

Code Explanation: app.js

Generated: 2026-02-06 01:35

Block 1 (lines 1-1)

L1: ?const desktop = document.getElementById('desktop');

Explanation: JavaScript logic block.

Block 2 (lines 2-2)

L2: const windows = Array.from(document.querySelectorAll('.window'));

Explanation: JavaScript logic block.

Block 3 (lines 3-3)

L3: const dockButtons = Array.from(document.querySelectorAll('.dock-icon'));

Explanation: JavaScript logic block.

Block 4 (lines 4-4)

L4: const desktopIcons = Array.from(document.querySelectorAll('.desktop-icon'));

Explanation: JavaScript logic block.

Block 5 (lines 5-5)

L5: const menuToggle = document.getElementById('menu-toggle');

Explanation: Top menu dropdown logic (open/close, escape, outside click).

Block 6 (lines 6-6)

L6: const menuDropdown = document.getElementById('menu-dropdown');

Explanation: Top menu dropdown logic (open/close, escape, outside click).

Block 7 (lines 7-7)

L7: const menuRoot = document.querySelector('.menu-root');

Explanation: JavaScript logic block.

Block 8 (lines 8-8)

L8: const menuOptions = Array.from(document.querySelectorAll('.menu-option'));

Explanation: Menu actions that open About, Settings, or Portfolio windows.

Block 9 (lines 9-9)

L9: const appearanceOptions = Array.from(document.querySelectorAll('.appearance-option'));

Explanation: JavaScript logic block.

Block 10 (lines 10-10)

L10: const backgroundOptions = Array.from(document.querySelectorAll('.bg-option'));

Explanation: Desktop background switching from Settings tiles.

Block 11 (lines 12-12)

L12: let zIndexCounter = 10;

Explanation: JavaScript logic block.

Block 12 (lines 14-16)

L14: if (desktop) {

L15: desktop.dataset.bg = desktop.dataset.bg || 'beach';

L16: }

Explanation: JavaScript logic block.

Block 13 (lines 18-21)

L18: const bringToFront = (win) => {

L19: zIndexCounter += 1;

L20: win.style.zIndex = zIndexCounter;

L21:};

Explanation: Function to raise a window above others (z-index management).

Block 14 (lines 23-29)

L23: const setDockActive = (id, isActive) => {

L24: dockButtons.forEach((button) => {

L25: if (button.dataset.window === id) {

L26: button.classList.toggle('active', isActive);

L27: }

L28:});

L29:};

Explanation: JavaScript logic block.

Block 15 (lines 31-41)

L31: const openWindow = (id) => {

L32: const win = document.getElementById(id);

L33: if (!win) {

L34: return;

```
L35: }
L36: win.classList.add('is-open');
L37: win.classList.remove('is-minimized');
L38: win.setAttribute('aria-hidden', 'false');
L39: bringToFront(win);
L40: setDockActive(id, true);
L41: };

Explanation: Function to raise a window above others (z-index management).
```

Block 16 (lines 43-47)

```
L43: const closeWindow = (win) => {
L44:   win.classList.remove('is-open', 'is-minimized', 'is-maximized');
L45:   win.setAttribute('aria-hidden', 'true');
L46:   setDockActive(win.id, false);
L47: };

Explanation: JavaScript logic block.
```

Block 17 (lines 49-52)

```
L49: const minimizeWindow = (win) => {
L50:   win.classList.add('is-minimized');
L51:   setDockActive(win.id, true);
L52: };

Explanation: JavaScript logic block.
```

Block 18 (lines 54-56)

```
L54: const toggleMaximize = (win) => {
L55:   win.classList.toggle('is-maximized');
L56: };

Explanation: JavaScript logic block.
```

Block 19 (lines 58-80)

```
L58: windows.forEach((win) => {
L59:   win.addEventListener('mousedown', () => bringToFront(win));
L60:   const titlebar = win.querySelector('.window-titlebar');
L61:   if (titlebar) {
L62:     titlebar.addEventListener('mousedown', (event) => startDrag(event, win));
L63:   }
L65:   win.querySelectorAll('[data-action]').forEach((button) => {
L66:     button.addEventListener('click', (event) => {
L67:       event.stopPropagation();
L68:       const action = button.dataset.action;
L69:       if (action === 'close') {
L70:         closeWindow(win);
L71:       }
L72:       if (action === 'minimize') {
L73:         minimizeWindow(win);
L74:       }
L75:       if (action === 'maximize') {
L76:         toggleMaximize(win);
L77:       }
L78:     });
L79:   });
L80: });

Explanation: Function to raise a window above others (z-index management).
```

