



Cross-Platform Compatibility Guide

⚠ Gotcha: Linux is case-sensitive with filenames; Windows is not.

💥 Problem

If a file is named `localStorage.js` but imported as `localstorage.js`, it works on Windows but **crashes** on Linux.

This happens because Linux treats `localStorage.js` and `localstorage.js` as two different files.

✅ Lightweight Fixes for Cross-Platform Devs

To avoid constant back-and-forth platform issues and keep things frictionless for Windows users:

1. ESLint Rules for Case-Sensitive Imports

We use `eslint-plugin-import` to catch import mistakes early, especially:

- Case mismatch (e.g., `App.jsx` vs `app.jsx`)
- Path resolution issues

Installed in devDependencies:

```
npm install eslint-plugin-import --save-dev
```

Configured in `eslint.config.js`:

```
"import/no-unresolved": ["error", { ignore: ["^@tailwindcss/vite$"] }],  
"import/no-case-sensitive-paths": "error",  
"import/extensions": [  
  "error",  
  "ignorePackages",  
  { js: "never", jsx: "never" }  
]
```

2. `.vscode/settings.json` for Editor Integration

```
{  
  "eslint.validate": ["javascript", "javascriptreact"],  
  "eslint.experimental.useFlatConfig": true,  
  "eslint.workingDirectories": [{ "mode": "auto" }],  
  "editor.codeActionsOnSave": {  
    "source.fixAll": true  
  }  
}
```

```
}  
}
```

✓ Recommended: Commit this file so all devs get the same linting behavior in VS Code.

Verified ESLint Output

Here's a sample lint run showing real-world issues caught:

```
CardList.jsx: 'handleOnWatch' is not defined  
main.jsx: Unexpected use of file extension "jsx"  
movie.jsx: 'error' is defined but never used  
serie.jsx: 'error' is defined but never used  
vite.config.js: Unable to resolve path to module '@tailwindcss/vite'
```

All except the last were fixed. The last is suppressed for now with a regex ignore.

Git Tip for Linux/Mac Users

Use Git (not the file explorer) to rename files case-sensitively.

E.g.:

```
git mv localStorage.js LocalStorage.js
```

This ensures Git tracks casing changes that matter on Linux but are invisible to Windows.

Summary

Area	Fix
Case-sensitive imports	<code>import/no-case-sensitive-paths</code>
Path resolution	<code>import/no-unresolved</code>
VS Code consistency	<code>.vscode/settings.json</code>
Safe commits	<code>npm run lint</code> before <code>git commit</code>

✓ This setup is zero-friction for Windows devs and protects Linux users from runtime crashes.

 Maintained by the team on `kill-cross-platform-dev-trap` branch