incomeColors[5] },  
  { type: 'Salary', amount: 0, color: incomeColors[6] },  
  { type: 'Savings', amount: 0, color: incomeColors[7] },  
  { type: 'Rental income', amount: 0, color: incomeColors[8] },  
];
```

```
export const expenseCategories = [  
  { type: 'Bills', amount: 0, color: expenseColors[0] },  
  { type: 'Car', amount: 0, color: expenseColors[1] },  
  { type: 'Clothes', amount: 0, color: expenseColors[2] },  
  { type: 'Travel', amount: 0, color: expenseColors[3] },  
  { type: 'Food', amount: 0, color: expenseColors[4] },  
  { type: 'Shopping', amount: 0, color: expenseColors[5] },  
  { type: 'House', amount: 0, color: expenseColors[6] },  
  { type: 'Entertainment', amount: 0, color: expenseColors[7] },  
  { type: 'Phone', amount: 0, color: expenseColors[8] },  
  { type: 'Pets', amount: 0, color: expenseColors[9] },  
  { type: 'Other', amount: 0, color: expenseColors[10] },  
];
```

```
export const resetCategories = () => {  
  incomeCategories.forEach((c) => c.amount = 0);  
  expenseCategories.forEach((c) => c.amount = 0);  
};
```

### **formatDate.js**

```
const formatDate = (date) => {  
  const d = new Date(date);  
  
  let month = `${d.getMonth() + 1}`;  
  let day = `${d.getDate()}`;  
  const year = d.getFullYear();  
  
  if (month.length < 2) {  
    month = `0${month}`;  
  }  
}
```

```
    if (day.length < 2) {  
        day = `0${day}`;  
    }  
  
    return [year, month, day].join('-');  
}
```

```
export default formatDate;
```

### **main.py**

```
import flask  
  
from flask import Flask, render_template  
  
import ibm_db
```

```
app = Flask("__main__")
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-  
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=  
SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=hln67748;PWD=yRDx30Fb0x6  
kA8Db",",")
```

```
@app.route("/")
```

```
def my_index():  
    return flask.render_template("index.html", token="Hello World")
```

```
app.run(debug=True)
```