Team Budget Planner.

DESCRIPTION

Project objective:

As a developer, write a program using JavaScript to decide the budget of a specific team.

Background of the problem statement:

As a developer, you are assigned to a project. You need to develop a website where program managers of a specific team will add details of professional deals they want to have with vendors. The finance team will check expenses of those teams and will decide their annual budget.

SOURCECODE:

```
.App {
text-align: center;
}
.App-logo {
height: 40vmin;
pointer-events: none;
}
@media (prefers-reduced-motion: no-preference) {
.App-logo {
animation: App-logo-spin infinite 20s linear;
}
}
.App-header {
background-color: #282c34;
min-height: 100vh;
display: flex;
flex-direction: column;
align-items: center;
justify-content: center;
font-size: calc(10px + 2vmin);
color: white;
}
.App-link {
color: #61dafb;
}@keyframes App-logo-spin {
from {
```

```
transform: rotate(0deg);
}
to {
transform: rotate(360deg);
}
}


import './App.css';
import vendors from "./vendors.json";
var allvendors = '';
if(JSON.parse(localStorage.getItem("vendorsUpdate")).len
gth > vendors.length)
allvendors =
JSON.parse(localStorage.getItem("vendorsUpdate"));
else
allvendors = vendors;
var vendorsTemp = []
for(let i = 0; i < allvendors.length; i++)
{
if(allvendors[i] !== null)
vendorsTemp.push(allvendors[i])
}
allvendors = vendorsTemp function App() {
return (
<div className="App">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/cs
s/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/
dAiS6JXm" crossorigin="anonymous"></link>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/
bootstrap.min.js"></script>
<div class="d-flex justify-content-center">
<div class="w-75 p-3">
```

```
<div class="jumbotron jumbotron-fluid">
<div>
<div class="alert alert-light"
role="alert">
<h1 className="display-2">Product
Manager Page</h1>
</div>
<hr/>
<h1 className="display-4">View</h1>
<p className="lead">View all vendor
information here</p>
<h4>Vendors:</h4>
<ul>
{allvendors.map(s => (
<div><p className="lead"> {s.id}:
{s.vendor_name} </p></div>

))}
</ul>
<hr/>
<h1 className="display-4">Add</h1>
<p className="lead">Add a new vendor
here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">@</div>
</div>
<input type="text" class="form
control" placeholder="Vendor Name"
id="vendorName"></input>
</div>
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">@</div>
```

```
</div>
<input type="text" class="form
control" placeholder="Project Name"
id="projectName"></input>
</div>
<br></br>
<button type="submit" class="btn btn
secondary" onClick={add}>Submit</button>
</form>
<hr/>
<h1 className="display-4">Edit</h1><p
className="lead">Edit an existing
vendor here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">#</div>
</div>
<input type="number" class="form
control" placeholder="Vendor ID" id="idEdit"></input>
</div>
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">@</div>
</div>
<input type="text" class="form
control" placeholder="Vendor Name"
id="vendorEdit"></input>
</div>
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">@</div>
</div>
```

```
<input type="text" class="form
control" placeholder="Project Name"
id="projectEdit"></input>
</div>
<br></br><button type="submit" class="btn btn
secondary" onClick={edit}>Submit</button>
</form>
<hr/>
<h1 className="display-4">Delete</h1>
<p className="lead">Delete an existing
vendor here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group-prepend">
<div class="input-group
text">#</div>
</div>
<input type="number" class="form
control" placeholder="Vendor ID" id="idDelete"></input>
</div>
<br></br>
<button type="submit" class="btn btn
secondary" onClick={del}>Submit</button>
</form>
</div>
</div>
</div>
</div>
</div>
);
}
function add(){ const vendor =
document.getElementById('vendorName').value
const project =
document.getElementById('projectName').value
console.log(vendor);
```

```
console.log(project);
const newVendor = {
"id" : allvendors.length,
"vendor_name" : vendor,
"project_name" : project,
"project_cost" : null
}
//console.log(file.get());
allvendors.push(newVendor);
localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))
}
function edit(){
const id = document.getElementById('idEdit').value
const vendor =
document.getElementById('vendorEdit').value
const project =
document.getElementById('projectEdit').value
if(allvendors.length >= id)
{
allvendors[id].vendor_name = vendor;
allvendors[id].project_name = project;
}localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))
console.log(allvendors)
}
function del(){
var id = document.getElementById('idDelete').value
if(allvendors.length >= id)
{
delete allvendors[id]
}
console.log(allvendors)
localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))
}
```

```
export {allvendors};
export default App;
```

```
import { render, screen } from '@testing-library/react';
import App from './App';
test('renders learn react link', () => {
render(<App />);
const linkElement = screen.getByText(/learn react/i);
expect(linkElement).toBeInTheDocument();
});
```

```
import './App.css';
import {allvendors} from './App';
function finance() {
return (
<div className="App">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/cs
s/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/
dAiS6JXm" crossorigin="anonymous"></link>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/
bootstrap.min.js"></script>
<div class="d-flex justify-content-center">
<div class="w-75 p-3">
<div class="jumbotron jumbotron-fluid">
<div class="alert alert-light"
role="alert">
<h1 className="display-
2">Finance Page</h1>
</div>
<hr/>
<h1 className="display-4">View</h1>
```

```
<p className="lead">View all project
information here</p>
<h4>Projects:</h4>
<p>ID: Project Name - Company -
Cost</p><ul>
{allvendors.map(s => (
<div><p className="lead">
{s.id}: {s.project_name} - {s.vendor_name} -
${s.project_cost}</p></div>
))}
</ul>
<hr/>
<h1 className="display-4">Add</h1>
<p className="lead">Add a new
project here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">@</div>
</div>
<input type="text"
class="form-control" placeholder="Vendor Name"
id="vendorName"></input>
</div>
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">@</div>
</div><input type="text"
class="form-control" placeholder="Project Name"
id="projectName"></input>
</div>
<div class="input-group">
```

```
<div class="input-group
prepend">
<div class="input-group
text">$</div>
</div>
<input type="text"
class="form-control" placeholder="Edit Cost"
id="cost"></input>
</div>
<br></br>
<button type="submit" class="btn
btn-secondary" onClick={add}>Submit</button>
</form>
<hr/>
<h1 className="display-4">Edit</h1>
<p className="lead">Edit an existing
project here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">#</div>
</div><input type="number"
class="form-control" placeholder="Vendor ID"
id="idEdit"></input>
</div>
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">@</div>
</div>
<input type="text" class="form
control" placeholder="Project Name"
id="projectEdit"></input>
```

```
</div>
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">$</div>
</div>
<input type="text" class="form
control" placeholder="Edit Cost" id="costEdit"></input>
</div>
<br></br>
<button type="submit" class="btn
btn-secondary" onClick={edit}>Submit</button>
</form>
<hr/><h1 className="display-
4">Delete</h1>
<p className="lead">Delete an
existing project here</p>
<form class="w-50 mx-auto">
<div class="input-group">
<div class="input-group
prepend">
<div class="input-group
text">#</div>
</div>
<input type="number"
class="form-control" placeholder="Project ID"
id="idDelete"></input>
</div>
<br></br>
<button type="submit"
class="btn btn-secondary" onClick={del}>Submit</button>
</form>
</div>
</div>
</div>
```

```
</div>
);
}
function add()
{
const vendor =
document.getElementById('vendorName').valueconst project
=
document.getElementById('projectName').value
const cost = document.getElementById('cost').value
const newProject = {
"id" : allvendors.length,
"vendor_name" : vendor,
"project_name" : project,
"project_cost" : cost
}
//console.log(file.get());
allvendors.push(newProject);
localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))
}
function edit()
{
const id = document.getElementById('idEdit').value
const cost =
document.getElementById('costEdit').value
const project =
document.getElementById('projectEdit').value
if(allvendors.length >= id)
{
allvendors[id].project_cost = cost;
allvendors[id].project_name = project;
}
localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))}
function del()
```

```
{
var id = document.getElementById('idDelete').value
if(allvendors.length >= id)
{
delete allvendors[id]
}
localStorage.setItem("vendorsUpdate",
JSON.stringify(allvendors))
}
export default finance;
```

