

# Kanban - Milestone 3

## *High Level Design*

Kanban board is a tool that helps one manage projects by dividing them to smaller tasks, which are organized by categories.

### **Terminology**

#### **Task**

A part of the project to be finished within a certain time.

#### **Card**

A card resides in a column, and contains the task's details.

#### **Column**

An arrangement of cards, divided by categories. By default every user has three columns but he can add/ remove them as long as there is at least one column in the board.

#### **Category**

A division within a system of classification. The categories are defined by the user.

#### **Board**

Contains the columns. When the user is logged in, his board appears on the screen.

#### **Registration**

The act of creating a user.

#### **User**

A person who utilizes the system services.

#### **Login**

The act of signing into the system by the user.

## **Authentication**

All requests are accompanied by an authentication token, which is built of the pair <email address, user password>.

## **Requirements**

### **Functional**

#### **Register**

To become user of Kanban, one has to insert a valid email address and a wanted password.

#### **Login**

After becoming a user of Kanban the user can enter his own account by insert his email and password.

#### **Add task**

Creates new card that contains the tasks description, title, creation date and due date. New card's default's column is the first one. Card can be created by the user, only if there are less than the limited number of cards in the first column.

This requirement is intended to add new tasks in the beginning or during the work process.

#### **Forward task**

Moves task to the next column in the board. Done by the user.

This type of requirement is intended to see change the task's status.

#### **Edit task**

Changes one or more of the task's fields: title, description or due date.

This requirement is intended to enable the user to update his tasks.

#### **Remove task**

Deletes a card from the board.

This requirement is intended to remove irrelevant information from the board and make room for new cards.

**Log out**

Takes the user out of his account.

This requirement is intended to keep the user's privacy without exiting the system.

**Non-functional****UX**

The system complies with Google's material design, and with the Israel accessibility law.

This request is intended to make Kanban user friendly and suitable for people with disabilities.

**Deadline**

Each task has a due date which is initialized when creating a new card.

This feature helps the user stick to the project's schedule.