

Assignment 3 - Screenshots

Name : Pansuriya Jay L.

Roll : 70

Div : A

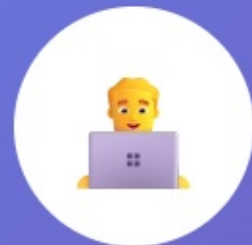
Subject : Full Stack

Assignment : 3

M.Sc-IT : 7th Sem



React Components - CDN Approach



John Doe

john.doe@example.com

1234

Followers

567

Following

89

Posts



My Todo List

Add Task

Learn React with CDN

Delete

Create awesome components

Delete

aaaaa

Delete

test

Delete

Completed: 0 / 4 tasks



React Vite Application

Complete demonstration of React concepts with Bootstrap & Router



Conditional Rendering

Dynamic UI based on conditions



Lists & Nested Components

Rendering lists and nested structures



Children/Containment

Component composition patterns



Forms (useState/useRef)

Form handling with hooks



Digital Clock

Live clock using useEffect



Live Validation

Real-time form validation



Data Filter

Live filtering of data



CRUD Operations

Full CRUD with Express API



Project Features

- ✓ Vite-based React application
- ✓ Bootstrap 5 integration
- ✓ React Router for navigation
- ✓ Function components with hooks

1. Login/Dashboard Conditional Rendering

✓ **Welcome, John Doe!**

You are successfully logged in as Administrator

Logout

2. Toggle Details (using && operator)

Show Details

3. Status-based Rendering

Simulate Loading

4. Theme Toggle (Ternary Operator)

Switch to Dark Theme

Current Theme: ☀️ **Light**

This card's style changes based on the selected theme

5. Multiple Conditions

Status: Online ●

User: John Doe

Theme: light

2. Nested Components (Grouped Products)

Electronics

Laptop

Electronics

Stock: 5

\$999

Add to Cart

Mouse

Electronics

Stock: 15

\$29

Add to Cart

Keyboard

Electronics

Stock: 10

\$79

Add to Cart

Clothing

T-Shirt

Clothing

Stock: 20

\$19

Add to Cart

Jeans

Clothing

Stock: 12

\$49

Add to Cart

Sneakers

Clothing

Stock: 8

\$89

Add to Cart

Home

Coffee Maker

Home

Stock: 7

\$59

Add to Cart

Blender

Home

Stock: 0

\$39

Add to Cart

Toaster

Home

Stock: 14

\$25

Add to Cart

3. Nested Comments (Recursive)

Comments Section



Charlie
How is the battery life?
30 mins ago



Diana
Thanks for the review!
45 mins ago



Eve
Does it come with warranty?
3 hours ago



Frank
Yes, 1 year manufacturer warranty.
2 hours ago

4. Cart Items (Dynamic List)

#	Product	Category	Price
1	Laptop	Electronics	\$999
2	Mouse	Electronics	\$29
3	Keyboard	Electronics	\$79
Total:			\$1107

1. Basic Card Component with Children

Welcome Card

This is content passed as children to the Card component.

You can pass any JSX elements as children!

Click Me

Information

- Item 1
- Item 2
- Item 3

2. Alert Box with Children

✔ **Success!** Your operation completed successfully.

⚠ **Warning!** Please review your input.

✖ **Error!** Something went wrong.

- Check your network connection
- Verify your credentials

3. Tabs Component with Children

Home

Profile

Settings

Home Tab Content

This is the home tab content. It demonstrates how children can be organized in tabs.

Open Modal

5. Panel with Header, Body, and Footer

Panel Header

New

Panel Body Content

This panel demonstrates multiple "slots" using props.

The header, body (children), and footer are all customizable!

Cancel

Save

6. Layout Component with Sidebar

Sidebar Menu

Dashboard

Profile

Settings

Documents

Main Content Area

This is the main content area. The sidebar is passed as a prop, while this content is passed as children.

This pattern is useful for layouts where you have fixed regions (like sidebar) and dynamic content.

