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| Templating Systems | 4 | <ol style="list-style-type: none"> 1. Distinguish classes and ID's. 2. Explain proper template implementation. |
| Database and SQL | 6 | <ol style="list-style-type: none"> 1. Describe queries and structured query language syntax. 2. Implement a relational database. 3. Identify entities and relationships in a database. |
| Cookies | 3 | <ol style="list-style-type: none"> 1. Differentiate the function of internet protocols for identifying users. 2. Explain the security risk of cookies. |
| Model-View-Controller design | 8 | <ol style="list-style-type: none"> 1. Define the MVC model. 2. Create applications utilizing MVC. 3. Implement a live web based application. 4. Explain the benefits of MVC as a design. |
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| COURSE OUTCOMES* | At the successful completion of this course, students will be able to: |
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| | Describe the front and back-end development process of creating a web application. |
| | Demonstrate how to combine a server, database, and user interface to create a web application. |
| | Design, create, and implement a web application. |
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* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.