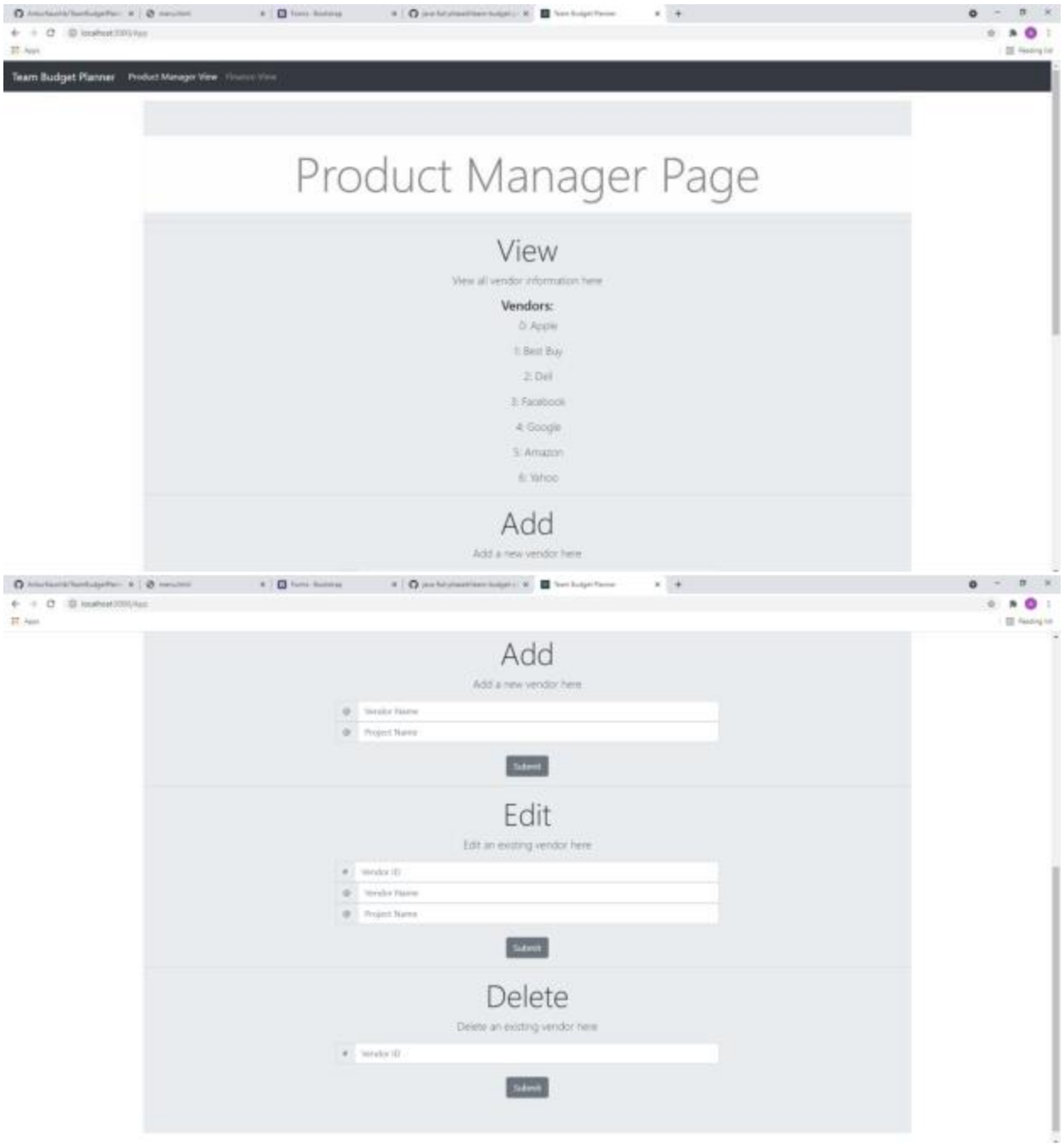
```
body {
margin: 0;
font-family: -apple-system, BlinkMacSystemFont, 'Segoe
UI', 'Roboto', 'Oxygen',
'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans',
'Helvetica Neue',
sans-serif;
-webkit-font-smoothing: antialiased;
-moz-osx-font-smoothing: grayscale;
}code {
font-family: source-code-pro, Menlo, Monaco, Consolas,
'Courier New',
monospace;}}
```

```
import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
import finance from './finance';
import reportWebVitals from './reportWebVitals';
import { BrowserRouter as Router } from 'react-router
dom';
import { Routes } from './routes';
```

