IS 145 – Website Technology
Advanced Topic Project

<u>Project Directions</u>

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 mobile version) that will display the information you found about the topic along with links to related sites. (Example Web page format is shown on the next page). The page content should be between 500 and 1000 words, but it can be longer if necessary.

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

<u>Example Web-Related Technologies and Applications</u>

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

<u>Grading</u>

Executable files
- Create a folder named LastNameATP (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 Completed Advanced Topic Project Folder.

70 points possible

Name of the Website Technology/Application

Related Link 1	Related Link 2	Related Link 3

Heading 1
Content for heading 1

Heading 2
Content for heading 2

Heading 3
Content for heading 3

Use as much space as needed for additional content. Images can be included.

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Also develop a mobile version for this page so that is accessible on a mobile device.

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 mobile device.