7. Nested Containment

Outer Card

This demonstrates nested containment:

Inner Card 1

Content of inner card 1

Inner Card 2

Forms using useState & useRef

1. Controlled Form (useState)

Name

Email

Password

Country

India

Gender

☒ Male
 ☐ Female
 ☐ Other

Interests

☐ Sports
 ☒ Music
 ☐ Reading
 ☒ Gaming

☒ Subscribe to newsletter

Current Values (Live)

Name: Jay Pansuriya
Email: jaypansuriya66@gmail.com
Country: india
Gender: male
Interests: Music, Gaming
Newsletter: Yes

✅ Submitted!

Check console for details

2. Uncontrolled Form (useRef)

India

Gender

☒ Male ☐ Female ☐ Other

Interests

☐ Sports

☒ Music

☐ Reading

☒ Gaming

☒ Subscribe to newsletter

Submit Reset

Current Values (Live)

Name: Jay Pansuriya

Email: jaypansuriya66@gmail.com

Country: india

Gender: male

Interests: Music, Gaming

Newsletter: Yes

2. Uncontrolled Form (useRef)

Name

jay pansuriya

Email

jaypansuriya66@gmail.com

Message

roll no 70

Upload File

Choose File express2.pptx.pdf

Submit Reset Focus First Input

✓ Submitted Data

Name: jay pansuriya

Email: jaypansuriya66@gmail.com

Message: roll no 70

File: express2.pptx.pdf

💡 useRef Benefits

- Direct DOM access
- No re-renders on input
- Better for large forms
- Can focus elements

Digital Clock (useState & useEffect)

20:15:04

Time Format

☒ 24-Hour Format

Show Seconds

☒ Hide Seconds

Current Status

Live Updates every second

20

Hours

15

Minutes

04

Seconds

331

Milliseconds

Additional Time Information

Day of Week:	Friday
Month:	October
Year:	2025

Day of Month:	17
Day of Year:	290
Week Number:	42

How it Works

- **useState:** Manages the current time and display settings
- **useEffect:** Sets up an interval that updates time every second
- **Cleanup:** Returns a cleanup function to clear the interval on unmount
- **Re-rendering:** Component re-renders every second when state updates

✓ Live Form Validation

Username *

Looks good!

Email *

Email format is correct!

Password *

 ✓

Password Strength:

Strong

Confirm Password *

 ✓

Passwords match!

Phone (Optional)

 ✓

Website (Optional)

 ✓

Age (Optional)

