Sprint 2: Materials CRUD (Backend + Basic Frontend)
Goal:
Enable users to create, read, update, and delete inventory materials.
User Story:
"As a user, I want to manage materials so I can keep track of inventory items."
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Tasks:
Create Material Model [x] Completed
- Fields: name, type, quantity, location, notes
2. Create Materials Routes [x] Completed

- POST /api/materials - Add material

- GET /api/materials - Get all materials

- GET /api/materials/:id - Get single material

- DELETE /api/materials/:id - Delete material

- PUT /api/materials/:id - Update material

3. Create Controller Functions [x] Completed

- Use protect middleware to restrict access

4. Connect Routes to server.js [x] Completed

5. Test Routes in Thunder Client [x] Completed

- Mount routes under /api/materials

- Handle logic for all routes (CRUD)

- Confirm full CRUD operations work
- Ensure token is required for protected actions
- 6. Setup Basic Frontend View (Optional)
 - Use fetch or Axios to display materials list
 - Connect with backend for read operation

Dependencies Needed:

- (already installed) express, mongoose, doteny, jsonwebtoken

Deliverables:

- Fully functional Material model [x]
- RESTful API with CRUD operations [x]
- Protected routes using auth middleware [x]
- (Optional) Frontend display for material list

Next Sprint:

- Locations CRUD
- User Story: "As a user, I want to manage and assign locations to materials."