

# Milestone 3

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## High Level Design

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For: **“The Kanban board”** version 1.0



**IPF Technologies Ltd.**

# **Terminology**

## **User**

Definition: A person who interacts with the system.

Each and every user owns its own Kanban Board.

## **Kanban Board**

Board that allows you to manage tasks in an efficient way.

The Kanban board is divided into 3 sections:



To Do



In Progress



Done.

These sections are called columns.

## **Column**

The board appears as default with 3 columns as mentioned above.

Each column represents the status of the tasks which he belongs to.

## **Cardboard Frame – (Task)**

A task added by the user. It contains a title, description, date of publish and due date.

## **Client**

High-tech companies. These companies use the Kanban Board to be more efficient, and divide the workflow equally between the employees.

# **Kanban framework**

## **User**

- ❖ New users can register to the system by entering an unused email address and a valid password.
- ❖ Users can log in to the system with their unique email address and a password.
- ❖ Users can sign out of the system.
- ❖ A valid password must be in length of 4 to 20 characters and must include at least one capital character, one small character and a number.
- ❖ User can add new task.
- ❖ User can edit a task status\title\description\due date.

## **Board and columns**

- ❖ Support adding a task to the Kanban board.
- ❖ Option to limit the number of tasks in a column.
- ❖ Adding a new column.
- ❖ Moving tasks between corresponding columns.

## **Editing a cardboard**

- ❖ Editing the status of a task and moving it to the next column:
  - To Do
  - In Progress
  - Done
- ❖ Editing the title, description and due date of a task that is not done.
- ❖ Title is limited to 50 characters and cannot be empty.
- ❖ Description is limited to 300 character.

## **System**

- ❖ The system saves all the data, and it can be restored at any stage.

## System Diagram:

