



## Simple Project Planner for Intranet – PLAN

### **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.*

## INTRODUCTION

The purpose of this document is to define scope and requirements of a Simple Project Planning Tool - PLAN for the employee Intranet of a large business house. The proposed system will allow the employees to plan and monitor simple & small projects. PLAN is expected to provide:

1. A very simple clutter free user interface.
2. Exceptional ease of use for task entry, rescheduling and monitoring.

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

## System Users

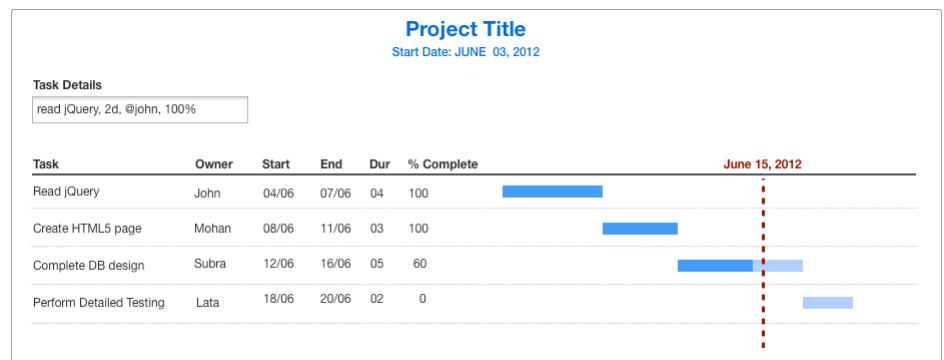
The entire staff of the business house is expected to benefit from the simple project-planning tool, PLAN.

## Assumptions

1. PLAN will be integrated with the existing company's intranet and therefore it will leverage the existing Intranet's authentication mechanism.
2. PLAN will assume linear dependency of the tasks in the order of display.

## REQUIREMENTS

PLAN will allow users to create simple project plans and monitor them. The user interface for the same is outlined below.



The tool will also make a simple Gantt Chart for the project. The completed tasks will be highlighted in dark blue color. The in-progress task will show the %age complete in dark blue and the balance in light blue color. Tasks not started will be shown in light blue color. A vertical dotted line will highlight the today's date on the Gantt chart. The tool will use only a single screen as shown above, to display the project plan for the logged in employee.

---

### **Editing Project Title**

The user will be able to set the project title by clicking on “Project Title” displayed on the top. This will allow in-place editing of the project title text.

### **Editing Project Start Date**

Clicking on “Project Start” will allow in-place editing of the project start date. Each time this date is changed, an automatic scheduling of all project task will occur.

### **Task Entry**

User will be able enter tasks using the “task detail” text box. The task will have 3 components viz. (a) task description, (b) duration which can be in days or weeks – “d” indicates days and “w” indicates weeks, (c) owner name preceded by a “@” sign, and (c) %age complete entered as a number between 0-100 followed by “%” sign. If percentage complete is not given, it is assumed to be “0”. The format of task entry will be “task description, 3d, @owner, 80%”. You can edit a task by clicking it. The selected task becomes available in the “task detail” text box. Hitting return key adds or updates the edited task. Please note, addition/update will require parsing the task details, owner, duration and percent complete from the entered text. New task is always added at the end of the task list.

### **Task Reordering**

User will be able to reorder the tasks for a day by simply using drag & drop operation. This will trigger an automatic rescheduling of the project.

### **Automatic Project Scheduling**

The automatic scheduling will occur on (a) project start date change, (b) addition of new task, (c) editing of an existing task (duration, % complete), and (d) on task reordering. During this, PLAN will re-compute the start & end dates for each task and redraw the Gantt Chart (if required). You may make it manual, if automatic scheduling becomes to complex to implement.

### **Saving Changes**

User will be able to save all the changes in the back-end database by clicking on a “save” button (not shown in the screen above). Since PLAN is expected to use Intranet’s authentication, for the purpose of this project, entering user name will take you to the user’s project’s screen. You may create sample users directly from the DB2 backend.

---

## **DEVELOPMENT ENVIRONMENT**

PLAN 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.