**Goal:** The goals to the project are as follows:

1. Using SQL Server Management studio, create a physical design of a database to support all the MRP use cases provided.
2. Conduct CRUD analysis of the database. This will include the following
   1. Develop a CRUD table for each use case.
   2. Create indexes for the application based on analysis of the CRUD tables.
   3. Develop two views as follows:
      1. A view to show customer demand and actual inventory available
      2. A view to show assigned work to a HiLo driver

**Deliverables:** Upon completion, you must provide the following:

1. A script that will implement the database design, indexes and views.
2. A script that provides test data.
3. A document that describes the decisions you made based on the CRUD tables for indexing. Please provide detail and assumptions made.

**Approach:** You must be a member of a team of two to three people. As you form your team, try to ensure an appropriate balance of skill and talent is on your team. (If you truly want to work alone, you will still be required to complete the same amount of work, and you will still be required to create a work breakdown structure identifying all the tasks you anticipate.)

By Tuesday, April 4, your team must provide a work breakdown structure (WBS) identifying team assignments. The format for that is below.

**Evaluation:** The points for the project will be awarded as follows:

|  |  |
| --- | --- |
| **Criteria** | **Points** |
| Database Design Covers all Use Cases. | 20 |
| CRUD Analysis is provided and obvious application to indexes | 10 |
| Implementation script works without error | 10 |
| Team member assurance you fulfilled your part of the WBS | 5 |
| Total | 50 |

**Work Breakdown Structure:** To assure some fairness in the workload and grading, you are expected to commit to a specific portion of the team project. This can vary, but some tasks will most likely be shared by all (database design) and some by individuals (stored procedure development). Please complete this by November 9.

|  |  |  |
| --- | --- | --- |
| Team Member | Tasks | Comment |
| Name: | Task 1 |  |
|  | Task 2 |  |
|  | Task 3 |  |
| Name: | Task 1 |  |
|  | Task 2 |  |
|  | Task 3 |  |
| Name: | Task 1 |  |
|  | Task 2 |  |
|  | Task 3 |  |