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**ISYS3001 Assessment 2**

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# Executive Summary

The company contains 4 branches at different locations and the problem for required solution is to manage the data of all shops at a central location Some basic details of the system are mentioned:

## The Current Scenario:

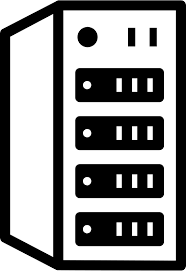
The company contains different shops in different areas following are our problems to approach this system

* Data transformation is very tough when managerial staff requires to see the daily reports or monthly reports they have to call managers of regarding shops with reports it costs company travelling and accommodations
* Records of customers are hand written and there is fear of losing them
* It is very difficult to manage staff records like their salaries + attendances (Bunos , accommodations)
* Data is not secure in paper anyone can steal and read or modify as well
* There is no proper way of marketing of products
* A feature is wanted in system to perform a communication between central headquarter to different shops

We want :

* A Customer relationship database which shows proper relations of customer products (new purchases and repairing products)
* A Marketing system to do marketing of company products in different areas as well as on social media (facebook,instagram etc). We want this feature in our system so we can share any kind of details of products of social media to deal with online customers
* We want to have a portal where we upload the products along the details and customers can see the products and put request for purchase
* A Stock management system to manage the shops stocks like managing the new products(sold + available in stock ) as well as products received for being repaired and their delivery details
* Reporting for managerial staff to know about products fell short in stock and products sold and all the details of products for repairing (cost for repair and date for delivery)
* The system should be enough flexible to expand the business in future as software technology arising in future so system should be flexible enough to attach with new business
* System should have customer care portal in which customer write about product if they have any query
* Regarding technical specifications , system should be developed using fast growing software technologies .

