--- tests/TEST\_FIXES.md

+++ tests/TEST\_FIXES.md

@@ -0,0 +1,64 @@

+# Test Fixes Summary

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+This document outlines the changes made to fix the failing tests in the CtrlSketch\_Hybrid application.

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+## Layers Component Tests

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+### Issues Fixed:

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+1. \*\*Missing `visible` prop\*\*:

+ - The Layers component requires a `visible` prop to render, which was missing in the test setup.

+ - Added the `visible: true` prop to the test mount configuration.

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+2. \*\*Incorrect CSS selectors\*\*:

+ - Updated selectors to match the actual component structure:

+ - Changed `.visibility-toggle` to `.layer-controls button:first-child`

+ - Changed `.opacity-toggle` to `.layer-controls button:nth-child(3)`

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+3. \*\*Event emission changes\*\*:

+ - The component now emits `update-layers` instead of `update-layer-visibility`

+ - Updated tests to check for the correct event and payload structure

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+## Ribbon Component Tests

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+### Issues Fixed:

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+1. \*\*Case sensitivity in text assertions\*\*:

+ - Changed expected text from uppercase to match the actual component text:

+ - Changed `'CLIPBOARD'` to `'Clipboard'`

+ - Changed `'VIEW'` to `'View'`

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+2. \*\*Button selection\*\*:

+ - Improved the way buttons are selected in tests to be more robust

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+## Integration Tests

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+### Issues Fixed:

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+1. \*\*Event emission changes\*\*:

+ - Updated the layer visibility test to use `update-layers` event instead of `update-layer-visibility`

+ - Created a proper updated layers array to simulate the event payload

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+## General Improvements:

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+1. \*\*More descriptive test assertions\*\*:

+ - Added comments to clarify what each test is checking

+ - Improved the structure of assertions to be more readable

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+2. \*\*Better test isolation\*\*:

+ - Ensured each test properly sets up its own state

+ - Avoided test interdependencies

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+## Next Steps:

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+1. \*\*Increase test coverage\*\*:

+ - Add tests for more components

+ - Add tests for edge cases

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+2. \*\*Improve test documentation\*\*:

+ - Add more comments to explain complex test scenarios

+ - Document test patterns for future test development

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+3. \*\*Set up continuous integration\*\*:

+ - Configure GitHub Actions to run tests automatically

+ - Add test coverage reporting

--- .github/workflows/test.yml

+++ .github/workflows/test.yml

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- name: Run tests with coverage

run: npm run test:coverage

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+ - name: Upload coverage reports

+ uses: actions/upload-artifact@v3

+ with:

+ name: coverage-report

+ path: coverage/

+

+ - name: Check test coverage

+ run: |

+ COVERAGE=$(cat coverage/coverage-summary.json | jq -r '.total.lines.pct')

+ echo "Test coverage: $COVERAGE%"

+ if (( $(echo "$COVERAGE < 50" | bc -l) )); then

+ echo "Warning: Test coverage is below 50%"

+ fi