

# IS 145 – Website Technology

## Final Project

### Project Directions

This is an individual final project. For this project you will (1) choose an advanced Web-related topic you are interested in, (2) research the chosen topic to identify sources that describe the topic, its purpose, and examples for how it works and where it can be used, and (3) develop a simple Web page (one HTML page along with any required CSS pages for a desktop and print version) that will display the information you found about the topic along with links to two related sites. (Example Web page format is shown on the next page). The page content should be a least 500 words.

The topic you choose can be from the list below or any other current or future Web-related technology/application.

### Example Web-Related Technologies and Applications

eXtensible Markup Language (XML)	eXtensible Business Reporting Language (XBRL)
XML Schema	Search Engine Optimization (SEO)
eXtensible Stylesheet Language (XSL)	Incorporating social media into websites
XHTML	Registering a domain name
Active Server Pages (ASP)	User experience technology for visually or hearing-impaired users
PHP	New digital payment systems
New digital image, audio or video technology	Cryptocurrencies
New website development tools	Voice search optimization
New Web browsers	Motion UI
Virtual reality or augmented reality	JavaScript Frameworks
Haptics	Serverless Applications and Architecture
Digital smell technology	Blockchain technology
Progressive Web Apps (PWA) or Accelerated Mobile Pages (AMP)	Internet of Things (IoT)
Web-based artificial intelligence (AI) applications	Cybersecurity
Chatbots	Ruby on Rails
Web-based analytics tools	JavaScript Object Notation (JSON)
Web applications for accounting, finance, etc.	Web applications for marketing
Brain-computer interface (BCI)	Or any other newer Web technology/application

### Grading

#### Executable files

- Create a folder named LastNameFP (in zip format) that will contain the HTML, CSS, and any other supporting files for this project.
- Upload your zipped folder in the course Blackboard page content area in the assignment named Upload Final Project Folder.

80 points possible

Example Web Page Format for the Desktop Version

Name of the Website Technology/Application	
Related Link 1	Related Link 2
<p><b>Heading 1</b> Content for heading 1</p> <p><b>Heading 2</b> Content for heading 2</p> <p><b>Heading 3</b> Content for heading 3</p> <p>Use as much space as needed for additional content. Images may also be included in the page body.</p>	
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Also develop a print version for this page to allow the user to print the content on one to three formatted portrait layout pages.

Choose any format you prefer for fonts, colors, styles, etc. The goal is to provide a concise and informative Web page about the topic that can be viewed on a desktop or printed.