 ✓

✓ Submit Form

Validation Status

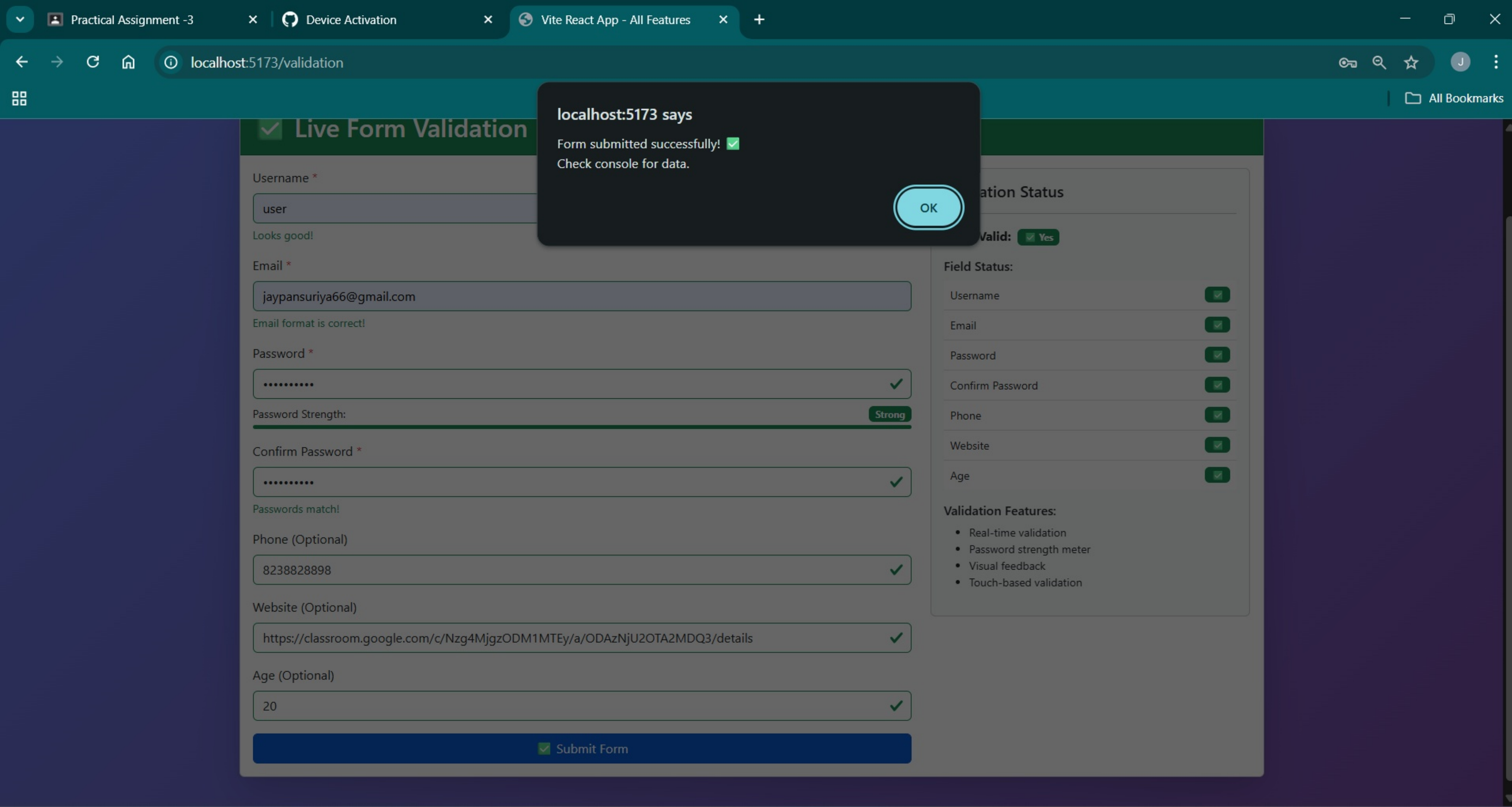
Form Valid: ✓ Yes

Field Status:


Username	✓
Email	✓
Password	✓
Confirm Password	✓
Phone	✓
Website	✓
Age	✓

Validation Features:

- Real-time validation
- Password strength meter
- Visual feedback
- Touch-based validation



localhost:5173 says

Form submitted successfully! 
Check console for data.

OK

✓ Live Form Validation

Username *

user

Looks good!

Email *

jaypansuriya66@gmail.com

Email format is correct!

Password *

.....



Password Strength:

Strong

Confirm Password *

.....



Passwords match!

Phone (Optional)

8238828898



Website (Optional)

https://classroom.google.com/c/Nzg4MjgzODM1MTEy/a/ODAzNjU2OTA2MDQ3/details




Age (Optional)

20



✓ Submit Form

Validation Status

Valid:  Yes

Field Status:

Username



Email



Password



Confirm Password



Phone



Website



Age



Validation Features:

- Real-time validation
- Password strength meter
- Visual feedback
- Touch-based validation

Live Data Filtering

Filters

[Reset](#)

