Test Plan / Test Documentation
1. What is being tested
- The Pet Store API (https://petstore.swagger.io/) endpoints for functionality and correctness.
- Basic UI tests of the Pet Store web application.
- Integration between API and UI to ensure expected system behavior.
2. Test coverage areas
- API Tests:
- CRUD operations (Create, Read, Update, Delete) for Pet, User, and Store endpoints.
- Verification of response status codes, data accuracy, and error handling.
- UI Tests:
- Core user scenarios on the Pet Store web interface, such as login, product listing, and product detail vie
- Presence and functionality of UI elements.
- Integration Tests:
- Data consistency and flow between the UI and API layers.
3. Tools used and why
- Jest: For running and reporting test cases; a widely used JavaScript testing framework.
- Cypress: Chosen for UI end-to-end testing due to its modern approach and ease of use.
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Pet Swagger Test Automation Project

- Chai: Assertion library used in API tests for validating expected results.
- Node.js & npm: The runtime and package manager for running tests and managing dependencies.
- Swagger/OpenAPI: Used as the reference API documentation to prepare test scenarios.
4. How to run the tests
- Install project dependencies:
npm install
- To run UI tests (Cypress):
- Open Cypress Test Runner:
npx cypress open
- Or run tests in headless mode:
npx cypress run
- To run API and Jest tests:
npm test
- Notes:
- Jest needs proper configuration to support ES6 import/export syntax (e.g., via Babel).
- Make sure chai is installed:
npm install chaisave-dev
5. Assumptions and limitations

- Supertest: To send HTTP requests for API testing.

- The project uses ES6+ syntax, so Jest must be configured with Babel or equivalent to handle it.
- Without proper Jest configuration, you may encounter errors like "Cannot use import statement outside a
- Some dependencies like chai need to be installed in the project.
- Node.js and npm should be installed on the local machine or CI environment to run the tests.
- The API server (https://petstore.swagger.io) must be accessible and operational during test execution.
- The test scope is limited to functionality and integration; performance, security, and load tests are not incl