# A System Flow Diagram



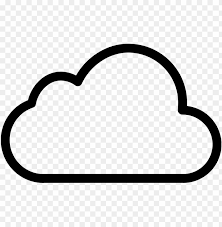
**The server on central head quarter**

Shop Computer 2 Shop Computer 1

Shop Computer 4 Shop Computer 3

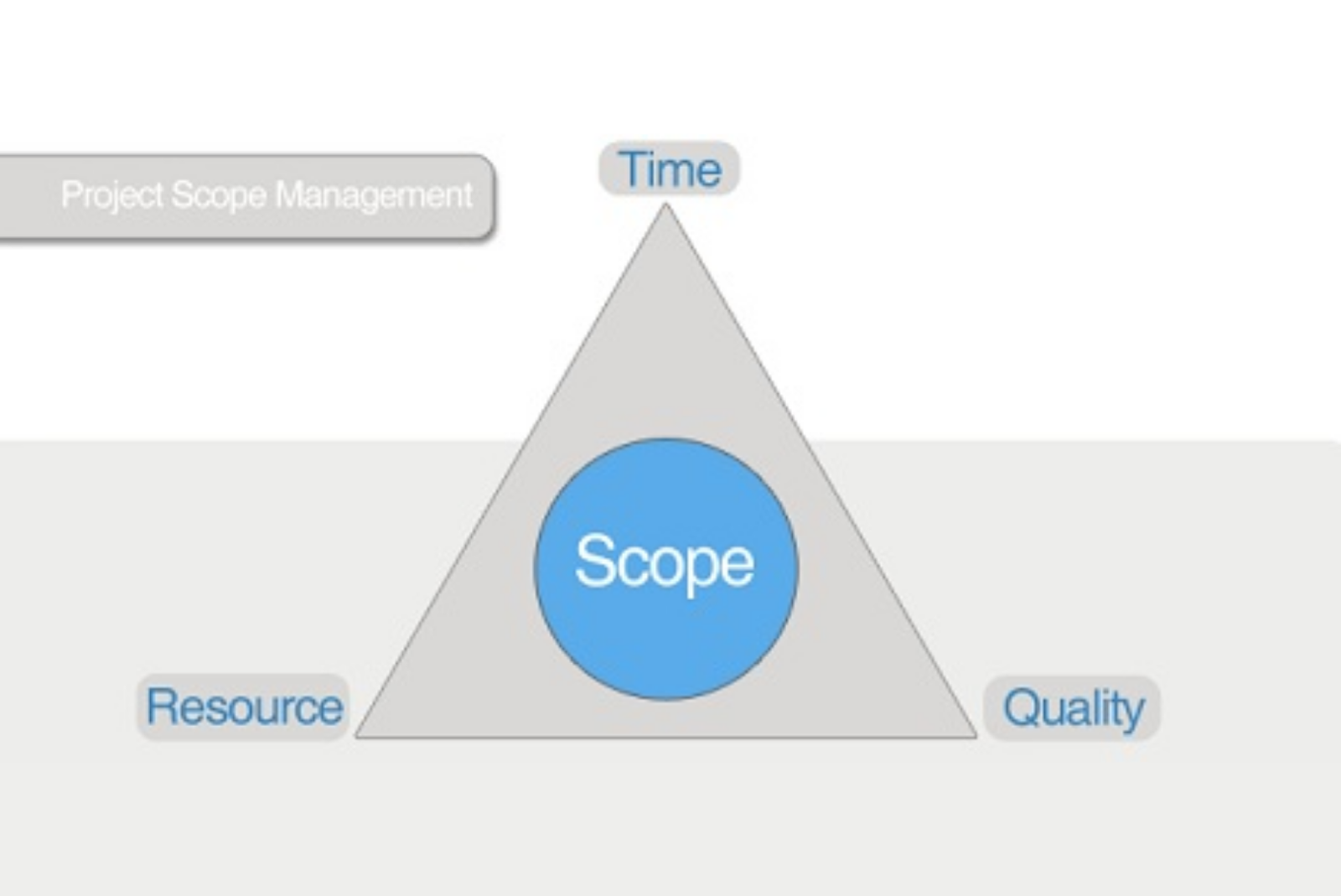
 



The cloud database

According to the above picture , All the data should be gathered on the cloud and can be delieverd to any locations

# Project scope and deliverables:



## Project Management :

It includes following things

## Communication Methods

Most of the communication should be a face to face meeting with developers , technicians , project senior leads after some times online communication mediums can be used as well (E-mail , Messaging etc)

## Development platform

What development platform is being used should be provided, take care of languages limitations and dependencies while choosing

## Testing Methods

There should be unit testing as well whenever a module is completed it should be assigned to a special designed team to test and provide the results to upper management team

## Project Management Tools

Tools for prototyping , for testing , for development should be mentioned and make sure use licensed products to avail the full features of project

## Assuring Quality

A designed for assuring the quality of the system should be in contact with Us to i nform about deliverables (outcomes of working)

# Infrastructure Requirements:

Infrastructure should be clear as follows:

* Provide all the techniques and components to secure the data over the network as company has to gather data from different locations on a single point
* Care of Hardware components should be taken as well (wiring and proper placement to avoid natural disasters)
* Care of software infrastructure like locking and unlocking of admin sights , hide unnecessary data from lower staff
* Encryption of secret data like employees salaries + their personal information
* System for staff management should have face locking , fingerprints feature as well which are may be usable in future

# Functional Design for System :

Functional Design contains following :

## High Level:

Hight level functionalities are visible to human like hardware components layouts their placements , software design and models relations at server side

## Low Level:

Low level functionalities are hiding from human like hardware inside components specifications and software database indexing , searching , querying and updating, database should be contain proper relations in tables to avoid duplication and any difficulties when querying data of different shops

# Time Line for bid submission

Time line for bid submission is closing tomorrow night we request to bidders to make sure covering all the requirements mentions above before submission

# Format For Vendor Bids:

A request to bidders to submit their proposal in following format

* Mention your summary of organization and past famous past projects
* A short description of your technical staff
* A quotation for budget , project milestones and deliverables
* Availability of time for a short meeting with us

# How We Evaluate:

We consider following points while evaluation the proposals

* How many famous projects a company have and had in past
* What are their deliverables and milestones strategy
* How they consider the testing phase of system
* How responsive their are while communicating
* How their proposal is concise and understandable