



## Reach Out Employees – CXO's Blog

### **Minor Project**

*Disclaimer*

*This Software Requirements Specification document is a guideline. The document details all the high level requirements. The document also describes the broad scope of the project. While developing the solution if the developer has a valid point to add more details being within the scope specified then it can be accommodated after consultation with IBM designated Mentor.*

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## INTRODUCTION

The purpose of this document is to define scope and requirements of a Simple blogging tool – CXO's Blog for the employee Intranet of a large business house. This will be a forum for the Senior Management at CXO level to share interesting anecdotes with an underlying message to reach the employees irrespective of their location. The blogging tool is expected to provide:

1. A very simple clutter free user interface.
2. Exceptional ease of use for blog entry, and its formatting.
3. The readers of the blog can drop comments related to the blog entry.

This document is the primary input to the development team to architect a solution for this project.

### System Users

The entire staff of the business house is expected to benefit from the simple blogging tool – CXO's Blog.

### Assumptions

1. Chief's Blog will be integrated with the existing company's intranet and therefore it will leverage the existing Intranet's authentication mechanism.
2. The rich text editor customization is part of the project. The TinyMCE provides an advanced set of formatting features. To keep the CXO's Blog simple, the developer is expected to customize select few features as shown in the header of the CXO's Blog Entry Screen as given in this document.
3. The screens provided in the document should be used as a guideline to design and develop the functionality. They may not include all features expected to be part of the project.

## REQUIREMENTS

CXO's Blog will allow the users to create blog entries, or publish them. The user interface for readers of the blog is outlined on the next page.

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### ***Descriptive Statistics***

Descriptive Statistics is one of the simplest techniques used in quality management to obtain a meaningful insight into the data being analyzed. [Click to read more >>](#)

### ***Box Plot***

Box Plot provides an intuitive graphical representation of the five number summary of a dataset. The five number summary consists of Minimum, Q1, Q2 or Median, Q3, and Maximum of a dataset. John W. Tukey introduced the concept of Box Plot in his book Exploratory Data Analysis, published in 1977. It is also referred as Box & Whisker Plot. [Click to read more >>](#)

### ***SIPOC***

SIPOC is a high-level picture of the process that depicts how the given process is servicing the customer. It is an acronym for Suppliers-Inputs-Process-Outputs-Customers. [Click to read more >>](#)

### ***Operational Definition***

Operational definition is the first step towards effective management. It helps us build a clear understanding of a concept or a phenomenon so that it can be unambiguously measured. [Click to read more >>](#)

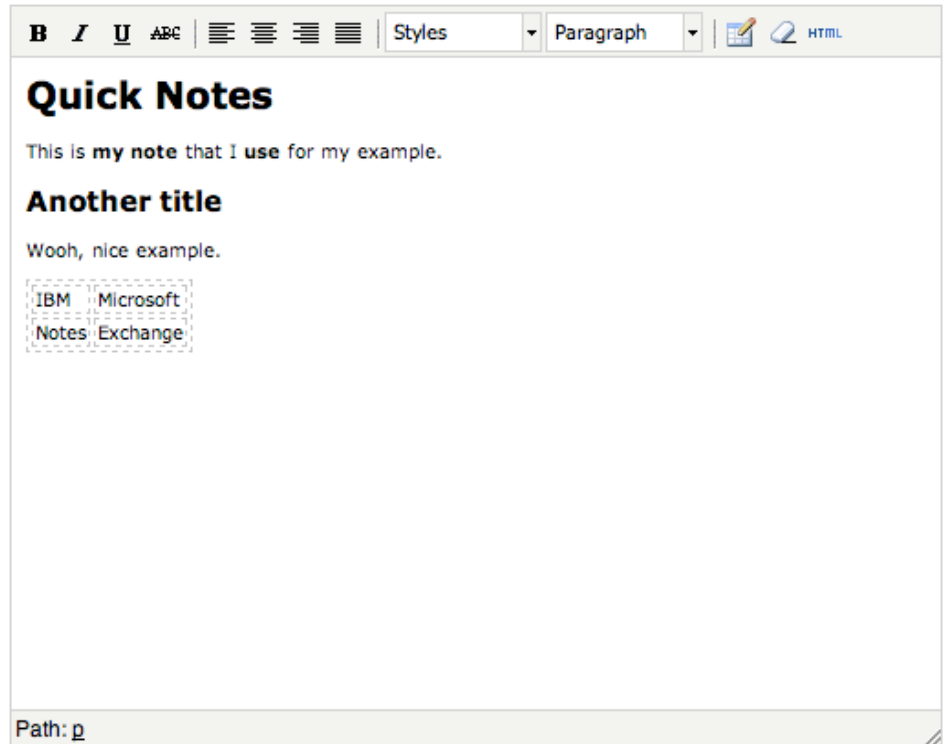
Logged in employees will view blog page with header and today's date. The content section will display each blog entry as blog title, an Excerpt of up to 3-lines (taken from the content) with a read more... link, and the comments count (not shown here). There is a 2-line gap between each of the blog entries listed.

