WIKI Application

**Team Name**: WIKI Developers

**Deliverable name**: WIKI application – First Cut

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**1. Introduction**

1.1 Purpose

This document details the functionality required for the WIKI application.

### 1.2 Product Scope

The WIKI application is intended to be used internally at Smartek and which is futuristic, robust, reliable and highly available. WIKI to help user to perform all operations that are possible with confluence.

Certain points have been included in this document as priority 1 features. Other points are listed as Priority 2 – not essential for initial release.

### 1.3. References

* Sample POC created by Himangshu Dutta
* Atlassian confluence
* Atlassian Jira
* Review suggestions by Venkatareswaran

**2. Overall Description**

2.1  Application Perspective

WIKI application provides a collaboration portal for managers and developers including:

* Facility to create group and add members to it
* Users to create and publish various reports
* Users to create and manage their calendar and schedulers

### 2.2 Application functions

Application to contain following main modules:

* Users
* A default Admin user entry to be created in users table in database.
* Administrator to login into the application with all the rights and permissions.
* Other users are registered into the application whenever they login into the application first time.
* Admin user also has access to add any new user to the system.
* Username is used for login into the application. Username is same as that of Smartek21 Active Directory or user’s window system login.
* Application read and access user information using Active directory / LDAP from Smartek user’s database.
* Admin user can create a user group using “Create Group” functionality. In the same module, admin can
  + - * add members to the group.
      * assign group leader
      * add group (Distribution List) email id
      * edit/delete user group
* Any member can be part of more than one user group
* Admin can view the list of active users with their role (Admin or Member). He can also update the role of any user as needed.
* WIKI
* WIKI to contain different types like Page, Blog etc.
* This could be enhanced to multilevel structure as required.
* Admin to create/edit/delete and manage different wiki types.
* All users can create WIKI page using Create WIKI functionality. WIKI page to contain:
  + - * WIKI title
      * Type
      * Content (could be html also)
      * Ability to share with different groups
      * Ability to attach document(s)
      * Ability to send the mail with the selected groups
* Admin user can assign edit permissions for users by editing the WIKI page.
* After login, user dashboard shows two sections:
  + - * Left hand side shows alphabetically sorted wiki list under each category
      * Right hand shows “Recently Updated” wiki list irrespective of category.
* All users can view and create any wiki. No special access permissions are required for this.
* Admin user has special access to create any wiki page and set it as home page. This options is available while creating the wiki.
* Admin user can also export the wiki to PDF or docx word format .
* Each wiki shows Wiki title, username, last updated date time and wiki contents.
* Events
* Event can be of different types and to be created by admin only.
* Each event type can be referenced with unique color while creating an event type.
* All users can create an event by double clicking on event calendar or selecting/dragging the consecutive dates on calendar.
* On double click/drag, a popup opens which reads Event name, event type, start date time and end date time. Event can be a full day event or short event.
* Admin can edit/delete/manage other user’s events. Rest of the users only can :
  + - * create and edit own event.
      * view events created by other users
* All users can view Day wise, week wise and month wise events on caledar. Users also can move the calendar back and forth using arrow buttons at top.
* Only admin user can export the current calendar to PDF format.

* Settings
* Setting menu is visible/accessible to admin user only.
* Menu contains:
  + - * Create/Edit/Delete WIKI type
      * Create/Edit/Delete Event type
      * Create/Edit/Delete User group
      * Create/Edit User information

### 2.3 Operating Environment

* + Application developed using : Node.js, Javascript, HTML, CSS, MySQL
  + Application hosted on : Linux – Ubuntu 12.04 VM box