

## SQL GUI Rubric

Criteria	1 – Below	2 – Approaching	3 - Meeting	4 - Exceeding
<b>HTML / JSP</b>	<ul style="list-style-type: none"> <li>Multiple body, html, head, or other unique tags exist</li> <li>Elements are left unclosed</li> </ul>	<ul style="list-style-type: none"> <li>p and br elements are used for spacing between content sections instead of using CSS padding and margins</li> <li>div's are used to semantically enclose sections of content</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Content is contained within div's and is spaced and positioned using CSS</li> <li>header, p, and other organizational tags are used appropriately</li> </ul>	<ul style="list-style-type: none"> <li>Classes are used to identify content appropriately</li> <li>Multiple classes are assigned to further disentangle CSS</li> </ul>
<b>CSS</b>	<ul style="list-style-type: none"> <li>Inline styles are used</li> <li>No CSS is present</li> <li>ids are used more than once in an HTML document</li> </ul>	<ul style="list-style-type: none"> <li>External CSS sheet is used, but very few modifications have been made to style the site</li> <li>The same CSS is used repetitively due to poor attribute selection</li> </ul>	<ul style="list-style-type: none"> <li>Class declarations are used throughout to apply common styles</li> <li>CSS is normalized to prevent browser defaults causing problems</li> </ul>	<ul style="list-style-type: none"> <li>CSS is well commented and DRY</li> <li>Attention has clearly been paid to organizing CSS and making it as reusable as possible</li> </ul>
<b>MVC</b>	<ul style="list-style-type: none"> <li>Model logic is performed in the Controller</li> <li>Scriptlets are used to move any amount of logic into the View (JSTL should be used here)</li> </ul>	<ul style="list-style-type: none"> <li>Bloated Controller methods exist</li> <li>Helper classes exist but are used incorrectly, or sparingly</li> <li>JSTL is properly used in the View</li> </ul>	<ul style="list-style-type: none"> <li>Controller logic is concise</li> <li>Models contain most of the application logic and follow the single responsibility principle</li> </ul>	<ul style="list-style-type: none"> <li>A DAO is implemented to interact with the Database</li> <li>Application retains history of user's previous SQL commands</li> </ul>
<b>JSTL</b>	<ul style="list-style-type: none"> <li>JSTL is not present, embedded Java Scriptlets are used instead</li> </ul>	<ul style="list-style-type: none"> <li>JSTL is used exclusively to write Response Parameter values</li> </ul>	<ul style="list-style-type: none"> <li>JSTL is used to iterate through arrays of data, write values dynamically to html</li> </ul>	<ul style="list-style-type: none"> <li>JSTL is used for conditionals and to track iteration through loops</li> </ul>

<b>SQL</b>	<ul style="list-style-type: none"> <li>No SQL functionality implemented</li> </ul>	<ul style="list-style-type: none"> <li>Queries are returned without Metadata</li> <li>SELECT/INSERT/DELETE functionality are present</li> </ul>	<ul style="list-style-type: none"> <li>Queries are returned with Metadata</li> <li>Additional functionality was implemented</li> </ul>	<ul style="list-style-type: none"> <li>Input is scrubbed</li> <li>Interface displays list of available tables</li> <li>Interface allows drill-down to see table columns</li> </ul>
<b>JDBC</b>	<ul style="list-style-type: none"> <li>JDBC is not configured correctly</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>JDBC is configured</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Completion</b>	<ul style="list-style-type: none"> <li>Application does not achieve desired functionality</li> </ul>	<ul style="list-style-type: none"> <li>Functionality approaches MVP</li> </ul>	<ul style="list-style-type: none"> <li>Application achieves MVP</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Aesthetic</b>	<ul style="list-style-type: none"> <li>No attempt was made to create an attractive, modern aesthetic</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>Site has a consistent and deliberate approach to web design</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Object Oriented Programming</b>	<ul style="list-style-type: none"> <li>Code is largely procedural</li> <li>Existing classes do not follow Object Oriented principles</li> </ul>	<ul style="list-style-type: none"> <li>Classes exist which adhere to the Single Responsibility principle</li> <li>Some procedural code exists, but is contained to bloated class methods</li> </ul>	<ul style="list-style-type: none"> <li>Classes all adhere to Single Responsibility</li> <li>Objects are instantiated and passed to other objects for modification/use</li> <li>Procedural programming is absent</li> </ul>	<ul style="list-style-type: none"> <li>Polymorphism is utilized to represent like objects</li> </ul>