Common Mistakes and Solutions in SmartGlass Cybersecurity Tasks

## JWT Authorization Error (Missing or Invalid Token)

* ❌ Cause: Token not sent or invalid in request headers.
* ✅ Solution: Ensure the token is added in the Authorization header as: 'Bearer <token>'.

## Postman Error: ECONNREFUSED 127.0.0.1:5173

* ❌ Cause: Frontend port tested instead of backend or server not running.
* ✅ Solution: Run backend using 'npm start' or 'nodemon server.js'. Use correct backend port (e.g., 5000).

## Unable to Create GitHub PR

* ❌ Cause: No code changes between branches or not using a forked repo.
* ✅ Solution: Ensure you commit changes before creating a new branch. Fork the main repo if required.

## Environment Variable Not Set (process.env.MONGO\_URI or JWT\_SECRET)

* ❌ Cause: .env file missing or variable not defined.
* ✅ Solution: Create a .env file with MONGO\_URI and JWT\_SECRET keys.

## Not Understanding Folder Structure (Client/Server Separation)

* ❌ Cause: Confusion between frontend (React) and backend (Node.js).
* ✅ Solution: Frontend is under /client/src, backend is under /server. Use 'npm start' in each.

## Not Knowing How to Perform Security Audit

* ❌ Cause: Lack of step-by-step guidance.
* ✅ Solution: Check auth routes, use tools like Postman for API testing, inspect JWT/session handling, validate configs.