2- Validation Checklist Creation:

- Choose a specific domain or industry, such as healthcare, finance, or education.

- Create a validation checklist for data or processes relevant to that domain.

- Include items that should be validated, validation rules or criteria, and the potential consequences of failing to validate.

- Share your checklist with colleagues or mentors in that domain for feedback and refinement.

- Use this exercise to practice creating comprehensive validation guidelines for a specific context.

Healthcare : Sehhaty

Doctor Model:

// Input Fields: Name, Date of Birth, Contact Information (phone, email), Professional ID

//Name:
//Maximum length 50 characters.
//Cannot be null.
//- Must contain only characters (alphabetical, no special characters or numbers).

//Date of Birth:
//Ensure the date is valid and in the past and the doctor is within a reasonable age range (e.g., above 25 years old).
//Check for proper date format (e.g., YYYY-MM-DD).

//PhoneNumber:
// Must Start with "05".
// Must consists of exactly 10 digits.

//Email:
// Must be a valid email format(e.g., user@example.com).
//Ensure the email is not already in use in the system.

//Professional ID

//Cross-check with a government database to confirm its validity.

// check whether the license id is active or expired.

Patient Model:

// Input Fields: Name, Age, Gender, phone, ID

Name:

//Maximum length 50 characters.
//Cannot be null.
//- Must contain only characters (alphabetical, no special characters or numbers).

Age:

// Can't be Null

//Should be within a reasonable range (0 - 130 years old).

Gender:

// Cannot be null.

// Must be either "Male" or "Female" only

//Phone Number:
// Must Start with "05".
// Must consists of exactly 10 digits.

//ID:

// Can't be null

// Must consist of exactly 10 digits.

//Start with "1", for Saudis,"2", non-Saudis

Prescription Model:

// input fields: doctor ID, patient ID, medication, dosage, prescription Date, expiration Date

Doctor ID:

// Cannot be null.

// verify that the doctor id exists.

Patient ID:

 // Cannot be null.

// verify that the patient id exists.

Medication:

// Cannot be null.

//check that the **medication name** is valid and available in the approved drug list.

Dosage:

// Cannot be null.

// Validate the **dosage** is a valid numerical value and follows the appropriate unit (e.g., mg, mL).

Prescription Date:

// Cannot be null.

//Must be in a valid format (e.g., YYYY-MM-DD).

// Must be **in** the past

Expiration Date:

// can't be null

//Must be in the Present

//Must be in a valid format (e.g., YYYY-MM-DD).