Requirements

The response manages study tasks with add, view, edit, and delete functionalities

The response includes a calendar view for managing study tasks

The response provides a modal for adding and editing tasks

The response includes a progress tracker for completed tasks

The response uses a List Page with a calendar view that filters by subject

The response uses a library like react-big-calendar for the calendar functionality

The response includes modal forms with a date picker and animated transitions

The response provides a Details Page with a progress bar for task completion

The response includes a tabbed layout for notes on the Details Page

The response provides real-time toast notifications for user feedback

The response includes live updates for newly added tasks

The response includes an Add Task Page with a modal form capturing subject, duration, date, and notes

The response includes a Task List Page displaying tasks in a calendar with subject filters

The response includes a Task Details Page that displays a progress bar

The response includes an Edit Task Page with a modal form for updating tasks

The response stores tasks in a MySQL database

The response uses React components with React Router for navigation

The response uses Node.js with Express.js in the backend

The response uses the mysql2 package for database interactions

The response implements a study_tasks table for storing tasks

The response implements a Create query for inserting new tasks

The response implements a Read query for listing all tasks

The response implements a Read query for retrieving a single task by id

The response implements an Update query for editing an existing task

The response implements a Delete query for removing a task

The response includes a POST /study_tasks endpoint to create tasks

The response includes a GET /study_tasks endpoint to retrieve all tasks

The response includes a GET /study_tasks/:id endpoint to retrieve a specific task

The response includes a PUT /study_tasks/:id endpoint to update a task

The response includes a DELETE /study_tasks/:id endpoint to remove a task

The response returns a 201 status when a task is created successfully

The response returns a 200 status when tasks are retrieved successfully

The response returns a 204 status when a task is deleted successfully

The response returns a 400 error for invalid request data

The response returns a 404 error if a requested task is not found

The response includes an Add/Edit Modal with fields for subject, duration, task date, and notes

The response validates required fields and ensures duration is greater than zero

The response animates the modal with a 0.3s ease-in transition

The response includes ARIA labels, a focus trap, and closes on the Escape key for accessibility

The response uses a responsive layout for the modal on different screen sizes

The response shows a toast notification on API errors in the modal

The response includes a calendar on the List Page with month, week, and day views

The response includes a subject dropdown filter on the List Page

The response animates calendar events with a 0.2s fade-in effect

The response is keyboard-navigable with ARIA labels for calendar events

The response provides a responsive calendar layout with filters on mobile

The response handles API errors by showing 'No tasks found' and a retry button

The response includes a Details Page with tabbed 'Info' and 'Notes' sections

The response includes a smooth-fill progress bar for task completion

The response provides animations for tab transitions and progress bar updates

The response ensures tabs and the progress bar are keyboard-accessible

The response is responsive so that tabs stack on mobile

The response shows a spinner while loading details

The response shows 'Task not found' with a back link on a 404 error

The response uses react-big-calendar, react-hot-toast, framer-motion, and react-select libraries

The response uses Tailwind CSS with a primary color of red, hover effects, and rounded corners