**Task Assignment & Roles**

**Team Members:**

* **Karam Reda (Lead)**
* **Gamal Saad**
* **Ali Talat**
* **Ammar El Sherbini**

**Roles and Responsibilities:**

1. **Ali Talat (Front-End Developer)**

* Design and develop the UI/UX
* Use Html
* Work with CSS frameworks like Bootstrap or Tailwind
* Integrate with APIs

1. **Karam Reda (Back-End Developer)**

* Build APIs using, .NET Core
* Handle Authentication & Authorization
* Implement Business Logic
* Optimize performance and implement Caching

1. **Gamal Saad (Database & ERP Developer)**

* Design and manage the database using SQL Server/EntityFramWork
* Write Stored Procedures & Triggers.
* Develop and maintain the ERP System
* Optimize queries and handle Indexing

1. **Ammar El Sherbini (Testing & Deployment)**

* Manage Servers & Hosting
* Work with Docker/Kubernetes
* Write Automated Tests and ensure quality
* Monitor performance and troubleshoot issues

**Task Distribution:**

**•Planning Phase:**

* Karam : Leads the planning process, defines scope, assigns tasks.
* All Developers : Contribute to research, API selection, and user story creation.

**•Design Phase:**

* Ali : Leads UI/UX design, wireframing, and style guide creation.
* Gamal : Provides technical feedback on the design.

**•Development Phase:**

* Karam : Oversees algorithm development and complex feature integration.
* Gamal : Manages API integration and data flow.
* All developers: contribute to the development of the frontend React components.

**•Testing Phase:**

* Ammar : Leads all testing activities and documentation.
* All Developers: assist with testing and bug fixing.

**•Deployment Phase:**

* All: Participate in final testing and project review.