Case 1:

Reason’s of Failure:

1. No. of requests exceeding the limit.

Solution: This problem can be solved by using more number of data servers that allows more number of users to connect to the database and request for information. Also, we can increase the capacity of the servers to handle to requests by upgrading the firmware of the server.

1. Company’s system doesn’t meet the requirements

Solution: The customer must inform us with the exact specifications of the company’s systems so that this error can be prevented. Also, the software can be tuned to work in lower level systems by sacrificing performance which is not recommended.

1. Interruption by foreign software causing system crash

Solution: It is the duty of the customer to provide a safe working environment for the software, so that it is not interrupted by any other competitive software installed previously on the systems.

1. Commercial pressure

Solution: Commercial pressure can happen due to tight schedules and poor planning. We as developers need to schedule the work and distribute those work to specified members of the team. Also, we need to set the schedule that can be followed by the developers, rather than trying to rush and end up with failures.

Case 2:

1. Unavailability of needed resources.
2. Poor communication among customers, developers, and users
3. Development Downtime

Efforts to convince the customer:

We as developers will try to explain our process model to the customer and would like to communicate more with them. As the fault is not only ours we would communicate to them that we need to have access to more information about your institute. Also we can share the downtime security breaches that occurred during the development process.

Problem Statement:

# Infrastructure Management

Our software can be used by administrators of institutions with huge campuses, having many facilities and infrastructure, to effectively manage and facilitate the members of institution.

Brief Work Envisaged in Lab

1. To identify the process model suitable for development.
2. Design domain model, ER diagrams and DFDs.
3. Create SRS and FRS.
4. Design UI/UX.
5. Implement of high level design
6. Reimplementation of the same with proper changes.
7. Testing and Debugging