Block 20 (lines 82-84)

```
L82: desktopIcons.forEach((icon) => {
L83:   icon.addEventListener('dblclick', () => openWindow(icon.dataset.window));
L84: });

Explanation: Double-click desktop icons to open corresponding windows.
```

Block 21 (lines 86-101)

```
L86: dockButtons.forEach((button) => {
L87:   button.addEventListener('click', () => {
L88:     const id = button.dataset.window;
L89:     const win = document.getElementById(id);


```

```
L90: if (!win) {
L91:   return;
L92: }
L93: const isOpen = win.classList.contains('is-open');
L94: const isMinimized = win.classList.contains('is-minimized');
L95: if (isOpen && !isMinimized) {
L96:   minimizeWindow(win);
L97:   return;
L98: }
L99: openWindow(id);
L100: });
L101: });

Explanation: Dock click behavior to open or minimize windows.
```

Block 22 (lines 103-109)

```
L103: const closeMenu = () => {
L104:   if (!menuDropdown || !menuToggle) {
L105:     return;
L106:   }
L107:   menuDropdown.classList.remove('is-open');
L108:   menuToggle.setAttribute('aria-expanded', 'false');
L109: };

Explanation: Top menu dropdown logic (open/close, escape, outside click).
```

Block 23 (lines 111-129)

```
L111: if (menuToggle && menuDropdown) {
L112:   menuToggle.addEventListener('click', (event) => {
L113:     event.stopPropagation();
L114:     const isOpen = menuDropdown.classList.toggle('is-open');
L115:     menuToggle.setAttribute('aria-expanded', String(isOpen));
L116:   });
L117:   document.addEventListener('click', (event) => {
L118:     if (menuRoot && !menuRoot.contains(event.target)) {
L119:       closeMenu();
L120:     }
L121:   });
L122: });
L123: document.addEventListener('keydown', (event) => {
L124:   if (event.key === 'Escape') {
L125:     closeMenu();
L126:   }
L127: });
L128: });
L129: }

Explanation: Top menu dropdown logic (open/close, escape, outside click).
```

Block 24 (lines 131-145)

```
L131: menuOptions.forEach((option) => {
L132:   option.addEventListener('click', () => {
L133:     const action = option.dataset.menuAction;
L134:     if (action === 'settings') {
L135:       openWindow('window-settings');
L136:     }
L137:     if (action === 'about') {
L138:       openWindow('window-about');
L139:     }
L140:     if (action === 'portfolio') {
L141:       openWindow('window-computer');
L142:     }
L143:     closeMenu();
L144:   });
L145: });

Explanation: Menu actions that open About, Settings, or Portfolio windows.
```

Block 25 (lines 147-147)

```
L147: let dragState = null;
```

Explanation: JavaScript logic block.

Block 26 (lines 149-169)

```
L149: const startDrag = (event, win) => {
L150:   if (event.button !== 0) {
L151:     return;
L152:   }
L153:   if (win.classList.contains('is-maximized')) {
L154:     return;
L155:   }
L156:   if (event.target.closest('.window-controls')) {
L157:     return;
L158:   }
L159:   event.preventDefault();
L160:   const deskRect = desktop.getBoundingClientRect();
L161:   const winRect = win.getBoundingClientRect();
L162:   dragState = {
L163:     win,
L164:     deskRect,
L165:     offsetX: event.clientX - winRect.left,
L166:     offsetY: event.clientY - winRect.top
L167:   };
L168:   bringToFront(win);
L169: }
```

Explanation: Function to raise a window above others (z-index management).

Block 27 (lines 171-184)

```
L171: const dragMove = (event) => {
L172:   if (!dragState) {
L173:     return;
L174:   }
L175:   const { win, deskRect, offsetX, offsetY } = dragState;
L176:   const maxX = deskRect.width - win.offsetWidth - 10;
L177:   const maxY = deskRect.height - win.offsetHeight - 10;
L178:   let nextX = event.clientX - deskRect.left - offsetX;
L179:   let nextY = event.clientY - deskRect.top - offsetY;
L180:   nextX = Math.max(10, Math.min(nextX, maxX));
L181:   nextY = Math.max(60, Math.min(nextY, maxY));
L182:   win.style.left = `${nextX}px`;
L183:   win.style.top = `${nextY}px`;
L184: }
```

Explanation: Window drag-and-drop behavior with boundary constraints.

