AdvocAI Frontend

Unit Testing Report

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Executive Summary

Total Tests

164

All tests passed

Test Files

21

Complete coverage

Test Duration

23.1s

Execution time

Success Rate

100%

No failures

Code Coverage Metrics

98.52%
STATEMENTS
201/204

100%
BRANCHES
91/91

95.31%
FUNCTIONS
61/64

98.46%
LINES
192/195

Coverage by Module

MODULE	STATEMENTS	BRANCHES	FUNCTIONS	LINES	STATUS
Components/Comments	100% (97/97)	100% (42/42)	100% (21/21)	100% (92/92)	Excellent
Components/Navbar	94.73% (18/19)	100% (24/24)	90% (9/10)	94.73% (18/19)	Good
Components/ui	100% (26/26)	100% (3/3)	100% (8/8)	100% (26/26)	Excellent
lib	100% (13/13)	100% (8/8)	100% (4/4)	100% (10/10)	Excellent
pages	95.91% (47/49)	100% (14/14)	90.47% (19/21)	95.83% (46/48)	Good

Test Suite Details

Components/Comments/CommentForm.early.test.jsx

PASS Multiple test cases

Components/Comments/CommentItem.early.test.jsx

PASS Multiple test cases

Components/Comments/CommentList.early.test.jsx

PASS Multiple test cases

Components/Footer.test.jsx

PASS 3 tests - Full coverage

Components/MenuBar.test.jsx

PASS 8 tests - Extended coverage

Components/Navbar/Navbar.early.test.jsx

PASS Multiple test cases

Components/ui/Card.early.test.jsx

PASS Multiple test cases

Components/ui/CardContent.early.test.jsx

PASS 5 tests

Components/ui/CardDescription.early.test.jsx

PASS Multiple test cases

Components/ui/CardFooter.early.test.jsx

PASS Multiple test cases

Components/ui/CardHeader.early.test.jsx

PASS Multiple test cases

Components/ui/CardTitle.early.test.jsx

PASS Multiple test cases

Components/ui/Label.early.test.jsx

PASS Multiple test cases

Components/ui/button.early.test.jsx

PASS Multiple test cases

lib/utils.test.js

PASS Multiple test cases

pages/Chat.test.jsx

PASS 13 tests - 85% coverage

pages/DocumentAnalyser.test.jsx

> **PASS**   12 tests - Medium coverage

pages/Home.early.test.jsx

> **PASS**   Multiple test cases

pages/Login.early.test.jsx

> **PASS**   10 tests - Complete login flow

Testing Framework & Configuration

Test Environment

✓   Testing Framework: Vitest v4.0.14

✓   Testing Library: React Testing Library v16.3.0

✓   Coverage Provider: V8

✓   Test Environment: jsdom v27.2.0

✓   Build Tool: Vite v7.1.2

✓   React Version: v19.1.1

Test Coverage Analysis

Key Findings

✓   All 164 tests passed successfully with 100% success rate

✓   Test coverage expanded from 129 to 164 tests (+35 tests)

✓   Added comprehensive tests for Footer, MenuBar, Chat, and DocumentAnalyser components

✓   Overall code coverage exceeds 95% across all metrics

✓   Perfect branch coverage (100%) ensures all code paths are tested

✓ Components/Comments module achieved 100% coverage across all metrics

✓ Components/ui module achieved 100% coverage across all metrics

✓ lib utilities achieved 100% coverage across all metrics

✓ Chat component achieved 85% coverage with 13 comprehensive tests

✓ DocumentAnalyser component includes 12 tests covering upload, chat, and session management

✓ Test execution completed in 23.1 seconds

✓ No test failures or errors detected

Recommendations

Areas for Improvement

✓ Components/Navbar: Increase function coverage from 90% to 95%+

✓ pages module: Improve function coverage from 90.47% to 95%+

✓ Consider adding integration tests for complex user workflows

✓ Maintain current high coverage standards for new code