# Introduction

Không cần viết đề mục, chỉ I introduction thôi, thầy tự biết

## The reason you want to do the project:

Có thể dài hơn chút

Most project management tools today are too complex, expensive, or not user-friendly for small businesses, teams, and students. Many people still use spreadsheets or chat apps to track tasks, which is not efficient and lacks organization. Existing tools like Trello, Asana, and Jira are powerful but often too difficult for beginners or small teams who just need a simple, easy-to-use solution. Free tools, on the other hand, usually have limited features, making collaboration difficult. This project aims to fill this gap by creating a lightweight, affordable, and user-friendly project management tool that helps small teams and students organize tasks, track progress, and collaborate easily without unnecessary complexity.

# Domain of the project

# (dài 1 trang vào, cần có số liệu, dẫn chứng,….) người ta đang làm cái gì, có khách hàng thế nào, lợi nhuận thế nào, …thêm ý tưởng, phải tìm tài liệu ấy, có thể bảo AI tìm hộ, DOMAIN LÀ THỰC TẾ

The project belongs to the Project Management Software market, which is growing fast as more businesses and teams use digital tools to organize their work. Many big companies use advanced platforms like Trello, Asana, and Jira to manage projects. These tools are powerful but are mainly designed for large businesses with complex needs. A survey by TechCrunch (2022) found that 60% of small businesses struggle with the complexity of popular project management tools. At the same time, there are also smaller teams, student groups, and organizations that need project management tools, but they may not need something too advanced. This market includes a wide range of users, from professionals to students, all looking for ways to manage tasks, track progress, and work together more easily.

# Quick introduction to possible technologies / methodologies

Tech: chưa biết sử dụng cái nào, hãy nói có thể có những cái nào có thể làm được, đưa nhiều lựa chọn, nói hếttt. 1 công nghệ cũng phải nói 1 đoạn về nó. Cần có câu dẫn giải

To develop this project, I plan to utilize the MERN stack (MongoDB, Express.js, React, Node.js), a popular set of technologies for building modern web applications.

Node.js and Express.js will be used for the backend to create a fast and lightweight server that can handle multiple user requests efficiently. MongoDB, a NoSQL database, will store project-related data such as tasks, deadlines, and user roles, allowing for flexible and scalable data management.

On the frontend, React will be used to build a responsive, interactive, and user-friendly interface, making it easy for users to manage their projects. Additionally, WebSockets may be implemented to enable real-time updates, ensuring that users can see task changes instantly without needing to refresh the page.

For development, I will follow an Agile approach, meaning I will build the core features first and improve them based on testing and feedback. This ensures that the final product remains simple, easy to use, and effective.

# Aim

The goal of this project is to create a simple and easy-to-use project management tool for small businesses, teams, students, and organizations. Many existing tools are too complex or expensive, making it hard for small teams to use. This project will provide a lightweight and user-friendly solution that focuses on task tracking, teamwork, and deadlines without extra features that make things complicated. The aim is to help users manage projects easily and efficiently.

# Talking about what is the goal of the project and the direction to go to archive that goal

The goal of this project is to develop a simple and efficient project management tool for small businesses, teams, students, and organizations. Many existing tools are either too complex or expensive, making them unsuitable for small teams. This project will focus on usability, accessibility, and essential features, while also adding useful small features that big platforms often overlook.

To achieve this goal, the project will follow these directions:

Technology choice: Use the MERN stack (MongoDB, Express.js, React, Node.js) to build a fast, scalable, and modern web application.

User-Friendly Design: Keep the interface simple and intuitive, ensuring that anyone can use it with minimal effort.

Core Features Only: Focus on task management, deadlines, and team collaboration, without unnecessary complexity.

Additional Helpful Features: Add small but useful features that big platforms may not have, such as quick task templates for common project types, offline mode for accessing tasks without an internet connection, customizable workflows that fit different team needs.

Efficiency and Performance: Ensure smooth performance with real-time updates and a lightweight backend.

Agile Development: Start with a basic version and improve it based on user feedback.

# Objectives

## làm theo, viết theo hướng waterfall modal

## Objective 1

### Activities

What you do to archive objective

### Deliverables

Result of activities

## Objectives 2

# Plan

WBS (Layer 0: Title of the project, Layer 1: Objectives, Layer 2: Activities)

Vẽ chart chứ không phải liệt kê, wbs phải lấy theo objectives

* Gantt Chart

# Initial References

https://chatgpt.com/c/67d225f1-90c0-8007-abec-2dc023c474bb