Application Compatibility Report

1. Third-Party Libraries Used

ibrary/Framework	Description	Browser Version Compatibility	Source/Reference
Google Fonts (Press Start 2P)	Font styling for the application.	Compatible from modern versions (Chrome 4+, Firefox 3.5+, Edge 12+, Safari 5+)	Google Fonts

2. Modern JavaScript Features Used

JavaScript Feature	Description	Browser Version Compatibility	Source/Reference
Arrow Functions (()=>{})	Concise way of writing functions.	Supported in Chrome 49+, Firefox 44+, Safari 10.1+, Edge 14+	MDN Web Docs - Arrow Functions
Template Literals (${variable})	String interpolation with template literals.	Supported in Chrome 41+, Firefox 34+, Safari 9+, Edge 12+	MDN Web Docs - Template Literals
let and const	Block-scoped variables.	Supported in Chrome 49+, Firefox 44+, Safari 10+, Edge 14+	MDN Web Docs - let and const
forEach()	Iteration method for arrays.	Supported in Chrome 49+, Firefox 39+, Safari 10+, Edge 14+	MDN Web Docs - forEach
Object.assign()	Shallow copies properties from one or more objects.	Supported in Chrome 39+, Firefox 34+, Safari 9+, Edge 12+	MDN Web Docs - Object.assign()

JavaScript Feature	Description	Browser Version Compatibility	Source/Reference
Arrow Functions (()=>{})	Concise way of writing functions.	Supported in Chrome 49+, Firefox 44+, Safari 10.1+, Edge 14+	MDN Web Docs
Template Literals (${variable})	String interpolation with template literals.	Supported in Chrome 41+, Firefox 34+, Safari 9+, Edge 12+	MDN Web Docs
let and const	Block-scoped variables.	Supported in Chrome 49+, Firefox 44+, Safari 10+, Edge 14+	MDN Web Docs
forEach()	Iteration method for arrays.	Supported in Chrome 49+, Firefox 39+, Safari 10+, Edge 14+	MDN Web Docs
Object.assign()	Shallow copies properties from one or more objects.	Supported in Chrome 39+, Firefox 34+, Safari 9+, Edge 12+	MDN Web Docs
Default Parameters (function(x = 1))	Allows functions to have default values for parameters.	Supported in Chrome 49+, Firefox 15+, Safari 10+, Edge 14+	MDN Web Docs
Rest/Spread Operator (…)	Spread syntax for arrays/objects, and rest syntax for function arguments.	Supported in Chrome 46+, Firefox 16+, Safari 10+, Edge 14+	MDN Web Docs
Destructuring (const {a} = obj)	Extracting values from arrays or objects into variables.	Supported in Chrome 49+, Firefox 41+, Safari 10.1+, Edge 14+	MDN Web Docs
Promises (new Promise)	For asynchronous programming, used in place of callbacks.	Supported in Chrome 32+, Firefox 29+, Safari 8+, Edge 12+	MDN Web Docs
Async/Await	Syntax for writing asynchronous code in a synchronous style.	Supported in Chrome 55+, Firefox 52+, Safari 10.1+, Edge 15+	MDN Web Docs

Modules (import/export)	Enables modular coding with import and export keywords.	Supported in Chrome 61+, Firefox 60+, Safari 10.1+, Edge 16+	MDN Web Docs
Optional Chaining (?.)	Allows safe access to deeply nested object properties without checking for null/undefined.	Supported in Chrome 80+, Firefox 74+, Safari 13.1+, Edge 80+	MDN Web Docs
Nullish Coalescing (??)	Returns the right-hand operand when the left is null or undefined.	Supported in Chrome 80+, Firefox 72+, Safari 13.1+, Edge 80+	MDN Web Docs
Class Syntax (class MyClass)	Simplified syntax for creating objects and managing inheritance.	Supported in Chrome 49+, Firefox 45+, Safari 9+, Edge 13+	MDN Web Docs
Dynamic Imports (import())	Dynamically load JavaScript modules at runtime.	Supported in Chrome 63+, Firefox 67+, Safari 11.1+, Edge 79+	MDN Web Docs
Service Workers	Allows background scripts and caching for offline support.	Supported in Chrome 40+, Firefox 44+, Safari 11+, Edge 17+	MDN Web Docs