Collaborative Decision Making – TEAM

Minor Project

IBM Career Education

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.

INTRODUCTION

The purpose of this document is to define scope and requirements of a Collaborative Decision Making Tool – TEAM for a leading business house who wanted to accelerate decision-making process involving multiple stakeholders. Currently the employees waste significant time to convene and run meetings for arriving at meaningful decisions.

As a first step, the proposed system – TEAM will provide an online multi-voting tool to quickly shortlist actionable items, ideas, or initiatives.

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

System Users

All the employees of the business house will primarily use the Collaborative Decision Making Tool, TEAM.

Assumptions

1. TEAM will be integrated with the existing company's intranet and therefore it will leverage the existing Intranet's authentication mechanism.
2. To simplify development, the list of items to be voted will not be editable and will be uploaded from a CSV file.

REQUIREMENTS

TEAM will provide a web-based multi voting tool for teams to quickly shortlist ideas, actionable items, and initiatives without having to call for physical meetings. This tool will integrate with the existing employee intranet.

Basic System Operation

The multi voting process is initiated by creating a call for multi voting for a certain set of ideas, initiatives or actionable items by an employee. Key elements of the system and their key operations are outlined below:

Landing Page

TEAM's landing page is a tabbed page, where the first tab shows all the active calls for multi voting where the logged in employee has been invited to vote. The second tab displays the list of active multi voting calls that were initiated by the logged in employee. The third tab lists all the closed multi voting calls initiated by the logged in employee.

Voting is possible only for active or open multi voting calls. Once voting is closed, only the results can be viewed.

Call for Multi Voting

An employee can call for multi voting. For this purpose, s/he (a) enters a title for multi voting, (b) defines the objective briefly, (c) selects a list of employees to be invited for multi voting, (c) uploads the list of items for multi voting from a single column CSV file and finally (d) defines the maximum number of votes allowed (default value is set as number of items divided by 2). Upon saving it, an invite mail is sent to the selected employees to participate in voting.

The employee will be able to close the voting any time. The results are automatically determined on closing the voting.

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A user-friendly interface needs to be developed to ensure
smooth usage of the system.
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About Multi Voting

Multi voting goes beyond democracy! Here each voter can cast more than one vote. It is used to narrow down a large list as it allows an item that is favored by all, but not the top choice of any, to rise to the top. Typically number of votes per voter are limited to (number of items to be voted for)/2 or less. Learn more about it at http://asq.org/learn-about-quality/decision-making-tools/overview/multivoting.html URL.

DEVELOPMENT ENVIRONMENT

TEAM 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 Prototype/Scriptaculous /jQuery.