1. **What happens if the DB is down: how does the app error?**
   If the database is down, the application typically encounters connection errors when trying to query or update the DB. This causes exceptions or error responses from the database driver or ORM. The app should catch these errors gracefully, log detailed information for diagnosis, and return a user-friendly error message indicating the service is temporarily unavailable or facing issues.

2. **How to handle empty result sets gracefully on frontend?**
   When the frontend receives an empty result set, it should display a clear "No items found" or similar message instead of showing blank space or errors. This improves user experience by explicitly informing users there's no data to show and encourages action, like adjusting filters or retrying later.

3. **Describe full flow: user requests data → API queries DB → response to frontend → frontend renders or shows "no items" message.**
   The user sends a request to the API with query parameters. The API queries the database using SQL or ORM. If the query succeeds, the API returns the result set (which might be empty). The frontend receives this response and conditionally renders the data if present; otherwise, it shows a "No items" message. If the DB is down or an error occurs, the API returns an error response that the frontend can handle by showing an error notification.