Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)
CHENNAI

WEB PROGRAMMING LAB

BCSE203E

SLOT: L11 + L12 + L19 + L20

LAB MANUAL

Exercise 9

Date: 01-04-2025

GITHUB REPO LINK:

https://github.com/divyanshupatel17/23BAI1214_WEB_LAB

WEB PROG LAB PORTFOLIO:

https://23bai1214-divyanshu-web-v0.netlify.app/

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1. Profile Card

```
========== index.html ==========
<!doctype html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <link rel="icon" type="image/svg+xml" href="/vite.svg" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Profile Card Project</title>
  </head>
  <body>
    <div id="root"></div>
    <script type="module" src="/src/main.jsx"></script>
  </body>
</html>


========== src/main.jsx ==========
import { StrictMode } from 'react'
import { createRoot } from 'react-dom/client'
import './index.css'
import App from './App.jsx'

createRoot(document.getElementById('root')).render(
  <StrictMode>
    <App />
  </StrictMode>,
)


========== src/App.jsx ==========
import React from 'react'
import './App.css'
import ProfileCard from './components/ProfileCard'
import profilesData from './data/profileData'

function App() {
  return (
    <div className="app-container">
      <div className="cards-grid">
        {profilesData.map((profile, index) => (
          <ProfileCard key={index} profileData={profile} />
        ))}
      </div>
    </div>
  )
}


export default App
```

```
========== src/App.css ==========
#root {
  width: 100%;
  margin: 0 auto;
  padding: 2rem;
  text-align: center;
}

.app-container {
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 100vh;
  background-color: #f8f8f8;
  width: 100%;
}

.cards-grid {
  display: flex;
  flex-wrap: wrap;
  justify-content: center;
  width: 100%;
  max-width: 1200px;
  margin: 0 auto;
}

@media (max-width: 1200px) {
  .cards-grid {
    max-width: 960px;
  }
}

@media (max-width: 980px) {
  .cards-grid {
    max-width: 720px;
  }

  .profile-card {
    flex: 0 0 calc(33.333% - 1.5rem) !important;
  }
}

@media (max-width: 768px) {
  #root {
    padding: 1rem;
  }

  .cards-grid {
    max-width: 540px;
  }

  .profile-card {
    flex: 0 0 calc(50% - 1.5rem) !important;
  }
}
```

```css
}

@media (max-width: 576px) {
  .cards-grid {
    max-width: 100%;
  }

  .profile-card {
    flex: 0 0 calc(100% - 1.5rem) !important;
    max-width: 300px;
  }
}


========== src/index.css ==========
:root {
  font-family: system-ui, Avenir, Helvetica, Arial, sans-serif;
  line-height: 1.5;
  font-weight: 400;
  color: #213547;
  background-color: #ffffff;
}

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  margin: 0;
  padding: 0;
  min-width: 320px;
  min-height: 100vh;
}


========== src/components/ProfileCard.jsx ==========
import React from 'react';
import './ProfileCard.css';

const ProfileCard = ({ profileData }) => {
  const { name, designation, about, imageUrl } = profileData;

  return (
    <div className="profile-card">
      <img
        src={imageUrl}
        alt={`${name}'s profile`}
        className="profile-image"
      />
      <h2 className="profile-name">{name}</h2>
      <p className="profile-designation">{designation}</p>
      <p className="profile-about">{about}</p>
    </div>
  );
```

```
};

export default ProfileCard;

========= src/components/ProfileCard.css =========
.profile-card {
  width: 100%;
  max-width: 250px;
  padding: 1.5rem;
  background-color: rgb(177, 120, 246);
  border-radius: 12px;
  box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
  text-align: center;
  margin: 0.75rem;
  display: flex;
  flex-direction: column;
  align-items: center;
  flex: 0 0 calc(25% - 1.5rem);
  box-sizing: border-box;
}

.profile-image {
  width: 100px;
  height: 100px;
  border-radius: 50%;
  margin: 0 auto 1rem;
  object-fit: cover;
  display: block;
}

.profile-name {
  font-size: 1.3rem;
  font-weight: 600;
  margin-bottom: 0.25rem;
  color: #333;
}

.profile-designation {
  font-size: 0.9rem;
  color: #666;
  margin-bottom: 1rem;
}

.profile-about {
  font-size: 0.85rem;
  line-height: 1.5;
  color: #555;
  margin-bottom: 0.5rem;
}

@media (max-width: 480px) {
  .profile-card {
    padding: 1rem;
    max-width: 200px;
```

```css
    margin: 0.5rem;
  }

  .profile-image {
    width: 80px;
    height: 80px;
  }

  .profile-name {
    font-size: 1.1rem;
  }
}
```

========== src/data/profileData.js ==========
```js
import meImage from '../assets/me.jpg';

// Single profile data to be used for all cards
const profileData = {
  name: "Divyannshu Patel",
  designation: "Web Developer",
  about: "Passionate about creating beautiful and functional web applications with React.",
  imageUrl: meImage
};

// Create an array of 8 identical profiles
const profilesData = Array(8).fill(profileData);

export default profilesData;
```

========== package.json ==========
```json
{
  "name": "vite-react-app",
  "private": true,
  "version": "0.0.0",
  "type": "module",
  "scripts": {
    "dev": "vite",
    "build": "vite build",
    "lint": "eslint .",
    "preview": "vite preview"
  },
  "dependencies": {
    "react": "^19.0.0",
    "react-dom": "^19.0.0"
  },
  "devDependencies": {
    "@eslint/js": "^9.21.0",
    "@types/react": "^19.0.10",
    "@types/react-dom": "^19.0.4",
    "@vitejs/plugin-react": "^4.3.4",
    "eslint": "^9.21.0",
    "eslint-plugin-react-hooks": "^5.1.0",
    "eslint-plugin-react-refresh": "^0.4.19",
```

```
      "globals": "^15.15.0",
      "vite": "^6.2.0"
    }
}


========== vite.config.js ==========
import { defineConfig } from 'vite'
import react from '@vitejs/plugin-react'

// https://vitejs.dev/config/
export default defineConfig({
  plugins: [react()],
})
```

OUTPUT: