



## **CT30A3204 Advanced Web Applications**

Project Documentation – Feature Point Request & AI Declaration

GitHub repository link: <https://github.com/LStackH/Kanban-MERNStack-Website>

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## 1. Introduction

This document holds a summary of the project, the implemented features and request for points, and AI declaration.

More in depth documentation is in the project repository README.md, where I describe technology choices, installation guidelines and user manual.

Repository link: <https://github.com/LStackH/Kanban-MERNStack-Website>

## 2. MyKanban MERN-Stack Website

This website is a full-stack Kanban board website. The application allows registering and login, so that authenticated users can create their Kanban board, where they can add and remove columns, cards and reorder them with a drag and drop implementation. Column, card and comments can be changed with inline editing by double-clicking the text. Each card and comment comes with visible timestamps. User can also filter out cards, that don't have the search query within them.

Mandatory requirements are fulfilled, backend with Node.js & Express, utilization of MongoDB as database, authentication and the basic features are present. Tailwind was used for all of the styling. The website works with mobile phones and desktop browsers.

## 3. Features Implemented & Point Request

Feature	Max points
Basic features (as stated in the previous chapter) with well written documentation	25
Utilization of a frontside framework, such as React, but you can also use Angular, Vue or some other	3
Cards can be reordered with drag and drop	2
Columns can be reordered	1

Provide a search that can filter out only those cards that have the searched keyword	3
User has the option just to double click any edible content (like header or card description) and edit it	4
Cards can have comments in them, one or many	3
Cards and comments have visible timestamps when they have been created and updated	4
<b>Total Points Requested:</b>	45

## 4. AI Declaration

AI tools used in the development of this project

- ChatGPT, used for brainstorming, figuring out solutions and alternatives, especially in problem/edge cases. Suggestions for frontend libraries like Axios and @hello-pangea/dnd were also provided after brainstorming. Understanding the documentation and problem cases around the dnd-library implementation in my code was used, for example: I had a Zoom feature beforehand, that was scaling the CSS. This messed with the dnd functionality, even without changing the zoom values. ChatGPT helped me understand this “hidden” problem, which lead me to remove the zoom functionality, which fixed the problem completely.
- ChatGPT was also used for proofreading the documentation, to make sure that I explained and touched all the required parts.