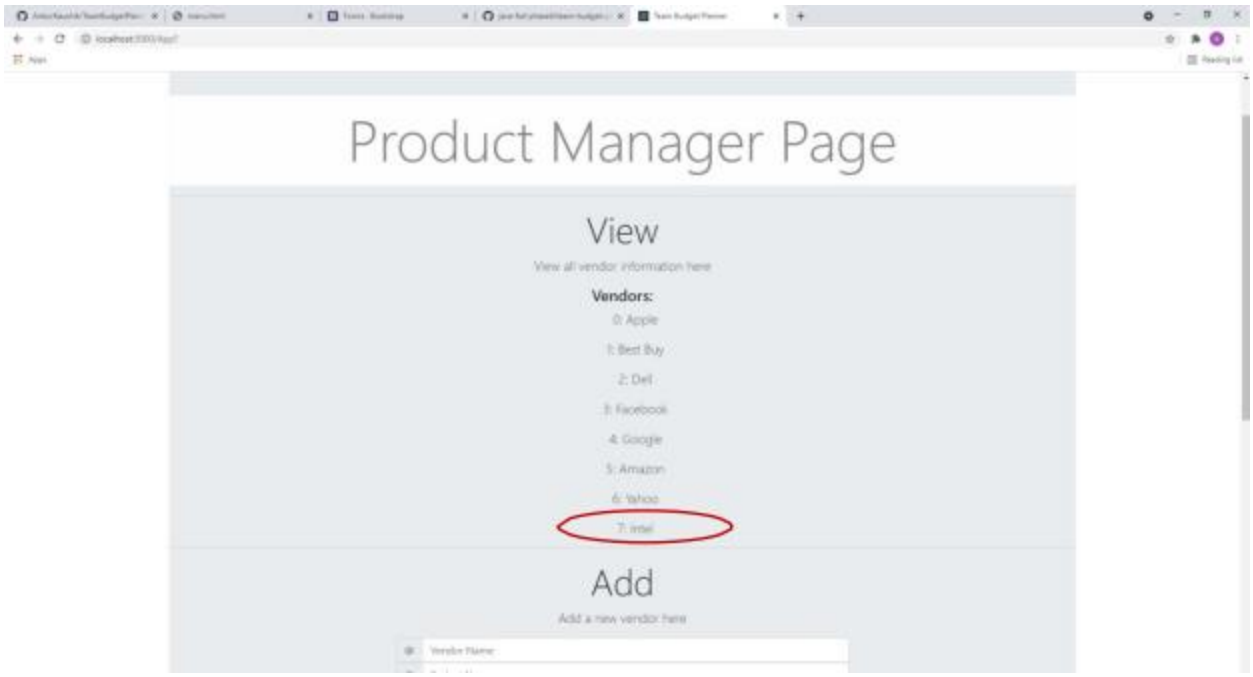
```
ReactDOM.render(
<Router>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/cs
s/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/
dAiS6JXm" crossorigin="anonymous"></link>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/
bootstrap.min.js"></script>
<nav className="navbar navbar-expand navbar-dark bg
dark">
<a className="navbar-brand" href="/">Team Budget
Planner</a>
<div class="container-fluid">
<div className="navbar-nav">
<a className="nav-link active"
href="/">Product Manager View</a>
<a className="nav-link"
href="/finance">Finance View</a></div>
</div>
</nav>
<Routes />
</Router>,
document.getElementById('root')
);
// If you want to start measuring performance in your
app, pass a function
// to log results (for example:
reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more:
https://bit.ly/CRA-vitals
reportWebVitals();
```

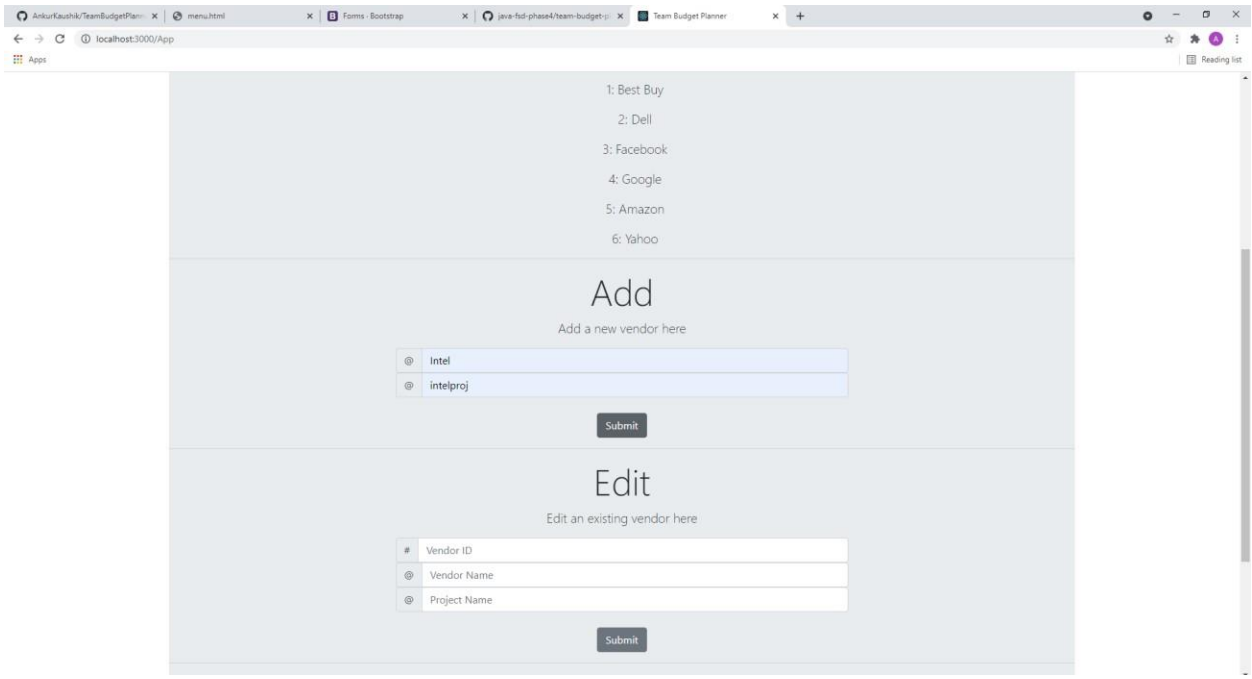
OUTPUT:

