Kanban board

This application is a visual process and project management solution that helps teams to work more efficiently and improve business processes in line with Kanban method.

The app allows users to have an account, to create a project, to add issues to a project and to manage this process.

In this applicationwill be the following **types of users**:

* Product Owner
* Members of a project

The Product Owner will be the person that manages the project and has the following rights:

* Add/Remove columns
* Add/Remove members
* Change the name and description of the project

All the members of the project (including PO) have the next permissions:

* Add/Delete/Edit issues
* Move issues from a column to another
* Add/Remove comments to/from an issue
* Add/Remove the work time logs to/from an issue
* Can assign a member (including himself) to an issue

The user that creates a project becomes the project owner of it. Also, a user can work/own multiple projects. Each project has a single Kanban board.

The types of issues that can be added to a project are:

* **Epic** –is a body of work that can be broken down into multiple **tasks**, **stories** or **bugs**.
* **Story** – is a body of work that can be broken down in multiple **subtasks**.
* **Task** – is a body of work that can be broken down in multiple **subtasks**.
* **Bug** – is a body of work that can be broken down in multiple **subtasks**.

The **Story/Task/Bug** can be linked to an epic.

Each issue has the following:

* A project that belongs to
* A type (Epic/Story/Task/Bug)
* A name (in case of an epic)
* Attach files
* A summary (title)
* A description
* A reporter
* An assignee
* A priority (Lowest/Low/Medium/High/Highest)
* An Epic link (optional)
* A time estimate
* A time tracking
* Comments section (edit/delete button)
* Work log section (edit/delete button)

Story/Task/Bug has a section for subtasks and Epic has a section for Issues (Story/Task/Bug). Each issue can also be deleted.

The default columns are:

* BACKLOG;
* TODO;
* IN PROGRESS;
* DONE

Each column will have a min/max number of items that represents the number of issues that can be added to it.

The application will have the following pages:

* Login
* Register
* Home (list of projects)
* Board of selected project
* Reports

Technologies used:

* Frontend – **React**
* Backend – **Java Spring**
* Database – **MongoDB**

Each application will be available online.