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Designing Information Systems

Assignment 3

10/1/17

**Functional Requirements**

* Allow for the entry of new contracts as they become available
* Direct existing contracts to the appropriate work areas
* Allow machine operators to view what contracts are available for their area in order of their due dates
* Allow machine operators to update time requirements and progress of each contract as it progresses
* Allow management and analysis personnel to track the progress of each contract to address concerns relating to productivity and the flow of work through the facility
* Store updated time requirements so similar contracts in the future will have more accurate predictions associated with their expected completion date
* Move completed contracts out of the system and into a database that stores historical data in case they must be analyzed or addressed later
* Provide analysts with a way to view current production data and forecasts, as well as a way to produce new forecast predictions based on that information
* Allow the CEO to view necessary manufacturing, productivity, and forecasting reports

**Data Flow Diagram**



**Use Case Diagram**