HOME PAGE

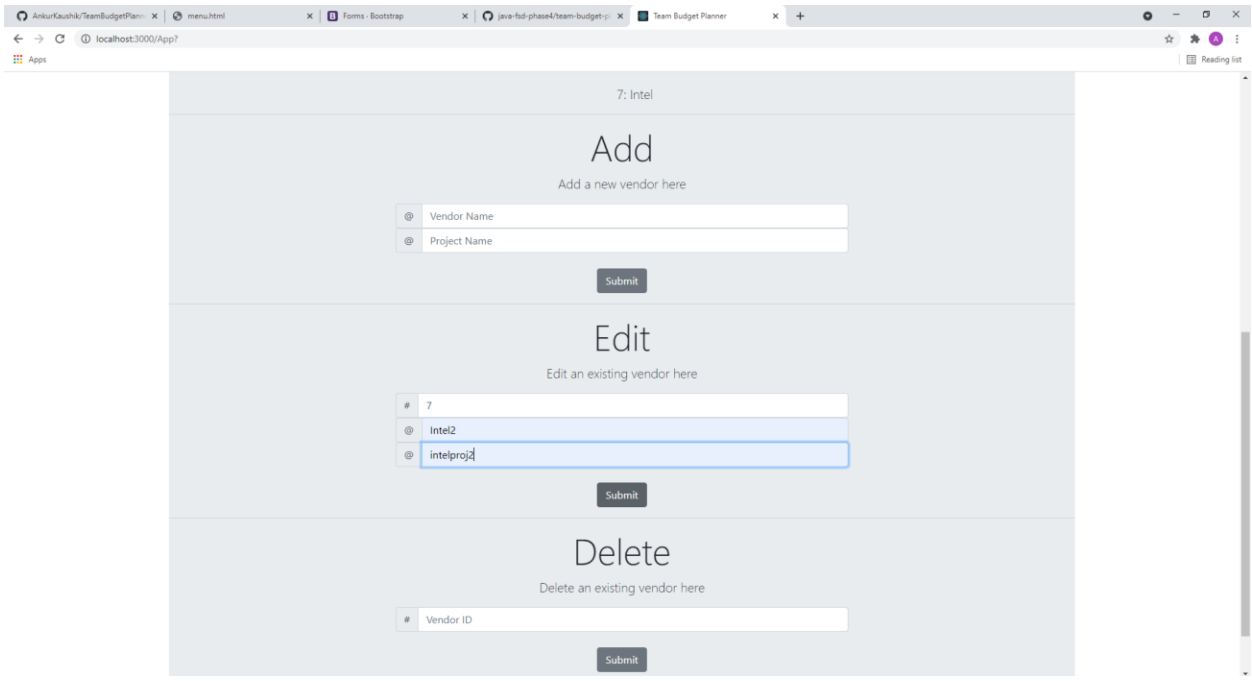


Adding a vendor

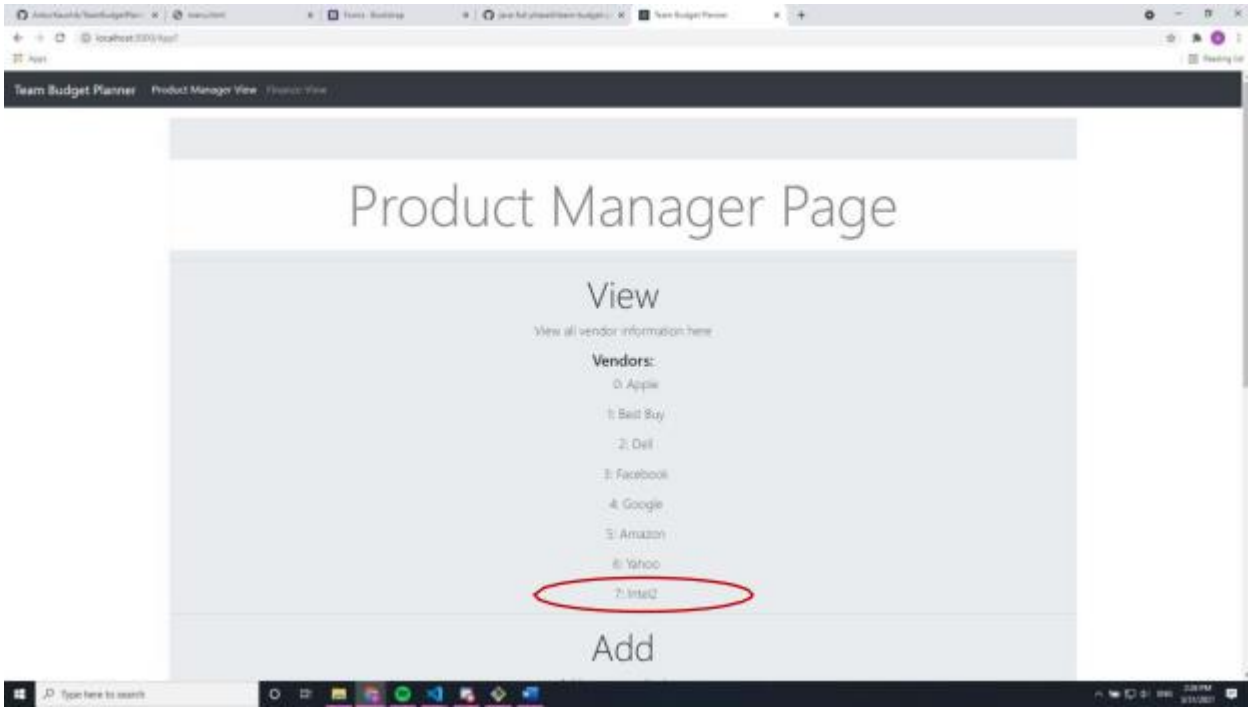




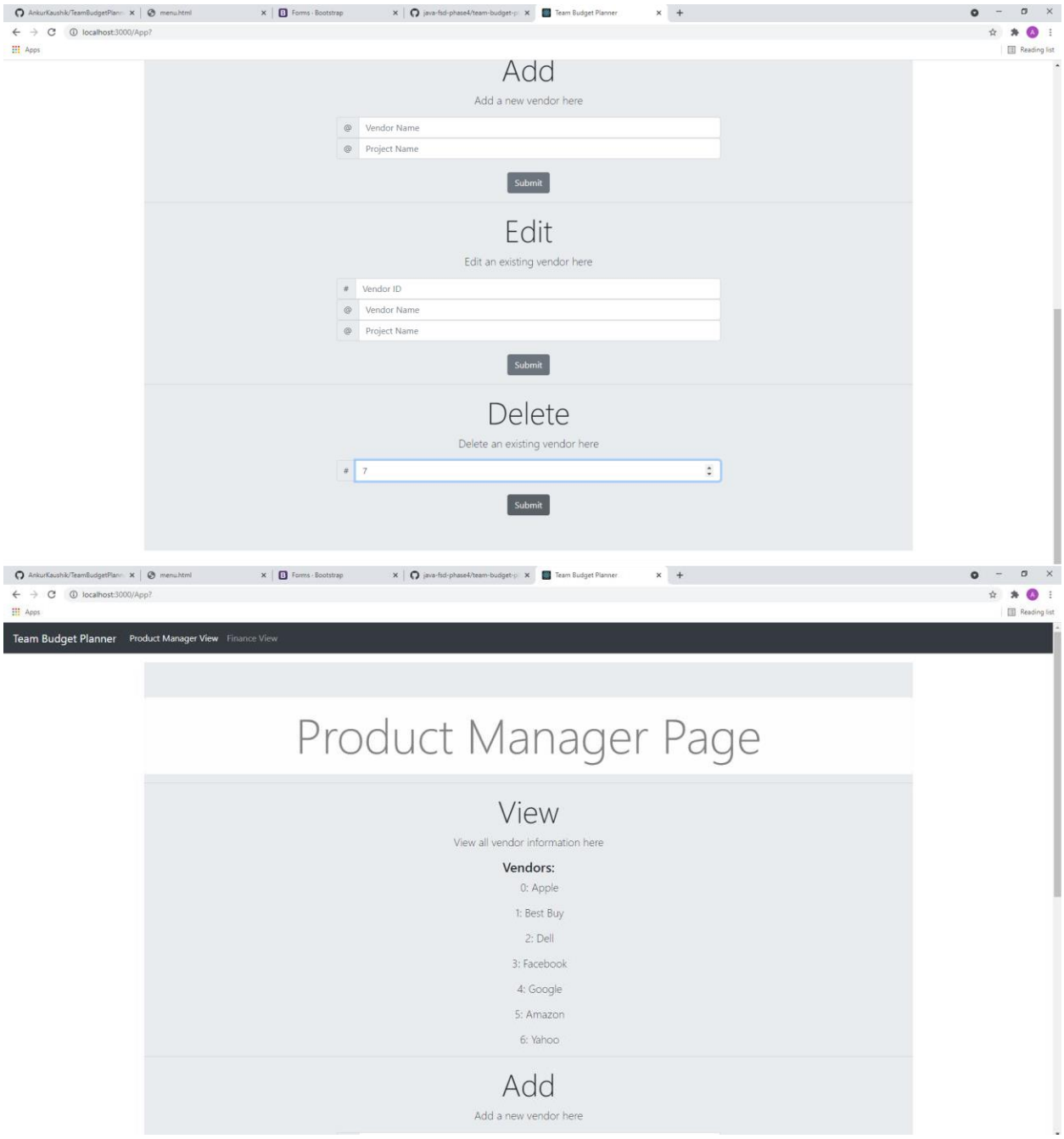
Edit project



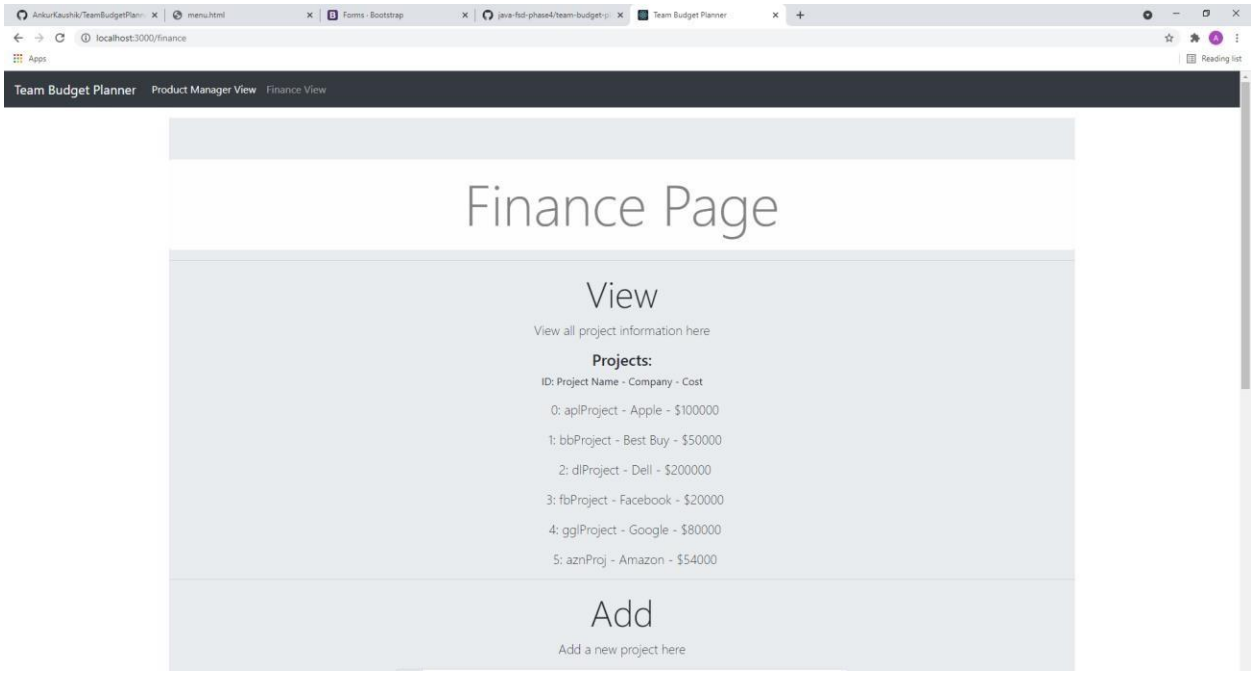
Updated successfully

