Lab 6 - validation checklist creation

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1. Patient

- **National ID**:
  - Cannot be empty.
  - ```
    @NotEmpty(message = "ID Cannot Be Empty")
    ```
  - Must be exactly 10 digits.
  - ```
    @Size(min = 10, max = 10, message = "ID Must Be 10 Digits Only")
    ```
- **Full Name**:
  - Cannot be empty.
  - ```
    @NotEmpty(message = "Name Cannot Be Empty")
    ```
  - Must be between 10 and 25 characters.
  - ```
    @Size(min = 10, max = 25, message = "Name Must Be Between 10-25 Letters")
    ```
- **Age**:
  - Cannot be empty.
  - ```
    @NotNull(message = "Age Cannot Be Empty")
    ```
  - Any age is allowed.
  - ```
    @Pattern(regexp = "^(0|[1-9][0-9]*m?|[1-9][0-9]*)$\n", message = "Enter a Valid Age (ends with m for babies in months)")
    ```
- **Symptoms**:
  - Cannot be empty.
  - ```
    @NotEmpty(message = "Symptoms Cannot Be Empty")
    ```
  - Must be longer than 10 letters.
  - ```
    @Size(min = 10, message = "Symptoms Must Be Longer Than 10 Letters")
    ```
- **Book Available Date**:
  - Cannot be empty.
  - ```
    @NotNull(message = "Date Cannot Be Empty")
    ```
  - Must be in the present or future.
  - ```
    @FutureOrPresent(message = "Choose Valid Date")
    @JsonFormat(pattern = "yyyy-MM-dd HH:mm:ss")
    ```
- **Phone Number**:
  - Cannot be empty.
  - ```
    @NotEmpty(message = "Phone Number Cannot Be Empty")
    ```
  - Must start with "05".
  - ```
    @Pattern(regexp="^05\\d{8}$", message = "Phone Number Must Start with 05")
    ```
  - Must be exactly 10 digits.
  - ```
    @Size(min = 10, max = 10, message = "Phone Number Must be 10 digits")
    ```

2. Doctor

- **National ID**:
  - Cannot be empty.

- @NotEmpty(message = "ID Cannot Be Empty")
  - Must be exactly 10 digits.
- @Size(min = 10, max = 10, message = "ID Must Be 10 Digits")
- **Full Name**:
  - Cannot be empty.
- @NotEmpty(message = "Name Cannot Be Empty")
  - Must be between 10 and 25 characters.
- @Size(min = 10, max = 25, message = "Name Must Be Between 10 and 25 Letters")
- **Specialization**:
  - Cannot be empty.
- @NotEmpty(message = "Specialization Cannot Be Empty")
  - Must be one of the predefined specializations
- @Pattern(regexp = "^(Cardiology|Dermatology|Pediatrics|Neurology)$", message = "Enter a Valid Specialization")
- **Years of Experience**:
  - Cannot be empty.
- @NotNull(message = "Experience Cannot Be Empty")
  - Must be at least 1 and at most 40.
- @Min(value = 2, message = "Experience Must Be More Than 1 Year")
  @Max(value = 40, message = "Experience Cannot Be More Than 40")
- **Phone Number**:
  - Cannot be empty.
- @NotEmpty(message = "Phone Number Cannot Be Empty")
  - Must start with "05".
- @Pattern(regexp = "^05\\d{8}$", message = "Phone Number Must Start with '05'")
  - Must be exactly 10 digits.
- @Size(min=10, max=10, message = "Phone Number Must Be 10 Digits")
- **Work Schedule**:
  - Cannot be empty.
- @NotEmpty(message = "Schedule Cannot Be Null")
  - Must follow a schedule format ("Monday-Friday, 9AM-5PM").
- @Pattern(regexp = "^(Monday|Tuesday|Wednesday|Thursday|Friday|Saturday|Sunday)-(Monday|Tuesday|Wednesday|Thursday|Friday|Saturday|Sunday),\\s\\d{1,2}(AM|PM)-\\d{1,2}(AM|PM)$")

3. Online Patient Services Administration

- **Admin ID**:
  - Cannot be empty.
- @NotEmpty(message = "ID Cannot Be Empty")
  - Must be exactly 8 characters.
- @Size(min = 8, max = 8, message = "ID Must Be 8 Characters")
- **Full Name**:
  - Cannot be empty.

- ```
  @NotEmpty(message = "Name Cannot Be Empty")
  ```
  - Must be between 8 and 25 characters.
- ```
  @Size(min = 8, max = 25, message = "Name Must Be Between 8 to 25 Letters")
  ```
- **Email**:
  - Cannot be empty.
- ```
  @NotEmpty(message = "Email Cannot Be Empty")
  ```
  - Must be a valid email format.
- ```
  @Email(message = "Enter A Valid Email")
  ```
- **Role**:
  - Cannot be empty.
- ```
  @NotEmpty(message = "Role Cannot Be Empty")
  ```
  - Must be one of the roles ("Manager," "Support Staff").
- ```
  @Pattern(regexp = "^(Manager|Support Staff)$", message = "Role Must Be Either 'Manager' or 'Staff'")
  ```
- **Contact Number**:
  - Cannot be empty.
- ```
  @NotEmpty(message = "Contact Number Cannot Be Empty")
  ```
  - Must start with "05".
- ```
  @Pattern(regexp = "^05\\d{8}$", message = "Phone Number Must Start with '05'")
  ```
  - Must be exactly 10 digits.
- ```
  @Size(min=10, max=10, message = "Phone Number Must Be 10 Digits")
  ```
- **Employment Date**:
  - Cannot be empty.
- ```
  @NotNull(message = "Date Cannot Be Empty")
  ```
  - Must be a past or present date.
- ```
  @PastOrPresent(message = "Enter A Valid Date")
  ```
- ```
  @JsonFormat(pattern = "yyyy-MM-dd HH:mm:ss")
  ```