**Blackbox Testing**

1. **Requirement**: The program will allow registration of new users.

**Test:** Try to register, insert email and password

**Expected result:** Success message

1. **Requirement** Each email address must be unique in the system.

**Test:** try to register with an already existing email

**Expected result:** fail to register with an error message

1. **Requirement:** A user cannot have two boards with the same name (though the same board name can be used by two different users).

**Test:** try to create two boards with the same name

**Expected result:** fail to create the second board with an error message

1. **Requirement:** As a user, I want to be able to login using an email and a password, and logout.

Test: a) try to login using an email and password

b) try to logout

**Expected result:** a) login succeeded-user in the system. b) logout succeeded- user out from the system

1. **Requirement:** As a user, I want to be able to add and remove boards.

**Test:** a) Try to add board.

B) Try to remove board.

**Expected result:** a) The board will be added to the system

b) the board will no longer be in the system

1. **Requirement:** . Each column should support limiting the maximum number of its tasks

**Test:** Limit the number of tasks added to a specific column, and add that number of tasks. Then try to add more tasks to that column.

**Expected result:** After adding the limit number of tasks no more tasks will be added and a message will be sent.

1. **Requirement:** A valid password is in the length of 6 to 20 characters and must include at least one uppercase letter, one small character and a number.

**Test:** try to register with an illegal password

**Expected result:** fail with an error message

1. **Requirement:** By default, there will be no limit on the number of the tasks.

**Test:** without setting a limit, try to add a lot of tasks

**Expected result:**  being able to add as many tasks as we'd like

1. **Requirement:** The board will support adding new tasks to its backlog column only.

**Test:** Try to add new task.

**Expected result:** New task will be created in the backlog column.

1. **Requirement:** Tasks can be moved from ‘backlog’ to ‘in progress’ or from ‘in progress’ to ‘done’ columns. No other movements are allowed

**Test:** Try to advance task.

**Expected result:** “Backlog” tasks will move to “in progress”, “in progress” tasks will move to “done” tasks, “done” tasks will stay in their column.

1. **Requirement:** A task that is not done can be changed by the user.

**Test:** Try to edit task.

**Expected result:** If the task in the “backlog” column or “in progress” column the edit will succeed. Else if the task in the “done” column the edit will fail.

1. **Requirement:** All the task data can be changed, except for the creation time

**Test:** a) try to change task name

b) try to change task due date

c) try to change task description

**Expected result:** a) task name will be changed

b) due date will be changed

c) description will be changed

1. **Requirement:** As a user, I want to be able to list my 'in progress’ tasks from all of my boards,

**Test:** try to get all in-progress tasks from all the boards of a certain user

**Expected result:** getting all in-progress tasks from all the boards of the user

1. **Requirement:**

**Test:**

**Expected result:**

1. **Requirement:**

**Test:**

**Expected result:**

1. **Requirement:**

**Test:**

**Expected result:**