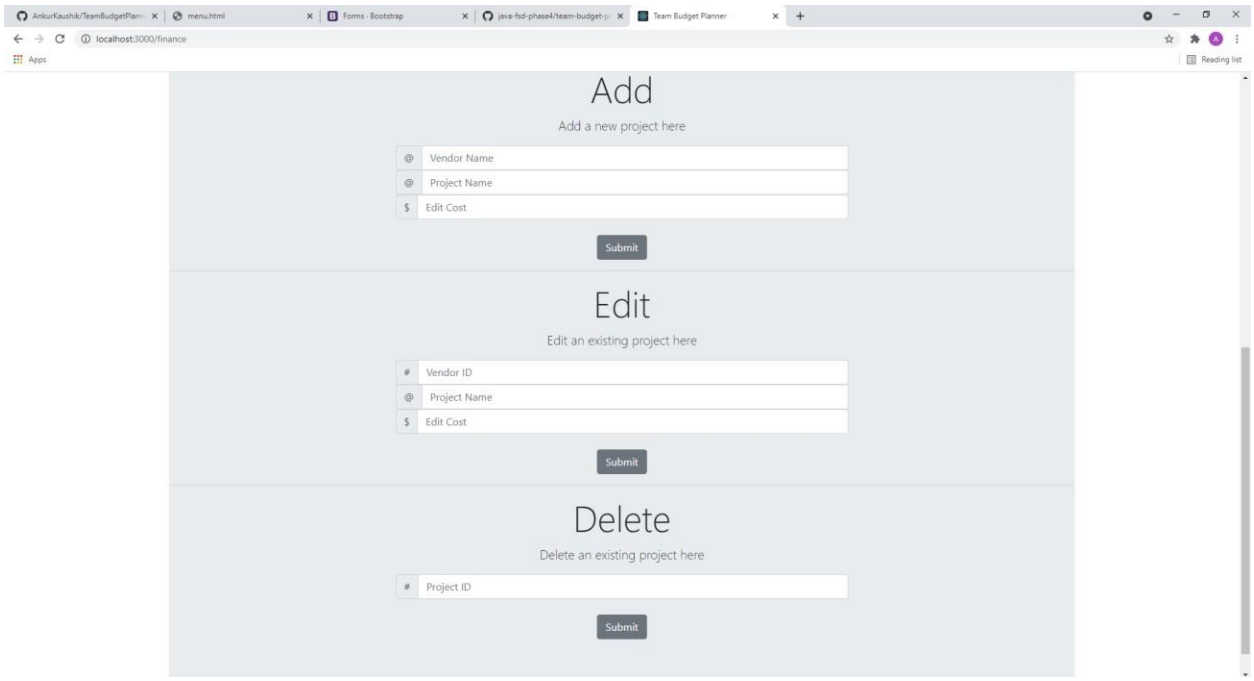


Delete a project

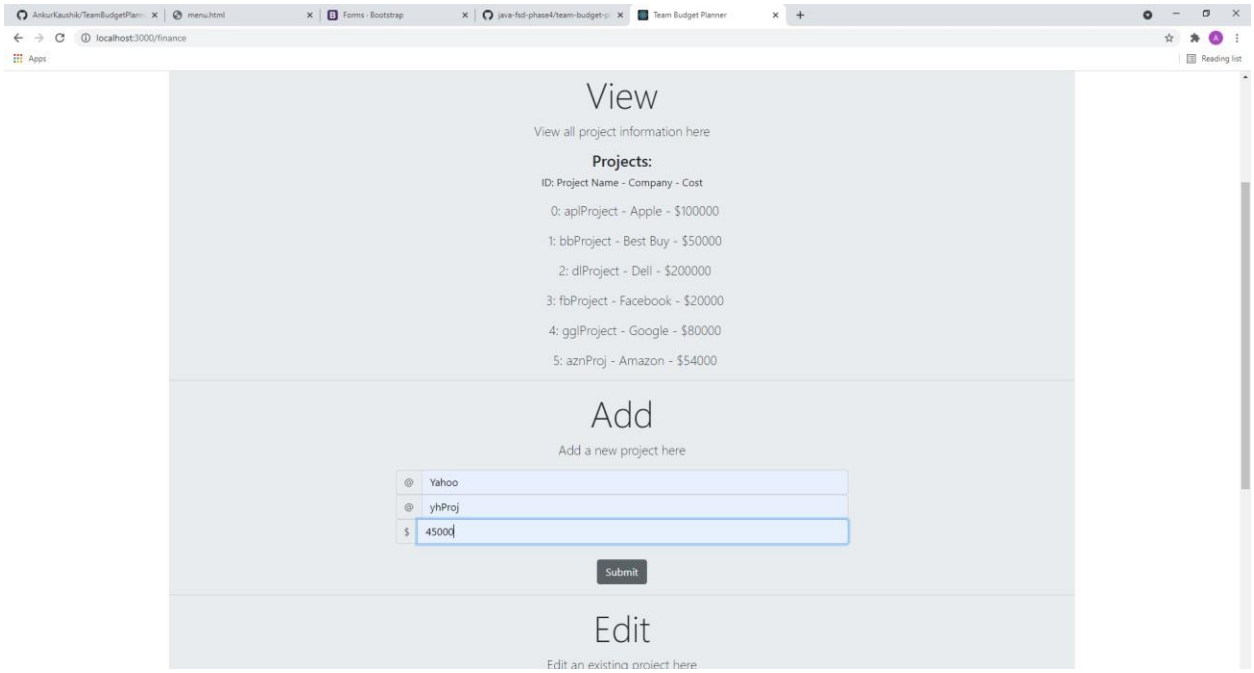


Finance page

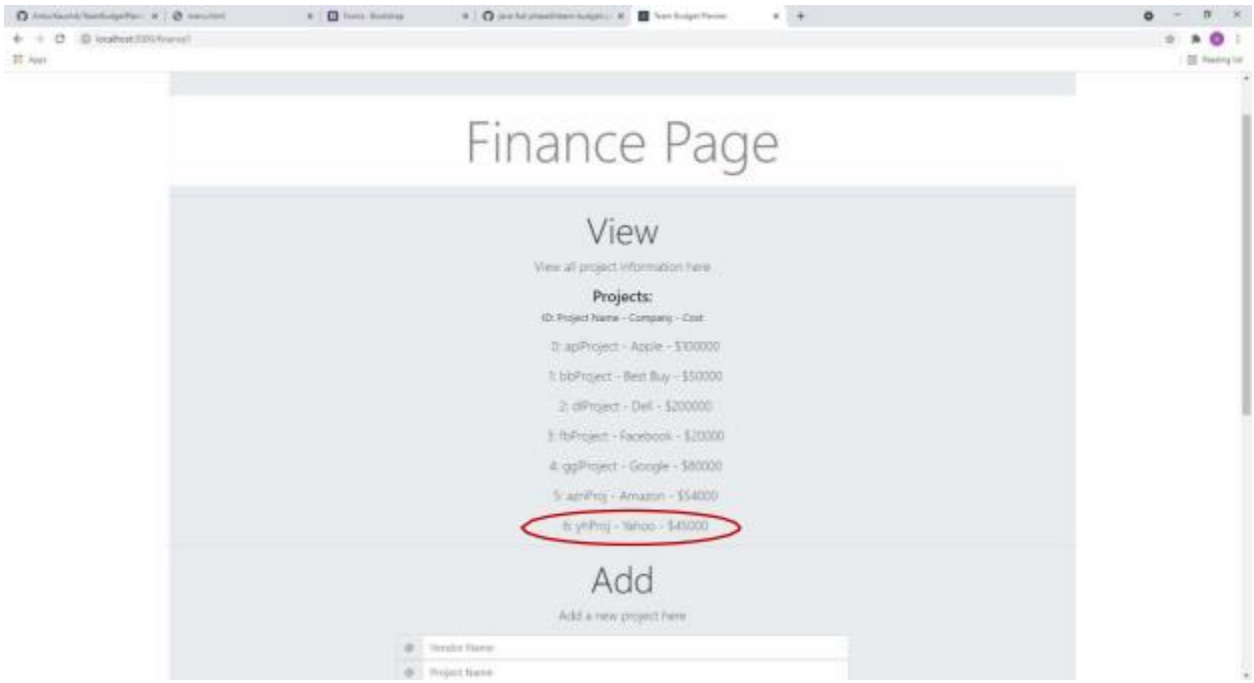




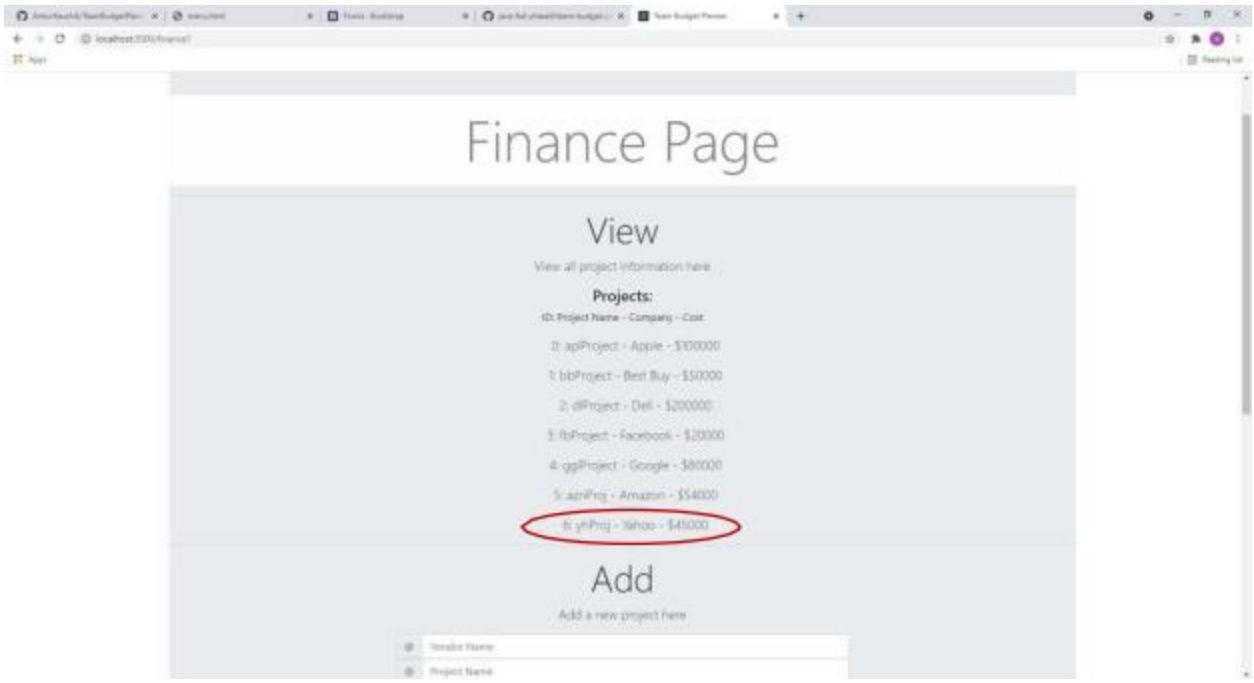
Adding aproject