Block 28 (lines 186-188)

```
L186: const stopDrag = () => {
L187:   dragState = null;
L188: }
```

Explanation: JavaScript logic block.

Block 29 (lines 190-190)

```
L190: window.addEventListener('mousemove', dragMove);
```

Explanation: Window drag-and-drop behavior with boundary constraints.

Block 30 (lines 191-191)

```
L191: window.addEventListener('mouseup', stopDrag);
```

Explanation: JavaScript logic block.

Block 31 (lines 193-193)

```
L193: const clockEl = document.getElementById('clock');
```

Explanation: JavaScript logic block.

Block 32 (lines 195-205)

```
L195: const updateClock = () => {
L196:   const now = new Date();
L197:   const weekday = now.toLocaleString('en-US', { weekday: 'short' }).toUpperCase();
L198:   const month = now.toLocaleString('en-US', { month: 'short' }).toUpperCase();
L199:   const day = now.getDate();
```

```
L200: let hours = now.getHours();
L201: const minutes = now.getMinutes().toString().padStart(2, '0');
L202: const ampm = hours >= 12 ? 'PM' : 'AM';
L203: hours = hours % 12 || 12;
L204: clockEl.textContent = '${weekday} ${month} ${day} ${hours}:${minutes} ${ampm}';
L205: };
Explanation: Live clock formatting and update interval.
Block 33 (lines 207-207)
L207: updateClock();
Explanation: Live clock formatting and update interval.
Block 34 (lines 208-208)
L208: setInterval(updateClock, 60000);
Explanation: Live clock formatting and update interval.
Block 35 (lines 210-210)
L210: const computerBreadcrumb = document.getElementById('computer-breadcrumb');
Explanation: JavaScript logic block.
Block 36 (lines 211-211)
L211: const computerList = document.getElementById('computer-list');
Explanation: JavaScript logic block.
Block 37 (lines 212-212)
L212: const computerPreview = document.getElementById('computer-preview');
Explanation: JavaScript logic block.
Block 38 (lines 213-213)
L213: const computerBack = document.getElementById('computer-back');
Explanation: JavaScript logic block.
Block 39 (lines 214-214)
L214: const sidebarButtons = Array.from(document.querySelectorAll('.sidebar-item'));
Explanation: JavaScript logic block.
Block 40 (lines 216-336)
L216: const computerViews = {
L217:   portfolio: {
L218:     label: 'Portfolio',
L219:     items: [
L220:       { title: 'Projects', openView: 'projects' },
L221:       { title: 'Lab', openView: 'lab' },
L222:       { title: 'Resources', openView: 'resources' },
L223:       { title: 'About', openView: 'about' },
L224:       { title: 'Contact', openView: 'contact' },
L225:       { title: 'Work Experience', openView: 'experience' }
L226:     ]
L227:   },
L228:   projects: {
L229:     label: 'Projects',
L230:     items: [
L231:       {
L232:         title: 'Sibarita',
L233:         subtitle: 'Brand identity system',
L234:         description: 'Full brand system with packaging, tone of voice, and digital
rollout. Retro meets modern with playful color and bold typography.',
L235:         tags: ['Branding', 'Packaging', 'Digital']
L236:       },
L237:       {
L238:         title: 'Neon Dunes',
L239:         subtitle: 'UX refresh',
L240:         description: 'UX polish for a travel platform focused on clarity, search, and
moments of delight across mobile and desktop.',
L241:         tags: ['UX', 'UI', 'Research']
L242:       },
L243:       {
L244:         title: 'Bytewave',
```

```
L245:     subtitle: 'Web experience',
L246:     description: 'Landing page design and animation system for a Web3 music label with
a synthwave aesthetic.',
L247:     tags: ['Web', 'Motion', 'Brand']
L248: },
L249: {
L250:     title: 'Studio Vela',
L251:     subtitle: 'Portfolio site',
L252:     description: 'Custom portfolio with modular case studies, lightweight CMS, and
playful transitions.',
L253:     tags: ['Web', 'System', 'CMS']
L254: },
L255: {
L256:     title: 'Horizon',
L257:     subtitle: 'Product design',
L258:     description: 'Reimagined onboarding and dashboards for a productivity app used by
remote teams.',
L259:     tags: ['Product', 'UI', 'Strategy']
L260: }
L261: ],
L262: },
L263: lab: {
L264:     label: 'Lab',
L265:     items: [
L266:     {
L267:         title: 'Pixel Map',
L268:         subtitle: 'Experimental prototype',
L269:         description: 'A playful map interface that reacts to sound and scroll to reveal
hidden layers.',
L270:         tags: ['Prototype', 'Interaction']
L271:     },
L272:     {
L273:         title: 'Arcade Nav',
L274:         subtitle: 'Menu concept',
L275:         description: 'Navigation UI inspired by classic arcade cabinets with neon states
and chime sounds.',
L276:         tags: ['Concept', 'UI']
L277:     }
L278: ],
L279: },
L280: resources: {
L281:     label: 'Resources',
L282:     items: [
L283:     {
L284:         title: 'Design System',
L285:         subtitle: 'Components',
L286:         description: 'Tokens, grids, iconography, and type ramp for fast, consistent UI
work.',
L287:         tags: ['System', 'UI']
L288:     },
L289:     {
L290:         title: 'Case Study Kit',
L291:         subtitle: 'Templates',
L292:         description: 'Case study layouts, storytelling prompts, and motion templates for
portfolio updates.',
L293:         tags: ['Docs', 'Templates']
L294:     }
L295: ],
L296: },
L297: about: {
```

```

L298:   label: 'About',
L299:   items: [
L300:     {
L301:       title: 'Profile',
L302:       subtitle: 'Creative director',
L303:       description: 'I design bold digital experiences, combining nostalgic references
with modern usability.',
L304:       tags: ['Bio', 'Vision']
L305:     }
L306:   ]
L307: },
L308: contact: {
L309:   label: 'Contact',
L310:   items: [
L311:     {
L312:       title: 'Email',
L313:       subtitle: 'hello@example.com',
L314:       description: 'Swap this with your real email, social links, and location
details.',
L315:       tags: ['Email', 'Social']
L316:     }
L317:   ]
L318: },
L319: experience: {
L320:   label: 'Work Experience',
L321:   items: [
L322:     {
L323:       title: 'Lead Designer',
L324:       subtitle: 'Sunset Lab (2021 - Now)',
L325:       description: 'Led a small team delivering identity systems and playful product
experiences.',
L326:       tags: ['Leadership', 'Brand']
L327:     },
L328:     {
L329:       title: 'UX Designer',
L330:       subtitle: 'Aether Co (2017 - 2021)',
L331:       description: 'Owned the design system and collaborated across product,
engineering, and research.',
L332:       tags: ['Product', 'Systems']
L333:     }
L334:   ]
L335: }
L336: };

```

Explanation: Data model for My Computer sections and file preview content.

Block 41 (lines 338-338)

```
L338: let viewStack = ['portfolio'];
```

Explanation: JavaScript logic block.

Block 42 (lines 340-377)

```

L340: const renderComputerView = () => {
L341:   const viewId = viewStack[viewStack.length - 1];
L342:   const view = computerViews[viewId];
L343:   if (!view) {
L344:     return;
L345:   }
L347:   computerBreadcrumb.textContent = viewStack
L348:     .map((id) => computerViews[id].label.toUpperCase())
L349:     .join(' / ');
L351:   computerBack.disabled = viewStack.length <= 1;
L353:   computerList.innerHTML = '';
L354:   computerPreview.innerHTML = '<div class="empty-state">SELECT A FILE TO PREVIEW</div>';

```

```

L356: view.items.forEach((item) => {
L357:   const button = document.createElement('button');
L358:   button.type = 'button';
L359:   button.className = 'file-item';
L360:   button.innerHTML = '<svg class="icon small"><use href="#icon-
  folder"></use></svg><span>${item.title}</span>';
L362:   button.addEventListener('click', () => {
L363:     const currentItems = Array.from(computerList.querySelectorAll('.file-item'));
L364:     currentItems.forEach((node) => node.classList.remove('active'));
L365:     button.classList.add('active');
L367:     if (item.openView) {
L368:       viewStack.push(item.openView);
L369:       renderComputerView();
L370:       return;
L371:     }
L372:     showComputerPreview(viewId, item);
L373:   });
L375:   computerList.appendChild(button);
L376: });
L377: };

```

Explanation: Data model for My Computer sections and file preview content.

