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Project Deliverable 1: Project Plan Inception

Student's Name

Professor's Name

Course

Date

*Project Introduction***Background Information of the Company**

Us-Trade is a business-to-business trading platform that offers third party goods and services and allows payment of those goods and services by United States business owners and buyers from various suppliers in China. Ideally, I plan to introduce the Us-Trade in the United States to link customers from the United States with sellers from China. Here, the buyers from the United States will be able to get products at different prices and therefore he or she will have the opportunity to choose the lowest price that he or she wishes to incur. Us-Trade is a start-up company that has not been in operation and therefore it is being launched in the United States market. This means that there is no building or information technology that can support this start-up business. Here, Us-Trade has been in operation in China under a different name, and it has been able to link China business owners and buyers with several suppliers in China.

Currently, the Us-Trade start-up business has ten employees with revenue of \$5 million. However, in two years, the Chief Financial Analyst (CFO) projects that the company will grow to 30 employees with net revenue of \$30 million. In this information technology plan, the Chief Executive Officer (CEO) has allocated me, as a Chief Technology Officer (CTO), sixty days to come up with an information technology plan since the start-up business wishes to migrate into a new facility in the United States. In this information technology program, I will discuss the type of activity that is being launched and a description of the information system of that business. The information system may include the databases of the firm, the system analysis of Us-Trade, and the security of the company, the networking capabilities, the computer infrastructure, human-computer interaction, and the web design.

Type of Business

As stated earlier, the Us-Trade company that I plan to launch in the United States is a business-to-business trading platform that ensures trade between business owners and buyers in the United States and vendors in China. The type of business, therefore, that I plan to launch is a business-to-business trading business or platform, which has been in operation in China and not in the United States.

A Description of Information System

When starting up a company, an information system ought to be implemented (Fitzsimmons et al., 2008). Ideally, an information system is necessary since it smoothens the operations of the business, it allows the management to keep tidy records, and it assists them to prepare financial reports in a timely and efficient manner. For Us-Trade, I will discuss its database, system analysis, security, networking, a computer infrastructure, human-computer interaction and web design. Below is an analysis of the information system of Us-Trade.

1. Databases

A database is a set of data available in a computer that can be accessed in various ways (Schwalbe, 2015). In the Us-Trade start-up business, the databases would include data about the suppliers and data about the products and services they offer. Additionally, the database of Us-Trade may include data on the prices of those goods and services, the delivery time of distributing their goods to the business owners and buyers and any additional charges that the firm owners and customers may incur as a result of purchasing from the suppliers in China.

2. System Analysis

System analysis involves the development of a new information system that could aid in the day-to-day operations of the business (Schwalbe, 2015). Since Us-Trade is a start-up business, it does not have an information system and therefore a new data system ought to be

established. For Us-Trade, I plan to create an executive support system (ESS), a decision support system (DSS), a management information system (MIS), and a transaction processing system (TPS). For an information system to work correctly, it must have a hardware, software, the data, the procedures, the people, and feedback.

In the Us-Trade business, the hardware will be the computer infrastructure, the software will be the Windows operating system, and the data will be the information about the vendors. Furthermore, the data will be data on the products they offer and their prices; the procedures will be the policies that govern the computer system, the people will be the buyers, sellers and the employees and the feedback will comprise the comments about the products.

3. Security

To enhance security in Us-Trade, I would incorporate authorization and approval procedures, physical controls, segregation of duties, change passwords regularly and annual reviews.

4. Networking

Networking involves linking of computers to operate efficiently in a company (Schwalbe, 2015). In Us-Trade, I will implement a star network topology since it can be able to connect 30 employees as the company expands. Besides, it is a secure network topology since data is stored and recorded on the server and can only be manipulated on the server.

5. Computer Infrastructure

The computer support of Us-Trade would comprise a hardware, software, network, and services required for the operation of the enterprise IT environment.

6. Human Computer Interaction

Human-computer interaction is the study of how users interact with computers. The management of Us-Trade could use User Acceptance Testing (UAT) to test its IT information system.

7. Web Design

Web design is the process of creating a website. For Us-Trade, I would ensure that its website is visually appealing, simple to use and has consistency.

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References

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- Schwalbe, K. (2015). *Information technology project management*. Cengage Learning. Retrieved on 9 July 2017.

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