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| --- | --- | --- | --- |
| File Path | Type | Framework | Purpose |
| CONFIGURATION FILES |  |  |  |
| frontend/vitest.config.ts | Config | Vitest | Main Vitest configuration for unit tests with MSW mocking |
| frontend/vitest.integration.config.ts | Config | Vitest | Separate config for integration tests against live backend |
| frontend/playwright.config.ts | Config | Playwright | E2E test configuration for browser automation |
| backend/pytest.ini | Config | pytest | Backend test configuration with markers and options |
| SETUP & UTILITIES |  |  |  |
| frontend/src/test/setup.ts | Setup | Vitest | Global test setup with MSW server, mocks for sessionStorage/matchMedia |
| frontend/src/test/integration-setup.ts | Setup | Vitest | Integration test setup - disables MSW, points to live backend port 7001 |
| frontend/src/test/test-utils.tsx | Utility | React Testing Library | Custom render function with providers (Auth, Theme, Router) |
| backend/tests/conftest.py | Setup | pytest | Backend test fixtures - DB session, test client, auth helpers |
| backend/tests/test\_db\_utils.py | Utility | pytest | Database utility functions for cleaning tables between tests |
| BACKEND TESTS |  |  |  |
| backend/tests/test\_integration\_appraisal.py | Integration | pytest | Full API → DB flow tests for appraisal CRUD operations |
| backend/tests/test\_simple\_integration.py | Integration | pytest | Basic DB connection and model operation tests |
| backend/test\_appraisals.py | Unit | pytest | Appraisal endpoint unit tests |
| backend/test\_employees.py | Unit | pytest | Employee endpoint unit tests |
| backend/test\_auth.py | Unit | pytest | Authentication and JWT token tests |
| backend/test\_goals.py | Unit | pytest | Goal and goal template endpoint tests |
| backend/test\_appraisal\_types.py | Unit | pytest | Appraisal type and range endpoint tests |
| backend/test\_models.py | Unit | pytest | SQLAlchemy model validation tests |
| backend/test\_date\_calculator.py | Unit | pytest | Date calculation utility tests |
| FRONTEND UNIT TESTS |  |  |  |
| frontend/src/hooks/useApp.test.ts | Unit | Vitest | Tests useApp hook message methods |
| frontend/src/utils/api.test.ts | Unit | Vitest | API utility function tests |
| frontend/src/utils/auth-events.test.ts | Unit | Vitest | Authentication event handling tests |
| frontend/src/utils/cn.test.ts | Unit | Vitest | CSS class name utility tests |
| frontend/src/contexts/AuthContext.test.tsx | Unit | Vitest | Authentication context provider tests |
| frontend/src/contexts/ThemeContext.test.tsx | Unit | Vitest | Theme context provider tests |
| frontend/src/routes/ProtectedRoute.test.tsx | Unit | Vitest | Route protection and role-based access tests |
| frontend/src/components/navbar/Navbar.test.tsx | Unit | Vitest | Navigation component tests |
| frontend/src/components/ThemeToggle.test.tsx | Unit | Vitest | Theme toggle component tests |
| frontend/src/components/PeriodFilter.test.tsx | Unit | Vitest | Period filter component tests |
| FRONTEND PAGE TESTS |  |  |  |
| frontend/src/pages/auth/Login.test.tsx | Unit | Vitest | Login page form validation and submission tests |
| frontend/src/pages/my-appraisal/MyAppraisal.test.tsx | Unit | Vitest | My appraisal page component tests |
| frontend/src/pages/team-appraisal/TeamAppraisal.test.tsx | Unit | Vitest | Team appraisal page component tests |
| frontend/src/pages/goal-templates/GoalTemplates.test.tsx | Unit | Vitest | Goal templates page component tests |
| frontend/src/pages/self-assessment/SelfAssessment.test.tsx | Unit | Vitest | Self assessment page component tests |
| frontend/src/pages/appraiser-evaluation/AppraiserEvaluation.test.tsx | Unit | Vitest | Appraiser evaluation page component tests |
| frontend/src/pages/reviewer-evaluation/ReviewerEvaluation.test.tsx | Unit | Vitest | Reviewer evaluation page component tests |
| FRONTEND FEATURE TESTS |  |  |  |
| frontend/src/features/goals/AddGoalModal.test.tsx | Unit | Vitest | Add goal modal component tests |
| frontend/src/features/appraisal/CreateAppraisalButton.test.tsx | Unit | Vitest | Create appraisal button component tests |
| FRONTEND INTEGRATION TESTS |  |  |  |
| frontend/src/test/App.integration.test.tsx | Integration | Vitest | Frontend ↔ Backend integration tests with real API calls |
| frontend/src/pages/appraisal-create/CreateAppraisal.int.test.tsx | Integration | Vitest | Create appraisal page integration tests |
| frontend/src/test/rbac-stage.test.tsx | Integration | Vitest | Role-based access control and stage-based permission tests |
| E2E TESTS |  |  |  |
| frontend/e2e/integration-auth.spec.ts | E2E | Playwright | Full browser login flow and dashboard load tests |
| frontend/e2e/smoke.spec.ts | E2E | Playwright | Basic smoke tests for critical user paths |
| frontend/e2e/global-setup.ts | Setup | Playwright | E2E test setup with backend health check |
| SUPPORT FILES |  |  |  |
| backend/create\_test\_db.py | Utility | Python | Script to create test database |
| backend/seed\_test\_data.py | Utility | Python | Script to seed test database with sample data |
| backend/run\_test\_server.py | Utility | Python | Script to run backend server for integration tests |
| frontend/src/utils/token-test.ts | Utility | TypeScript | Token validation utility for tests |
| DOCUMENTATION |  |  |  |
| INTEGRATION\_TESTING.md | Docs | Markdown | Complete integration testing setup guide |
| QUICK\_START\_INTEGRATION\_TESTING.md | Docs | Markdown | Quick start guide for integration tests |
| frontend/TESTING\_LOG.md | Docs | Markdown | Frontend testing execution log |
| frontend/TEST\_EXECUTION\_REPORT.md | Docs | Markdown | Frontend test execution report |
| frontend/AddGoalModal-TestCases.md | Docs | Markdown | Test cases for AddGoalModal component |
| test-cases.md | Docs | Markdown | General test cases documentation |