



Windows XP Emulator - Phase #1

A nostalgic browser-based
simulation



What Is It?

- A browser-based simulation of Windows XP
- Fully interactive UI with desktop, windows, and taskbar
- Built with pure HTML, CSS, and JavaScript
- No backend or external frameworks



Key Features

- Windows XP boot and desktop experience
- Draggable and resizable fake apps (e.g. Notepad)
- Functional taskbar and Start menu
- Sound effects for startup, clicks, and errors
- Runs entirely on the front end

Technical Barriers

- No backend support: All data and state must be handled in-browser
- No real OS functionality: Cannot execute programs or manage real files
- Complex UI replication: Simulating draggable, resizable windows with JavaScript requires detailed event handling
- Browser limitations: Emulating native system behavior like taskbar processes or right-click menus is constrained
- Audio compatibility: Consistent sound playback across browsers can be tricky

Next Iterations on MVP

- Add a file explorer and simulated Internet Explorer
- Save desktop layout using local storage
- Introduce right-click context menus
- Integrate a Node.js backend to emulate real file management and support command-prompt commands.

Thank you