Florida VirtualSchool

Vendor Development Guidelines

Development Requirements

This is a list of bare minimum requirements that must be followed when developing FLVS course content and/or interactives.

WEB PROGRAMMING LANGUAGES APPROVED FOR FLVS COURSES
1. HTML 5
2. CSS2/2.1 + Globally Compatible CSS3
3. jQuery
4. jQuery UI

COMMENT SOURCE CODE - It is important to properly comment all code provided to FLVS in the form of either on-page syntax (/* comment */) or README.txt file.

FOLLOW COURSE DEVELOPMENT DOCUMENTATION – For all tasks related to course and interactive development you must follow the provisions and guidelines outlined in the provided course documentation. This includes the Development Checklist, Audio and Video Specifications, and FLVS System Requirements in addition to any other provided documentation.

INCLUDE ALL SOURCE MATERIAL – Please provide all source images, (e.g. .PSD, .AI, .AVI, .WAV) and other documents. Place all source material for course-related elements in a "src" folder in the root of the course directory.

TESTING & DEBUGGING – It is important that all content provided to FLVS has been tested and debugged before final release of files and content.

1. Validate all lesson pages and interactive elements using a current, standard W3C validation method against HTML5, CSS3 coding standards.
2. Verify accurate functionality of all content.
3. Verify spelling and grammar.
4. Test in FLVS supported browsers and operating systems:
   - https://www.flvs.net/student-resources/system-requirements

Prohibitions and Limitations

USAGE of NON-APPROVED 3RD PARTY SCRIPTS or SERVICES – All 3rd party libraries used in the development of interactives or course content must be presented and approved by the FLVS staff before they can be used in FLVS Courses.

IN-LINE / ON-PAGE CSS STYLING and JAVASCRIPT – The usage of any scripts or css styles either in the head of the page or on elements of the page is strictly prohibited. You may use the provided methods of adding individual style sheets and JavaScript files on a page-by-page basis.

USING TABLES for LAYOUT – Using table elements for any layout elements or page content designs that do not constitute tabular data structures is strictly prohibited.

LINKING to EXTERNAL SOURCES – Unless the course content requires you are strictly prohibited from linking to outside content delivery sources and all content must be localized to the course or interactive in development. This includes referencing any files in the cloud.

Standards & Settings

AUDIO / VIDEO
See the Audio and Video Specifications document for details on these requirements.
1. **Clarity** – Ensure that the quality and clarity of both audio and video are high and of professional standard
2. **Compression** – Ensure that the highest quality is output with the most reasonable resulting file sizes.
3. **Source Files** – Always provide all original source files.
4. **Export to –** All audio and video files must be exported to the following formats:
    a. **Video**
        i. MP4
    b. **Audio**
        i. MP3
5. **Video Size** – Maximum width of 640px output.

IMAGES

1. **File type** –JPG, PNG, SVG or GIF
2. **Quality** – Ensure images have a modern appearance, are cropped properly and the quality is not grainy or pixelated.

INTERACTIVES

1. **Instructions** –must provide easily accessible instructions within the interactive.
2. **Text Versions** – must provide text version for interactives that cannot be parsed by screen readers.
3. **Clear usage** – must provide clear usage by implementing strong User Interaction design by using bold, correctly placed buttons for form submission, and intelligently designed interactive elements, etc.

ACCESSIBILITY

- **SECTION 508** - Amendment to the Rehabilitation act of 1973. Must conform to sections 1194.21 and 1194.22 as these are standards specific to accessibility in web and software products.
- **Web Content Accessibility Guidelines (WCAG) 2.1** - provided by the World Wide Web Consortium (W3C). Must conform to all level A and AA guidelines.