Java Web Programming Rubric

Criteria	1 – Below	2 – Approaching	3 - Meeting	4 - Exceeding
HTML / JSP	• Multiple body, html, head, or other unique tags exist • Elements are left unclosed	• p and br elements are used for spacing between content sections instead of using CSS padding and margins • div's are used to semantically enclose sections of content	• Content is contained within div's and is spaced and positioned using CSS • header, p, and other organizational tags are used appropriately	• Classes are used to identify content appropriately • Multiple classes are assigned to further disentangle CSS
CSS	• Inline styles are used • No CSS is present • ids are used more than once in an HTML document	• External CSS sheet is used, but very few modifications have been made to style the site • The same CSS is used repetitively due to poor attribute selection	• Class declarations are used throughout to apply common styles • CSS is normalized to prevent browser defaults causing problems	• CSS is well commented and DRY • Attention has clearly been paid to organizing CSS and making it as reusable as possible
Servlets	• Code is not commented • Methods are extremely bloated • Variables are poorly/confusingly named • Servlet is outputting HTML.	• Code contains some comments. • Variables are well named. • Servlet is not outputting HTML, instead a JSP is used.	• Code is well commented. • Appropriate methods are used to process POST vs GET routes • Controller logic is kept skinny, utilizing helper classes and/or JavaBeans as necessary.	• Conditionals are used within a single servlet to manage all of the requests instead of creating a different servlet for each individual action
JSTL	• JSTL is not present.		• JSTL for-each is used.	• JSTL for-each and if/choose are used.

Completion	● Application does not achieve desired functionality	● Functionality approaches MVP ● GETs and/or POSTs function properly ● Next/Previous buttons fail when the beginning or end of the list is encountered.	● Application achieves MVP	● Additional functionality beyond MVP, such as: ○ Filter Presidents by party ○ Filter Presidents by term length ○ Next/Previous buttons disable as necessary or scroll to the beginning/end of list.
Aesthetic	● No attempt was made to create an attractive, modern aesthetic	● N/A	● Site has a consistent and deliberate approach to web design	● Site has a “Wow” factor when compared to other group projects.
Object Oriented Programming	● Code is largely procedural ● Existing classes do not follow Object Oriented principles ● Static fields/methods are pervasive.	● Classes exist which adhere to the Single Responsibility principle ● Some procedural code exists, but is contained to bloated class methods. ● Fields and methods are mostly non-static.	● Classes all adhere to Single Responsibility ● Servlet delegate to helper classes and/or JavaBeans rather than doing everything themselves. ● Procedural programming is absent	● Data Access Objects (DAO) are used that handle all data logic. ● DAOs incorporate an interface to specify the methods that the DAO implementation class writes.