### **Blog Entry**

A customized rich text editor integrated from TinyMCE will facilitate CXO's Blog entry. User will be able to enter Article title, Article text, insert a table. Apply formatting from the icons available on the header of rich text editor.

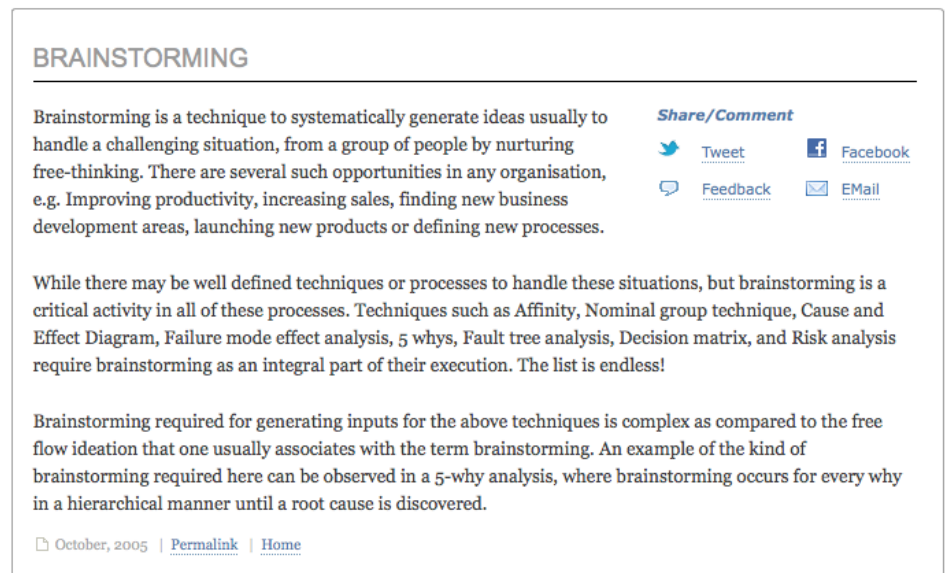
The Save button is not displayed in the image. Please include while designing the interface. Saving the article will publish the blog entry on the landing page with the date and time stamp of the article.

The following screen on the next page outlines the rich text editor UI:



## View Blog Article

The following screen outlines the Article View UI:



Clicking on any one of the blog entries from the landing page will display the blog text in a read only mode as above.

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The comments posted (not shown here) will be displayed at the end of the article. Action buttons (not shown here) like 'Edit Article' will be visible to blog's author whereas 'Post a comment' will be visible to all the users. A link to Home and to Permalink will be clearly shown at the bottom.

Article will also have social links (e.g. mail, tweet, facebook and feedback) as indicated right at the top of the article.

### **Post a Comment**

Post a comment button appears at the bottom of the blog article page. Click on the comment button to enter the text in the text box. Click on Post to publish the comment for the blog article. The comment will appear at the bottom of the article view page in a chronological manner.

## **DEVELOPMENT ENVIRONMENT**

Since CXO's Blog is expected to use Intranet's authentication, for the purpose of this project, entering user name will take you to the user's CXO's Blog screen. You may create sample users directly from the backend database.

CXO's Blog will be developed as a web application using Java/JSP and DB2 database. Eclipse will be used as the IDE for the same. You may consider using a JavaScript framework like jQuery/Prototype/ Scriptaculous. We recommend, the developer of this project to use TinyMCE - Javascript WYSIWYG Editor. Details are available on <http://www.tinymce.com/> URL.