**SWE 363**

**Web Engineering and Development**

**TERM 241**

**Phase 3: Requirements**

# Project Motivation

The main motivation for "Find-it @KFUPM" is to solve the ongoing problem of lost and found items on campus. It aims to make it easier and faster for students and staff to report and find lost belongings through a centralized online platform, improving the campus experience and encouraging community involvement. Additionally, it provides a practical project for applying web development skills.

Real life example, I (Mohammad) am the admin of the Telegram group "Lost and found KFUPM" which has 2400+ subscribers with many students having the awareness to use the platform.

However, the plot-twist is that the telegram requires contacting me through WhatsApp to report found or lost items, which is inconvenient. The web app in my opinion WILL enhance security issues and make reporting much more convenient.

# Users of the Web

1. **Administrator:**
2. **Participant:**
3. **Watcher:**

# Functional Requirements

# Non-Functional Requirements

1. The phases of the project shall be submitted according to the timeline posted in the SWE363 (**Web Engineering & Development**) course’ repository, <https://github.com/hammadojh/web_course/blob/main/term_project.md#Phases>
2. The system shall be implemented using HTML, CSS and JavaScript as a Front-End and Node.js, Express as a Back-End.
3. The system shall comply with the latest web code documentation standards using HTML, CSS, and JavaScript.
4. The system shall use React as the Front-End framework.
5. The system shall be implemented using MongoDB as a database.
6. The users shall be able to understand all the functionalities of the web-app within 15 minutes of usage, which is determined by a simple survey. (**Usability requirement**)
7. The system shall be available 24 hours a day. (**Availability requirement**)
8. The system shall follow KFUPM University’ authentication rules to allow accessing the users to the system.
9. The system shall implement robust error handling mechanisms to ensure dependability.
10. The system shall ensure delivering items to the correct destination by verifying the client from his/her personal KFUPM email. (**Reliability requirement)**
11. The system shall be implemented by using a clean code methodology such as separating the files of the implementation to enhance the maintainability of the system. (**Maintainability requirement)**

# Wireframe