



## Simple Task Management for Intranet – TODO

### **Mini Project**

*Disclaimer*

*This Software Requirements Specification document is a guideline. The document details all the high level requirements. The document should be used as a guideline by the students to design the Solution Architecture for the project. The document also describes the broad scope of the project and high level logical object model. But 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.*

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## INTRODUCTION

The purpose of this document is to define scope and requirements of a Simple Task Management Tool - TODO for the employee Intranet of a large business house. The proposed system will allow the employees to track their *weekly* tasks. TODO is expected to provide:

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

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 task management tool, TODO.

## Assumptions

1. TODO will be integrated with the existing company's intranet and therefore it will leverage the existing Intranet's authentication mechanism.
2. TODO will only maintain task for a week for each user.

## REQUIREMENTS

TODO will allow users to maintain & manage their weekly tasks. The user interface for the same is outlined below.

Monday JUNE 03, 2012	Tuesday JUNE 04, 2012	Wednesday JUNE 05, 2012	Thursday JUNE 06, 2012	Friday JUNE 07, 2012	Saturday JUNE 09, 2012
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Read JQuery	<input type="checkbox"/> Complete Lab work	<input type="checkbox"/> StartTo Do design	<input type="checkbox"/> Learn AJAX basics	<input type="checkbox"/> Full day factory visit	<input type="checkbox"/> Wash clothes
<input type="checkbox"/> Create HTML5 page	<input type="checkbox"/> 2 hours @ library		<input type="checkbox"/> Discuss with Prof		<input type="checkbox"/> Read Science Mag
<input type="checkbox"/> Complete DB design			<input type="checkbox"/> Play evening match		<input type="checkbox"/> Coding for To Do
<input type="checkbox"/> Movie at night					

The tool will use only a single screen as shown above, to display the weekly tasks of the logged in employee. The screen will be divided in to six columns. Each column corresponds to a day of week, starting from Monday. Below the day's name, corresponding date will be displayed. The current day & date will be highlighted in a different color.

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### **Task Entry**

The text box below each day will facilitate quick task entry. User will be able to enter the task details in the text box and upon pressing return key, the task will immediately appear below the text box as shown in the above figure. Task will also have a check box on its left to easily mark a task as completed.

### **Task Completion**

A task will be marked completed, moment the user checks the box on the left side of the task. Completed task will automatically move to the bottom of the list and will be displayed as “~~striketrough~~” text. Un-checking a task, will again move it to the top of the list with strikethrough formatting removed.

### **Task Rescheduling**

User will be able to reschedule a task by simply dragging it and dropping to another day's column.

### **Task Reordering**

User will be able to reorder the tasks for a day by simply using drag & drop operation.

### **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).

### **Optional Requirements**

Note, all unfinished tasks of a week will automatically move to “Monday” at the end of the current week. Delayed task within a week will be displayed in red color.

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

## **DEVELOPMENT ENVIRONMENT**

TODO 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.