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CST 2406

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Requirement Analysis

The new system must consolidated, expand, and manipulate the data from all the company locations, clients, tutors, and staff. The system`s ability to manipulate the data it captures and records will increase accuracy, efficiency, and usefulness of the data. Which will in turn increasing every day revenues, productivity, and company success. In order to achieve this the system will be composed of various client, supplier, administrator, and analytical features.

Two of the client features that the system would be comprised of are the ability to allow the clients to create profiles and manipulate in real time their tutoring requests. The profile would serve basic functions such as allowing the client to login in order to receive information, brows the subjects offered, examine tutor profiles, and pay for tutoring sessions. The profile would also be the medium through which the client can have their level of ability in a particular subject assessed. Through their profile the clients would have the ability to initiate and request tutoring sessions as well as manipulate the details of these sessions in real time. The system would have to allow the clients to request, cancel, and adjust tutoring sessions. The client would request a tutoring session for a particular tutor at a location of choice. Once that has been done the client will need the ability to adjust their session as they need to. In terms of location change, if the client will late, time change requests, session cancelation, tutor substitution should a tutor not be able to make it. The system would have to be able to process thee changes as they happened as well as notify the tutors, clients, and company locations of the changes.

Two of the supplier feature the system would have to have are the ability to keep track of the supplies for every company location and notify suppliers when supplies are low at a particular location. As well as provide suppliers with access to the system so that they can actively check the supply levels at the various company location at their own convenience. Along with the access to the system the system would also have to allow suppliers to submit billing to the company and receive payment for zed bills all through the system itself. Through these system features the system would be able to track supplies and notify suppliers when they are low in order to have suppliers restock the various locations when needed. As well as provide means for the suppliers to check the supply levels themselves as well as allow them to submit bills to the company and receive the payments for them. The bills should be made to the company its self not to the individual locations which is another feature the system would need the processing and submission of bills. The bills should contain details about which location was restocked but should be made out to the company as a whole to avoid having to track unpaid and paid bills for each and every location.

Two of the Administrative features the system would have to have are the ability to create tutor and office staff accounts and allow for routine maintenance and system upgrades. The system would have to be able to allow administrators to create accounts for the tutors and company staff these accounts would be set up to comply with their need and capture the information the company needs from each of them. As well as have the different restrictions that apply to each type of account instated. In terms of maintenance and upgrades the system should allow the administrators to perform routines that keep the system functioning efficiently and accurately as well as allow for upgrades whether they are software or hardware. The system needs to allow administrators to modify or add system software functions to the current system with the most minimalistic effort and time consumption. In terms of hardware the system should allow administrators to add and configure new additions of hardware without disturbing or interrupting the systems daily function and performance.

Two of the analytical features the system would have to have are the ability to generate statistics from the gathered data and to mine the gathered data for tutoring trends. The ability of generating statistics would allow the company so see how it`s doing in several fronts. The system would generate statistics about the success of the various company locations, the success of the company against its competitors, client`s state exam scores, and revenue expectancies and current revenue incomes. The system would mine the recorded data for trends in subjects requested, tutor success trends, and high service demand trends. All of these statistics and trend recognitions would benefit the company in one way or another and allow the company to improve aspects that are lacking and give the company the opportunity to be able maximize its revenue.