Strayer University

**APPLICATION ARCHITECHURE**

Week 1

**Project Plan Inception**

for the

Course of

Information Technology Capstone

10/14/18

By

Kennedy Kabaso.

Professor: Barrett Christopher

**Project Plan Inception**

**Section 1: Project Introduction**

This paper is about the project of an innovative e-Commerce start-up company that a venture capital group has funded. As the Chief Information Officer and Chief Technology Officer, I have been given a duty to deliver an information technology project plan in anticipation of the company locating to a new facility. Before I go any further, I would like to define the primary goals of the Inception phase which are to achieve stakeholder consensus regarding the objectives for the project and to obtain funding. The major activities of the phase include: Define project scope. This includes defining, at a high level, what the system will do Then will get into consideration of the type of the databases needed for the company, then will go and do an analysis of the systems of the company, the needed security to protect the internal wall of the network, all different types of networks, the computer infrastructure, the human computer interaction and finally the Web design which will make our business easy to access.

1. **Background Information of the Company**.

The company’s name is Book Smart Inc and it is a startup company. It is working with major companies to sell different books all over the world. The internal company is a new facility which is a two-story stand-alone building. It is currently consisting of ten employees with a revenue of $5 million but is expected to grow to thirty employees with revenue of $30 million over the next two years.

1. **The Type of Business Involved in**

The company is involved in selling books like amazon. It is an E-business activity which sales online only. In addition, its sales directed at consumers and to various business.

1. **A Description of the Information Systems**

**I. Databases**

The company is going to have a database which will have the company information and customers. Therefore, it would make the information more useful, easy to access and protected by using the database management systems. Moreover, it would be integrated with our partner databases to make the transaction easy and the exchanged of books not available in our databases easy to move from company to consumers.

**ii. Systems analysis**

To cut down the cost of running the company and private room for growth. An analysis of all the system would be taken into consideration because it would provide an avenue for solutions in the system through the various tasks involved in doing the analysis. In addition, it would give use a chance to study the existing system to determine how it works and how it would meet the customer ‘s delivering process.

**iii. Security**

To make sure our business and customers data are protected, we would establish a safe and secure network for our company which will protect our assets which will be our primary goal. This would be done by protected our network and computer using best practice so that customer transactions are encrypted.

**iv. Networking**

The network is going to be set up which include a Business Networks and the Internet. It will make it easy for employees to access the Internet during the order processing methods. To make some important data private, we will setup virtual private network (VPN) servers to support remote access, with employees

**v. Computer infrastructure**

The computer infrastructure is going to be made by linking all the computer to the Network infrastructure. It will include all the hardware and software resources of an entire network that enable network connectivity, communication, operations and management of an enterprise network. It will make the communication path and services between customers, processes, applications, services and external networks which is the internet.

**vi. Human computer interaction**

The users are going to find it easy to interact with our company by using the smart application which can be download on their phone. It will simplify the whole process of ordering books on any mobile devices.

**vii. Web design**

The company is going to have a database which is connected to the website. What am going to do about this is setup a server which is the main piece in this project. It will have the database for the whole of the company employees in the company. It is going to be secured with an updated security software.  And it is going to be easy to manage all the files, backup them, and the recovery is going to be easy as well. Any ongoing change in the world of software, it will be easy to upgrade to a new one. Moreover, it is going to be managed by a Database administrator whose duties are install, configure, design database, migrate, performance monitoring, secure, troubleshoot, backup, recover data and lastly, making sure it is running smoothly. For this to be secured and work perfectly, an Intranet will be the best network connection. Therefore, I will setup the Intranet on a Wide Area Network (WAN) where employees can login and get access to the payroll

**Bibliography.**

1. (Kerzner i) Kerzner, Harold R. *Project Management - Best Practices: Achieving Global Excellence, 3rd Edition*. John Wiley & Sons P&T, 01/2014.
2. Roberts, D. (2013). *Unleashing the power of IT*. (2nd ed.). Hoboken, NJ: John Wiley & Sons, Inc.
3. http://www.ambysoft.com/unifiedprocess/aup11/html/inception.html<http://support.sas.com/resources/papers/proceedings17/SAS0436-2017.pdf>