

SPRING MVC CRUD Rubric

Criteria	1 – Below	2 – Approaching	3 - Meeting	4 - Exceeding
HTML / JSP	<ul style="list-style-type: none"> Multiple body, html, head, or other unique tags exist Elements are left unclosed 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Content is contained within div's and is spaced and positioned using CSS header, p, and other organizational tags are used appropriately 	<ul style="list-style-type: none"> Classes are used to identify content appropriately Multiple classes are assigned to further disentangle CSS
CSS	<ul style="list-style-type: none"> Inline styles are used No CSS is present ids are used more than once in an HTML document 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Class declarations are used throughout to apply common styles CSS is normalized to prevent browser defaults causing problems 	<ul style="list-style-type: none"> CSS is well commented and DRY Attention has clearly been paid to organizing CSS and making it as reusable as possible
Spring	<ul style="list-style-type: none"> The project is missing necessary dependencies The spring framework is not configured correctly 	<ul style="list-style-type: none"> Spring dependencies are present in the pom.xml 	<ul style="list-style-type: none"> Web.xml and -servlet.xml files are configured properly 	<ul style="list-style-type: none"> A bean is used to create a DAO object on application startup
MVC	<ul style="list-style-type: none"> The Model, View, Controller pattern is not implemented Scriptlets are used to move any amount of logic into the View 	<ul style="list-style-type: none"> The application uses the MVC pattern to retrieve, manipulate and display data Bloated Controller methods exist 	<ul style="list-style-type: none"> Controller uses methods from other classes to access and manipulate the model Controller logic is concise 	<ul style="list-style-type: none"> Controllers are specific to their functionality Route names are contextual and specific to their purpose

	(JSTL should be used here)			
JSTL	<ul style="list-style-type: none"> JSTL is not present, embedded Java Scriptlets are used instead 	<ul style="list-style-type: none"> JSTL is used exclusively to write Response Parameter values 	<ul style="list-style-type: none"> JSTL is used to iterate through arrays of data, write values dynamically to html 	<ul style="list-style-type: none"> JSTL is used for conditionals and to track iteration through loops
Completion	<ul style="list-style-type: none"> Application does not achieve desired functionality 	<ul style="list-style-type: none"> Functionality approaches MVP GET routes function properly POST routes are present, some are functional 	<ul style="list-style-type: none"> Application achieves MVP Full CRUD implementation 	<ul style="list-style-type: none"> Data is persisted with Java File I/O
Aesthetic	<ul style="list-style-type: none"> No attempt was made to create an attractive, modern aesthetic 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Site has a consistent and deliberate approach to web design 	<ul style="list-style-type: none"> N/A
Object Oriented Programming	<ul style="list-style-type: none"> Code is largely procedural Existing classes do not follow Object Oriented principles 	<ul style="list-style-type: none"> Classes exist which adhere to the Single Responsibility principle Some procedural code exists, but is contained to bloated class methods 	<ul style="list-style-type: none"> Classes all adhere to Single Responsibility Objects are instantiated and passed to other objects for modification/use Procedural programming is absent 	<ul style="list-style-type: none"> Polymorphism is utilized to represent like objects