Requirements

* Project Objective
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1. Project Objective
   1. The objective of this project is to automate the process of tracking the student’s attendance.
   2. As-is process

In the current system faculty has to call each student individually in case of lower attendance, sometimes students aren’t reachable so they might miss the call at the moment so they have to recall or text repeatedly to communicate about the attendance

Also they have to track the attendance/reasons manually.

1.3. To-be process : The new Process will be automated where an automated email to be generated and send from an organization to inform the students about their lower attendance well in advance so that they can maintain it as required and being eligible for examinations

1. Functional Requirements
   1. Student’s attendance data should be maintain in required DB.
   2. Create the process which will run daily at a specific time which will pick-up student’s records who has attendance below 60.
   3. In case of attendance lower attendance a warning email should be triggered to a student informing about the same.
   4. A process should update DB in case of successful email triggers.
   5. In case updated a specific student record who has already received an email
   6. Process should resend an email in case of failure and update the DB.
2. Technical Requirement
   * Java 17
   * Spring boot
   * Micro Services
   * Mongo DB
   * Apache Maven 3.5
   * Eclipse

4. Limitations:

4.1 This process is limited to use for an organization who already have maintained attendance detail in mongo DB.

Diagrams:

Flow diagram:

