**Case Study #1**

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**Case Study**

**Client selection Process:**

For Both client A and B, as a developer team, the project requirement that they we need to do before the developing of that system. First, we need to gather important data for the needs of system, which is conduct an interview to have ideas the developers regarding to the system. Therefore, for the risks of this system, as a developer, it is about data security and privacy but in this case. This system is for the company who managed a large organizations, we assured that this system, were developing is secured from any data leaks or any threats, we're put an encryption to assured that all credentials are safe and secured. For technical complexity, the system need to implement or provided a real-time updates for their system to maintain the consistency of the system and ensure that requires all data accuracy for management transactions. Additionally, it’s provided from maintenance, every week if there's any add or change features. So, this system, if gonna implemented, this well be benefits the company in cost saving, because it can reduced their manual works and provide them a inventory system and so on. In addition, the system we're develop to a company is friendly user and easy to manage or use for the admin or staff.

**Risk Assessment:**

Therefore, this system have a potential to have risk, if the person who manage the system didn't know how to handle a system. The potential risk, that the system faced, is about that data security, so as a project manager and developers, we need to input a security to assured that all credentials of all persons who have records in the system are safe and secured via database. Moreover, user error, because sometimes, errors, like in encode information that occur during data entry or retrieval might lead to inaccurate or incomplete patient records, which can lower the standard of medical care.

**Team Capabilities and Resources:**

For our team as developers, we need to build a strong decision-making regarding to the upgrading security for their system to assured that their system have a strongly secured from any hacking or malicious threats. It's important to everyone as a team to have a capabilities and skills to develop a success system. If everyone's have unity to managed and organized plan, it will became success this system.

**Software Development Framework and Tools Evaluation:**

For the Frameworks that uses for this developing a system is both front-end and back-end. Because as a developer, we need to design first an UI or User Interface for the system and what are the flow and functionalities that need for that system. In addition, for the back end, it's already including the logical operation thinking that uses for coding such as html, css, JavaScript, php, java, c# and other many langauge for developing a system that connected to MySQL server or database management to compile and organized all the records. Including of adding authentication authorization for the security of all credential records or files.

The benefits of each framework and tools, can help the developers to identify what are the languages need to use and it can easy to code if there's have a user interface already. It can lessen to think what designing need for the system and reduced over workload for the programmers.

**Client Requirement Clarification:**

In this phase, the team had need to conduct an interview for the client to gathered information regarding to the system that want to develop. It is important to gather an information to have a knowledge and idea, on how we start to develop a system they want to implement to them. It can help a developer, what specific system, functions, design they want, it can lessen to the developers to guess or predict the system they want if, were not gathered information. Including to ask them, who's the person will

manage the system and it will agree to be were partnership for developing the system, but while we're in the process developing, we need to get there opinion regarding to the system, for us to know if there any want to change or add in design or features of the system.

**Stakeholder Involvement:**

As a developer, we should know whom stakeholder will involve to, manage and used the system we're developing and the system are automatically friendly user interface for easily used. We need to make a plan for developing this system. First thing, we need to set a meeting or conduct interview for the client to gather information has and gave as details regarding on the system. For the goals of this system is make reliable and secured because of the credential will input in this system. So, that they can use it for a long time term, and avoid the cost for updating or upgrading the security of the system.

**Decision Communication and Rationale:**

The first thing, the project manager need to assigned each member of team, what they need to such as, as programmer, data gatherer, User interface design, and so on. Secondly, they need to conduct an interview to gathered an information and list all the important needs for the system to make it high quality and efficient for the user and for the company. Third, we need to have a partnership for the client, if ever we have questions in the ongoing process of the system, also, if they have any suggestions like for the design, security, features and functions of the system. Fourth, for the testing of the system. If they have need to change or add features, and who will manage or handle the system if the system became implemented and success.

**Contingency Planning:**

For Contingency plan for developing a software, as a project manager. I need to identify the possible technical challenges/Issues that Unforeseen while coding. Need to make a solution quickly that need to resolve within the team. We need also to maintain, communication with the stakeholders involve and ask them for addressing any changes and update them regularly on the project process if ever they have seen and suggest any potential changes. Also, assigned every each of member to do their responsibilities concerning to risk monitoring and protection.

**Monitoring and Evaluation:**

Need to continuously monitor the system, while processing and suggest any concern if have something bothered about the system functionalities and so on.