NAME _____ Project 1 – Rubric

ISTE340 Client Programming

✔	Tasks	Points	Score
Web Design and Programming Principles			
☐	Professional looking web application, following modern web design principles and practices, that provides a meaningful content to the user.	10	
☐	Professionally structured & implemented website, following good programming principles and techniques (OO approach with the MVC architecture based on ES6 features)	10	
☐	The code is properly aligned and indented AND documented using comments in the expected format (JSDoc) that clearly explain the code functionality.	10	
Conditional/Cascading Selects			
☐	Each select must have at least 2 choices and there must be a depth of 3 different selects	5	
☐	Selects are dynamically created depending upon the user's previous select option.	5	
☐	The user can start over and the selects are re-drawn from the point of the user's new selection	5	
☐	The selection process includes a dynamically generated GUI element that changes in response to the user's selection	10	
Form Element			
☐	Once the user is done with the selection, a form is used to send the user selected options as well as additional data that are application specific (e.g. email, age, ...).	10	
☐	The form inputs are validated, and an informative feedback with restyled form elements is provided in case of invalid data. Do not use alerts in this regard. At least 2 inputs with an expected format to validate are provided. Validation needs to be performed by JavaScript and not by HTML5.	10	
Web Storage			
☐	Once the user is done with the selection, the Web Storage is used to store the selected options.	5	
☐	The data regarding the user choices are loaded from the Web Storage into the form. On form submit, all the form's data is stored in the Web Storage	5	
Browser Support			
☐	The application checks how well the user's browser supports the application's features and redirects the user to a different web page in case of no support. The check is performed in the beginning of the program, before allowing the user to interact with the web page.	5	
SUBTOTAL:		**90**	
EXTRAS: An excellent project (grade A) will have all of the requirements above PLUS something extra as listed below. The extra features (whether they are listed below or not) need to be discussed and approved by your instructor in order for you to proceed with the implementation. You cannot get more than 10 points for this rubric.			
☐	Explores an area of code we didn't cover in class (e.g. using a CSS preprocessor, front-end framework, ...)	10	
☐	Scalability: Your code is generic enough to adapt to have more than 3 selects of unknown depth. You have provided 2 data sets in this regard that the user can load and test by interacting with the web page.	10	
☐	Extended Functionality: Request and use additional data from 3rd party APIs (e.g. Google Street View, New York Times, ...). You may use the following web app to find an API: https://www.programmableweb.com/apis/directory	10	
EXTRAS TOTAL:		10	
DEDUCTIONS: A varying amount of points will be deducted for the following: Layouts done with Tables and HTML rather than CSS, CSS and JavaScript instruction found in HTML, and other non-acceptable coding practices.			
DEDUCTIONS TOTAL:			
TOTAL:		100	
COMMENTS:			