Tema 2 – Generare fluturas salariu

Develop an application that utilizes a **PostgreSQL database** to store information about employees, their salaries, and related data.

Based on this information, implement a feature that generates an **Excel file** containing a summary of the following for each employee:

* Employee name
* Salary to be paid for the current month
* Number of working days during the month
* Number of vacation days taken
* Additional bonuses (if any)

This Excel file should be automatically **sent via email to a designated manager**.

Additionally, implement a feature that generates a **personalized PDF document for each employee**. The PDF should include:

* Personal details (name, surname, employee ID, personal identification number/CNP, etc.)
* The salary to be paid for the current month

Each PDF must be **password-protected using the employee’s CNP** and sent via email to the respective employee.

**Technical Requirements and Considerations**

* You are free to design the database schema from scratch, and are encouraged to apply the **normalization principles (xNF)** learned during your academic studies.
* The application should expose the following **REST API endpoints**:
  + /createAggregatedEmployeeData – Generates the Excel report
  + /sendAggregatedEmployeeData – Sends the Excel report via email
  + /createPdfForEmployees – Generates the individual PDF reports
  + /sendPdfToEmployees – Sends the PDF reports to employees
* All Excel and PDF files sent via email should also be **archived for audit purposes**.
* A **user interface is not mandatory**, but if desired, you are free to choose any front-end technology to build one.

\*\* For the Demo session, you will be in the role of the manager, and the colleagues will play the role of the employees. Because of that, I encourage not to play the role of the employee for the other colleagues during the development phase.