Search

Category

All



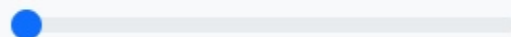
Brand

All



Price Range: \$0 - \$2000

Minimum Rating: 0



☐ In Stock Only

Sort By

Name



↑ Ascending

↓ Descending

Results: 15 / 15

Adidas Ultraboost

In Stock

Category: Fashion

Brand: Adidas

\$180

★ 4.7

Dyson Vacuum

In Stock

Category: Home

Brand: Dyson

\$599

★ 4.7

iPhone 14 Pro

In Stock

Category: Electronics

Brand: Apple

\$999

★ 4.8

MacBook Pro

Out of Stock

Category: Electronics

Brand: Apple

\$1999

★ 4.9

Ray-Ban Sunglasses

In Stock

Category: Fashion

Brand: Ray-Ban

\$150

★ 4.5

Bose QuietComfort

In Stock

Category: Electronics

Brand: Bose

\$329

★ 4.6

Instant Pot

In Stock

Category: Home

Brand: Instant

\$89

★ 4.6

KitchenAid Mixer

Out of Stock

Category: Home

Brand: KitchenAid

\$349

★ 4.8

Nike Air Max

In Stock

Category: Fashion

Brand: Nike

\$129

★ 4.5

Samsung Galaxy S23

In Stock

Category: Electronics

Brand: Samsung

\$899

★ 4.7

Dell XPS 15

In Stock

Category: Electronics

Brand: Dell

\$1599

★ 4.6

iPad Air

In Stock

Category: Electronics

Brand: Apple

\$599

★ 4.7

Levi's Jeans

In Stock

Category: Fashion

Brand: Levi's

\$79

★ 4.4

North Face Jacket

In Stock

Category: Fashion

Brand: North Face

\$199

★ 4.8

Sony WH-1000XM5

Out of Stock

Category: Electronics

Brand: Sony

\$399

★ 4.8

Live Data Filtering

Filters

Reset

Search

Search products...

Category

Electronics

Brand

Apple

Price Range: \$1 - \$2000

1

2000

Minimum Rating: 1.9 ★

☐ In Stock Only

Sort By

Rating

↑ Ascending

↓ Descending

Results: 3 / 15

MacBook Pro

Out of Stock

Category: Electronics

Brand: Apple

\$1999

★ 4.9

iPhone 14 Pro

In Stock

Category: Electronics

Brand: Apple

\$999

★ 4.8

iPad Air

In Stock

Category: Electronics

Brand: Apple

\$599

★ 4.7



CRUD Operations with Express API

+ Add New User

Name

Email

Phone

Role

User



+ Add User

Refresh Data

Total Users: 3

👥 Users List

ID	Name	Email	Phone	Role	Actions
2	Jane Smith	jane@example.com	0987654321	User	Edit Delete
3	Bob Johnson	bob@example.com	5555555555	Moderator	Edit Delete
5	Jay Pansuriya	jaypansuriya66@gmail.com	8238828898	Admin	Edit Delete

🔗 API Endpoints

GET /api/users - Fetch all users

POST /api/users - Create new user

PUT /api/users/:id - Update user

DELETE /api/users/:id - Delete user

Backend: Express.js running on port 3001

Frontend: React with Axios for HTTP requests

CRUD Operations with Express API

Error: Failed to create user



+ Add New User

Name

Jay Pansuriya

Email

jaypansuriya66@gmail.com

Phone


8238828898

Role

Moderator






+ Add User

 Refresh Data

Total Users: 3

Users List

ID	Name	Email	Phone	Role	Actions
2	Jane Smith	jane@example.com	0987654321	User	 Edit  Delete
3	Bob Johnson	bob@example.com	5555555555	Moderator	 Edit  Delete
4	Jay Pansuriya	jaypansuriya66@gmail.com	8238828898	Admin	 Edit  Delete