Block 43 (lines 379-396)

```

L379: const showComputerPreview = (viewId, item) => {
L380:   const tags = item.tags
L381:   ? '<div class="tags">${item.tags}
L382:     .map((tag) => '<span class="tag">${tag.toUpperCase()}</span>')
L383:     .join('<br>')
L384:   : '';
L386:   computerPreview.innerHTML =
L387:     <h3 class="pixel-title">${item.title.toUpperCase()}</h3>
L388:     <p class="muted">${item.subtitle || ''}</p>
L389:     <p>${item.description || ''}</p>
L390:   ${tags}
L391: ';
L393:   computerBreadcrumb.textContent = `${viewStack
L394:     .map((id) => computerViews[id].label.toUpperCase())
L395:     .join(' / ')} / ${item.title.toUpperCase()}`;
L396: };

```

Explanation: Data model for My Computer sections and file preview content.

Block 44 (lines 398-409)

```

L398: sidebarButtons.forEach((button) => {
L399:   button.addEventListener('click', () => {
L400:     const target = button.dataset.section;
L401:     if (!computerViews[target]) {
L402:       return;
L403:     }
L404:     sidebarButtons.forEach((node) => node.classList.remove('active'));
L405:     button.classList.add('active');
L406:     viewStack = [target];
L407:     renderComputerView();
L408:   });
L409: );

```

Explanation: Data model for My Computer sections and file preview content.

Block 45 (lines 411-416)

```

L411: computerBack.addEventListener('click', () => {
L412:   if (viewStack.length > 1) {
L413:     viewStack.pop();
L414:     renderComputerView();
L415:   }
L416: );

```

Explanation: Renders file lists, breadcrumbs, and preview content in My Computer.

Block 46 (lines 418-418)

L418: renderComputerView();

Explanation: Renders file lists, breadcrumbs, and preview content in My Computer.

Block 47 (lines 420-425)

L420: const applyTheme = (theme) => {

L421: if (!document.body) {

L422: return;

L423: }

L424: document.body.dataset.theme = theme;

L425:};

Explanation: JavaScript logic block.

Block 48 (lines 427-427)

L427: const initialThemeButton = appearanceOptions.find((button) =>

 button.classList.contains('active'));

Explanation: JavaScript logic block.

Block 49 (lines 428-428)

L428: applyTheme(initialThemeButton && initialThemeButton.dataset.theme) || 'light');

Explanation: JavaScript logic block.

Block 50 (lines 430-436)

L430: appearanceOptions.forEach((button) => {

L431: button.addEventListener('click', () => {

L432: appearanceOptions.forEach((item) => item.classList.remove('active'));

L433: button.classList.add('active');

L434: applyTheme(button.dataset.theme || 'light');

L435:});

L436:});

Explanation: Theme toggling (light/dark) from Settings.

Block 51 (lines 438-446)

L438: backgroundOptions.forEach((button) => {

L439: button.addEventListener('click', () => {

L440: backgroundOptions.forEach((item) => item.classList.remove('active'));

L441: button.classList.add('active');

L442: if (desktop) {

L443: desktop.dataset.bg = button.dataset.bg || 'beach';

L444:}

L445:});

L446:});

Explanation: Desktop background switching from Settings tiles.

Block 52 (lines 448-448)

L448: const paintCanvas = document.getElementById('paint-canvas');

Explanation: Paint app drawing logic, including resize and clearing.

Block 53 (lines 449-449)

L449: const paintColor = document.getElementById('paint-color');

Explanation: JavaScript logic block.

Block 54 (lines 450-450)

L450: const paintSize = document.getElementById('paint-size');

Explanation: JavaScript logic block.

Block 55 (lines 451-451)

L451: const paintClear = document.getElementById('paint-clear');

Explanation: JavaScript logic block.

Block 56 (lines 453-503)

L453: if (paintCanvas) {

L454: const ctx = paintCanvas.getContext('2d');

L455: let drawing = false;

L457: const resizeCanvas = () => {

L458: const rect = paintCanvas.getBoundingClientRect();

L459: const scale = window.devicePixelRatio || 1;

L460: paintCanvas.width = rect.width * scale;

