**Task**

**Management Application**

**Task ManagementApplicationRequirement**

**Background**

Techlabs is a training expert and is looking at Task Management Application as a Standard Reference for students who will implement Employee Task management functionality as a part of training. This project incorporates all the concepts taught during course namely design patterns, various frameworks (Struts2, spring, Hibernate etc.), language fundamentals maintaining high design and coding standards.

**Purpose of this document**

This document defines the Business process flow of Employee Task Management Application. This document reflects the results of the discussions between the stakeholders, program architect and experts from banking domain.

**Definitions**

• **Stakeholder**: Swabhav Techlabs Pvt Ltd

• **Program Architect**: Software Developers/Trainers from Swabhav Techlabs Pvt Ltd.

• **Domain Expert**: Senior program architect with 15+ years of experience in banking domain.

**Actors**

Below are the actors and their role with respect to the Employee TaskManagement Application.

1. **User**: user who will add, update, delete his tasks and subtasks

**User Stories for Task Management System**

User stories are the basis for defining the functions a business system must provide, and to facilitate requirements management. It captures the 'who', 'what' and 'why' of a requirement in a simple, concise way, often limited in detail by what can be hand-written on a small paper note card. The user story can be thought of as a piece of the work that the system is going to deliver. Below are user stories identified and categorized in small units, which can be shipped in a release.

**Business Objectives**

* Create a system, which can be used as a single point of reference for all topics covered in the course by implementing Task management functionality for Users.
* This document will act as point of reference for the students and trainers.

Students and trainers will get clear idea about how different actors interact with the system.

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| sr no. | Use Case | User stories |
| 1 | UC01 | As a User he can Register. |
| 2 | UC02 | As a User he can view his tasks and subtasks. |
| 3 | UC03 | User can login. |
| 4 | UC04 | User can change password. |
| 5 | UC05 | User can update profile details. |
| 6 | UC06 | As an User he can add a task and subtask |
| 7 | UC07 | As an User he can update a task and subtask |
| 8 | UC08 | As an User he can delete a task and subtask |
| 9 | UC09 | User can logout. |

UC01

**User Story**: As a User he can Register

Registration:

1. User can add Register.
2. System generates random one time user password which is sent to user by mail on the specified address.
3. Through this user can login first time.

UC02

**User Story**: As a User he can view his tasks and subtasks.

View Employee tasks:

1. On successful login User can view the task performed and registered on home page.
2. User can also view his subtasks.

UC03

**User Story**: User can login.

1. User fills in user Id, Password on login page.
2. On successful authentication User will see User home page with his tasks.

UC04

**User Story**: User can change password.

Change password:

1. User can change password through his home page.
2. For changing user should enter his old password.
3. When Old password matches new password is set.
4. User is redirected to login screen for re login.

UC05

**User Story**: User can update profile details.

Update Profile:

1. User logs in the website.
2. User can update his profile details.

UC06

**User Story**: As a User he can add task and subtask.

Add task:

1. User logs in.
2. On successful login User can add his task by clicking the add task button on his home page.
3. User has to enter task in add task fields on appeared Add task page.
4. After clicking on add button the entered task will be added into database.
5. User can also add subtask by clicking on add Subtask button on his Subtask page.
6. User has to enter subtask in add subtask fields on appeared add subtask page.
7. After clicking on add button the entered task will be added database.

UC07

**User Story**: As a User he can update task and subtask.

Update task:

1. User logs in the website.
2. On successful login User can update his previously added task by clicking on update task button beside every Task on his home page.
3. When that task appears changes can be done and by clicking update button task is updated in database.
4. User can also Update his previously added subtask by clicking on update subtask button beside every Subtask on Subtask page.
5. When that task appears changes can be done and by clicking update button Subtask is updated in database.

UC08

**User Story**: As a User he can delete task and subtask.

Delete task and subtask:

1. User logs in the website.
2. On successful login User can delete his previously added task by clicking on delete task button beside every Task his home page.
3. When a task is delete all its sub tasks also get deleted.
4. User can also Delete his previously added subtask task by clicking on delete subtask button beside every Subtask on Subtask page.

UC09

**User Story**: User can logout.

1. When user is done using system user clicks on logout button.
2. System clears user session and redirects user to login page.