

AeroAspire -SDE Intern Training

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- Learning Topics:
 - Frontend connection
 - Error handling for DB
 - Edge cases
- Task:
 - Connect React app to DB-backed API
 - Handle blank data, no tasks, DB connection errors
- Questions:
 - 1. What happens if DB is down: how does the app error?
 - When the DB is down the app gets an error and data cannot be accessed and sql queries cannot be passed
 - The error code is returned as 500 server error
 - When the DB goes down the app cannot perform any methods or functions
 - I encountered a run time error because of response.data.items which was initially response.data which failed to fetch data from db
 - 2. How to handle empty result sets gracefully on frontend?
 - We can check if the data received from Flask is empty or null
 - We can send a response message for that
 - Add a route to direct add task page
 - 3. Describe full flow: user requests data → API queries DB → response to frontend → frontend renders or shows “no items” message.
 - User clicks on any button or method
 - React sends request to Flask
 - Flask accesses data from db and sends this result back as a response
 - React receives this result and shows on the screen
 - If no items in db a message regarding that is displayed
 - I got a message pop up for when I wanted to add task from react for the protected methods