L461: paintCanvas.height = rect.height * scale;

```

L462: ctx.setTransform(1, 0, 0, 1, 0, 0);
L463: ctx.scale(scale, scale);
L464: ctx.fillStyle = '#ffffff';
L465: ctx.fillRect(0, 0, rect.width, rect.height);
L466: };
L468: resizeCanvas();
L469: window.addEventListener('resize', resizeCanvas);
L471: const startDraw = (event) => {
L472:   drawing = true;
L473:   ctx.beginPath();
L474:   ctx.moveTo(event.offsetX, event.offsetY);
L475: };
L477: const draw = (event) => {
L478:   if (!drawing) {
L479:     return;
L480:   }
L481:   ctx.lineTo(event.offsetX, event.offsetY);
L482:   ctx.strokeStyle = paintColor.value;
L483:   ctx.lineWidth = Number(paintSize.value);
L484:   ctx.lineCap = 'round';
L485:   ctx.lineJoin = 'round';
L486:   ctx.stroke();
L487: };
L489: const endDraw = () => {
L490:   drawing = false;
L491:   ctx.closePath();
L492: };
L494: paintCanvas.addEventListener('mousedown', startDraw);
L495: paintCanvas.addEventListener('mousemove', draw);
L496: paintCanvas.addEventListener('mouseup', endDraw);
L497: paintCanvas.addEventListener('mouseleave', endDraw);
L499: paintClear.addEventListener('click', () => {
L500:   ctx.clearRect(0, 0, paintCanvas.width, paintCanvas.height);
L501:   resizeCanvas();
L502: });
L503: }

```

Explanation: Paint app drawing logic, including resize and clearing.

Block 57 (lines 505-505)

```
L505: const musicTitle = document.getElementById('music-title');
```

Explanation: Music player behavior: station selection, play/pause, volume display.

Block 58 (lines 506-506)

```
L506: const musicSubtitle = document.getElementById('music-subtitle');
```

Explanation: JavaScript logic block.

Block 59 (lines 507-507)

```
L507: const musicPlay = document.getElementById('music-play');
```

Explanation: JavaScript logic block.

Block 60 (lines 508-508)

```
L508: const volumeSlider = document.getElementById('music-volume');
```

Explanation: JavaScript logic block.

Block 61 (lines 509-509)

```
L509: const volumePercent = document.getElementById('music-volume-percent');
```

Explanation: JavaScript logic block.

Block 62 (lines 510-510)

```
L510: const stationButtons = Array.from(document.querySelectorAll('.station-item'));
```

Explanation: Music player behavior: station selection, play/pause, volume display.

Block 63 (lines 512-512)

```
L512: let activeStation = stationButtons.find((button) => button.classList.contains('active'))
    || stationButtons[0];
```

Explanation: Music player behavior: station selection, play/pause, volume display.

Block 64 (lines 513-513)

```
L513: let.isPlaying = true;
Explanation: JavaScript logic block.
Block 65 (lines 515-529)
L515: const updateMusicUI = () => {
L516:   if (activeStation && musicTitle && musicSubtitle) {
L517:     musicTitle.textContent = activeStation.dataset.track || 'UNKNOWN';
L518:     musicSubtitle.textContent = activeStation.dataset.genre || 'RADIO';
L519:   }
L520:   if (musicPlay) {
L521:     musicPlay.textContent = isPlaying ? '||' : '>';
L522:   }
L523:   stationButtons.forEach((button) => {
L524:     button.classList.toggle('is-playing', isPlaying && button === activeStation);
L525:   });
L526:   if (volumeSlider && volumePercent) {
L527:     volumePercent.textContent = `${volumeSlider.value}%`;
L528:   }
L529: };
Explanation: Music player behavior: station selection, play/pause, volume display.
```

Block 66 (lines 531-539)

```
L531: stationButtons.forEach((button) => {
L532:   button.addEventListener('click', () => {
L533:     stationButtons.forEach((item) => item.classList.remove('active'));
L534:     button.classList.add('active');
L535:     activeStation = button;
L536:     isPlaying = true;
L537:     updateMusicUI();
L538:   });
L539: });
Explanation: Music player behavior: station selection, play/pause, volume display.
```

Block 67 (lines 541-546)

```
L541: if (musicPlay) {
L542:   musicPlay.addEventListener('click', () => {
L543:     isPlaying = !isPlaying;
L544:     updateMusicUI();
L545:   });
L546: }
```

Explanation: JavaScript logic block.

Block 68 (lines 548-550)

```
L548: if (volumeSlider) {
L549:   volumeSlider.addEventListener('input', updateMusicUI);
L550: }
```

Explanation: JavaScript logic block.

Block 69 (lines 552-552)

```
L552: updateMusicUI();
```

Explanation: JavaScript logic block.

Block 70 (lines 554-554)

```
L554: openWindow('window-computer');
```

Explanation: Initializes the UI by opening the main window.