API Endpoints

GET /api/users - Fetch all users

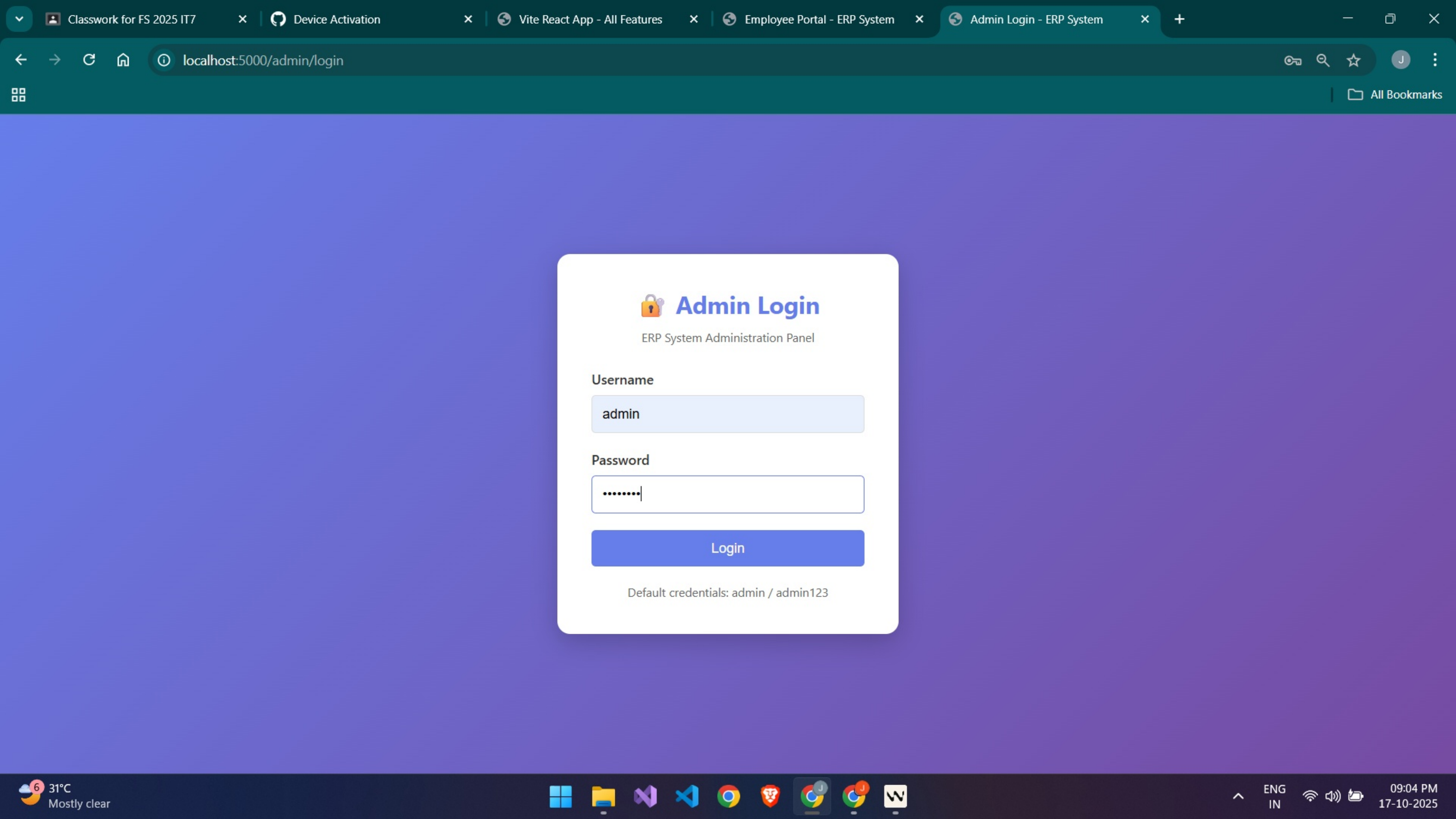
POST /api/users - Create new user

PUT /api/users/:id - Update user

DELETE /api/users/:id - Delete user

Backend: Express.js running on port 3001

Frontend: React with Axios for HTTP requests



Admin Login

ERP System Administration Panel

Username

admin

Password

.....

Login

Default credentials: admin / admin123

Employee Management

+ Add New Employee

No Employees Found

Click "Add New Employee" to create your first employee record.

Classwork for FS 2025 IT7

Device Activation

Vite React App - All Features

Employee Portal - ERP System

Create Employee - ERP System

localhost:5000/admin/employees/create

All Bookmarks

Full Name *

Jay Pansuriya

Email Address *

jaypansuriya66@gmail.com

Department *

HR

Position *

Software

Phone Number

8238828898

Salary Information

Base Salary (₹) *

10000

Allowances (₹)

5000

Deductions (₹)

3000

Net Salary = Base Salary + Allowances - Deductions

Address

154, dwarkadhish,

Create Employee

Cancel



Employee Portal

Sign in to access your account

Employee ID

Password



Please fill out this field.

Login



Your credentials are securely encrypted
Contact admin for password reset