Task Management App Execution Plan

**Name:** Leng Wei Cong, Justin

**Matriculation Number:** A0241293J

**Main Objective**

**Personal Objective  
Analysis of Project Requirement**

* **Development Environment**
* **Analysing Project Use Case**
  + **Backend**
  + **Frontend**
  + **Documentation**

**Development Plan**

**Use Case Diagram**

**Use Case Description**

**ER-Diagram**

**Executing Plan**

**Thoughts on assignment & Difficulties faces**

Graphical user interface, text, application

Description automatically generated

Main Objective

* Acquire full stack development skills and understanding through developing a simple task management application
* Learn about industrial practices and techniques for scalability
* Familiarize with the different tools that are available for developers
* Develop scalable programs

User Requirements

1. CRUD of tasks
2. Tagging system that categorizes tasks
3. Login for personalized tasks manager (To make it interesting, I would like to add a MetaMask login method)
4. Users can tag a color to their task

Documentation

* README will provide instructions to guide the installation

Frontend

* ReactJS will be used for the development of frontend

Backend

* Ruby on Rails will be used for the development of backend
* As Ruby on Rails was highly recommended compared to GoLang and as a beginner in full stack development, I decided to start on Ruby on Rails to understand the fundamentals of backend development and MVC design pattern.