**CST-361 CLC-Project Guide**

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# Milestone 2

The focus of Milestone 2 is the continuation of the planning and upfront design work, as well as finalizing the IoT embedded application and back-end web application. To complete this milestone refer to the guidelines below:

* Update the project management goals, objectives, and tasks.
* Ensure instructor approval for the IoT application, IoT embedded device, and the deployment strategy.
* Update the UML diagrams for use cases, classes, and deployment.
* Update the UML component diagram of the complete end-to-end solution.
* Create the initial user interface wireframe designs for the IoT reporting application (draft of user interface web pages).
* Create the initial database design and object models to support the IoT data and reporting.
* Update the design report initially started.

**Deliverable**

Design Report (no code is expected to be delivered)

*Requirements*

**Cover Page**

**Technical Elements**

Requirements will be captured using UML use case diagrams.

Solution will be captured using UML class and component diagrams.

Object model will be captured using UML class diagram.

Deployment strategy will be captured using UML deployment diagram.

Initial user interface will be captured using a wireframe diagram.

Initial database design will be captured using an ER database diagram.

**Non-Technical Elements**

Planning and delivery methodology

Possible unknowns or risks identified for the project

*Performance Level Ratings*

|  |  |
| --- | --- |
| **Meets Expectations** | Performance consistently met expectations in all essential areas of project construction, at times possibly exceeding expectations, and the quality of work overall was very good. The most critical goals were met. |
| **Near Expectations** | Performance did not consistently meet expectations. Performance failed to meet expectations in one or more essential areas of project construction and/or recording, one or more of the most critical goals were not met. |
| **Below Expectations** | Performance was consistently below expectations in most essential areas of project construction and/or recording, reasonable progress toward critical goals was not made. Significant improvement is needed in one or more important areas. |

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| --- | --- | --- | --- | --- |
| **Criteria** | **Below Expectations** | **Near Expectations** | **Meets Expectations** | **Earned** |
| Approved IoT Application | 0 pts – 6 pts | 7 pts – 9 pts | 10 pts |  |
| The team updates the design report. The documentation is well presented and includes all technical and non-technical elements. | 0 pts – 20 pts | 21 pts – 29 pts | 30 pts |  |
| Writer is clearly in command of standard, written, academic English. Prose is largely free of mechanical errors. | 0 pts – 6 pts | 7 pts – 9 pts | 10 pts |  |
| **TOTAL** |  |  |  | **/50** |
| **Instructor Feedback** | | | | |