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CST 2406

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Requirement Analysis

The new system must have consolidated the data from all the company locations. The system must be able to capture and record all of the data required by the company from all the different entities. The system must be able to manipulate the data it captures and records in order to increase accuracy and efficiency in the tutoring session for every day. The system must keep records of the performance of the clients on tests related to subjects they have received tutoring in in order to determine the success rate of the company and to make changes that will either increase the success rate if its low or make changes to produce high success rates in all the location should any have low exam scores.

Administratively the system must be able to keep records of all the locations and the entities with in those locations. The system must have accurate and current data records of the tutors, clients, and location staff. This data will allow the company to have accurate numbers in terms of staff and tutors working for them as well as how large their client base is.

Analytically the company needs to keep track of the exam scores of the clients they tutor in order to determine how successful the company tutoring really is or in order to determine which location has the best tutoring practices to reproduce them in other location. Capturing the test scores would allow the company make statistics to demonstrate how successful they are against their competitors.

Externally the system need to deal with clients and suppliers. In terms of dealing with suppliers they system needs to have an interface that the suppliers can interact with in order for them to have the ability to check the current inventory and make an order of supplies for a particular location when its supplies are low. The system also needs to have supply tracking system in order for the system to be able to place order automatically to the suppliers when the supplies are low. In terms of clients the system needs to provide an interface that is very user friendly and which can process a lot of information quickly and efficiently. The user interface has to allow the user to create an account with the company, pay for session, schedule sessions, and update sessions. The interface also needs to accommodate the needs of the tutors and allow them to make changes to sessions just like the client except with different aspects of the session like suggesting substituting tutors when a tutor can’t make a session, allow the tutor to determine the tutoring needs of a particular client to allow the tutor to determine if he or she is the adequate tutor for the client.