# **טכנולוגיות אינטרנט מתקדמות - 61776**

**חורף תשפ"ד**

**תרגיל בית מס' 1**

**להגשה עד 12.2.24 בשעה 23:59**

**Group members:**

**Khalid Sweid 324264530**

**Tameer Amer 322836388**

**Nabi Meri** 316197490

**Yoda Amer**211853502

**Safa Kheir 322829102**

1. Our team system engineer is: Khalid Sweid

Division labor:

|  |  |  |
| --- | --- | --- |
| **Completed tasks** | **Assigned tasks** | **Group member** |
| All tasks | FR/HTML home page + JS | Khalid Sweid |
| All tasks | NFR/HTML home page + JS | Tameer Amer |
| All tasks | FR/Tailwind/Fake data | Nabi Meri |
| All tasks | NFR/Tailwind/submitting homework | Yoda Amer |
| All tasks | NFR/HTML home page + JS | Safa Kheir |

1. According to Wikipedia: functional requirements are usually in the form of "system shall do <requirement>", while non-functional requirements are in the form of "system shall be <requirement>".

FR:

* The system shall provide information about blocks.
* The system shall allow users to access details about transactions.
* The system shall enable users to explore details about specific cryptocurrency accounts.
* The system shall display account details.
* The system shall integrate real-time cryptocurrency news.
* The system shall display the latest news about blockchain and cryptocurrency.
* The system shall support mobile responsiveness.
* The system shall support theme modes (Light/Dark).

NFR:

* The system shall be optimized to have low-response times for retrieving blockchain data.
* The system shall be designed to have secure communication protocols (e.g., HTTP).
* The system shall be optimized for various devices, ensuring a responsive design that works well on both desktop and mobile platforms.
* The system shall be capable of handling many requests.
* The system shall be designed to display account details in a clear and concise manner for users.
* The system shall be supported real-time updates of account information to ensure users have access to the latest data.
* The system shall be optimized for real-time data synchronization, ensuring that the integrated news feed is updated with the latest information.
* The system shall be providing users with the option to switch between Light and Dark modes to accommodate individual preferences.
* The system shall be applying instantly theme mode changes without requiring a page refresh, ensuring a smooth and visually pleasing experience.