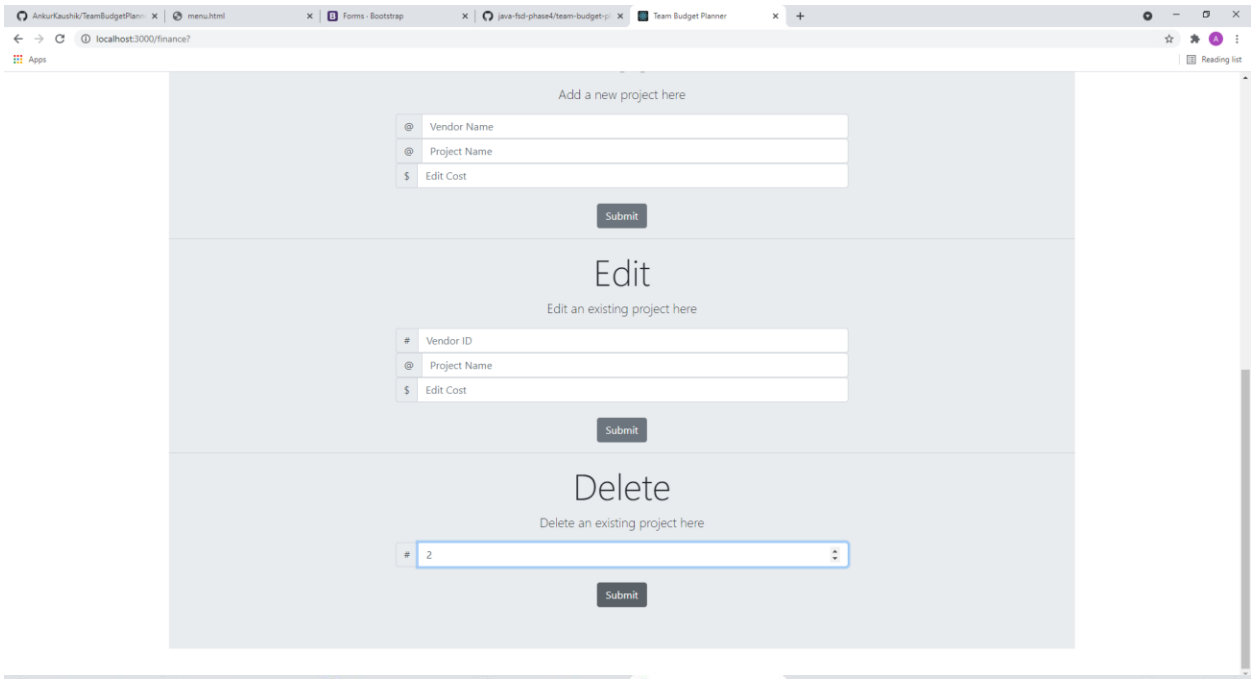
Successfully added

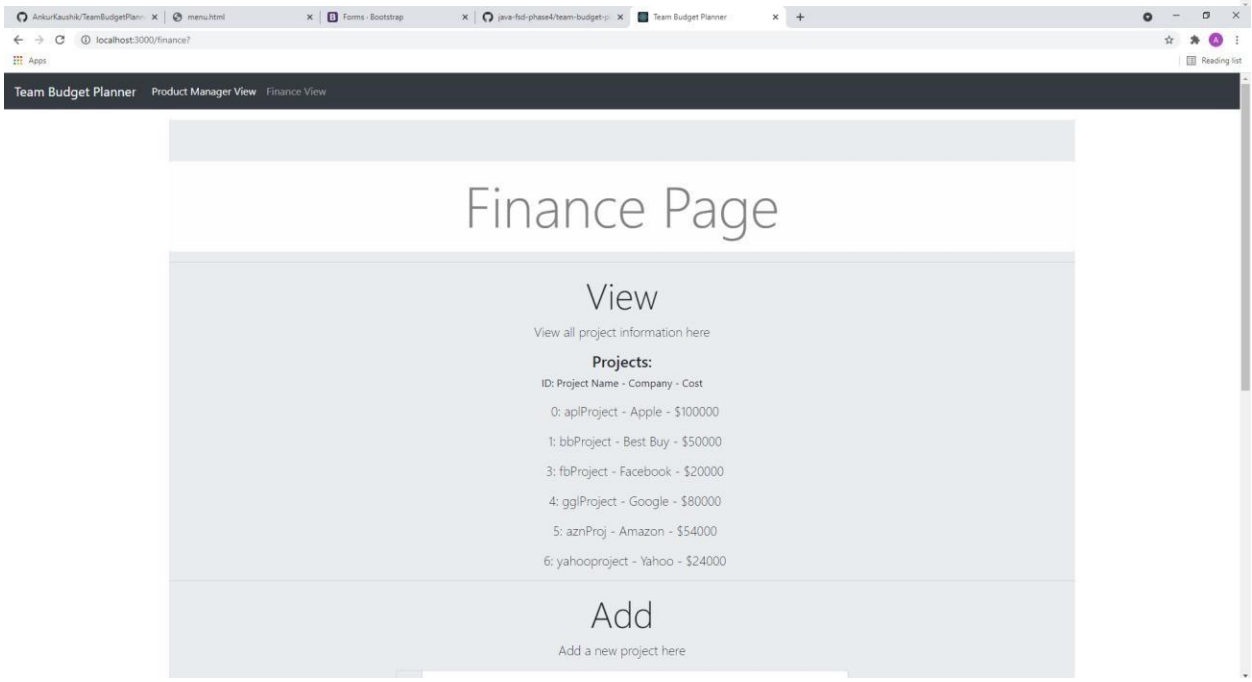


Edit project



Delete project


Add a new project here
@ Vendor Name
@ Project Name
$ Edit Cost
Submit
Edit
Edit an existing project here
Vendor ID
@ Project Name
$ Edit Cost
Submit
Delete
Delete an existing project here
2
Submit


Team Budget Planner
Product Manager View
Finance View
Finance Page
View
View all project information here
Projects:
ID: Project Name - Company - Cost
0: aplProject - Apple - $100000
1: bbProject - Best Buy - $50000
3: fbProject - Facebook - $20000
4: gglProject - Google - $80000
5: aznProj - Amazon - $54000
6: yahooproject - Yahoo - $24000
Add
Add a new project here