Milestone 2

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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: