

# EXERCISE 1: Health Monitoring with Media and GPS

## Questions to create (16 questions)

### SECTION 1: Visit Information

1. **Health worker name** - Text - Required
2. **Consultation date** - Date - Required
3. **GPS location** - Geopoint - Required

### SECTION 2: Patient Information

4. **Patient name** - Text - Required
5. **Age** - Integer - Constraint:  $\geq 0$  and  $\leq 120$  - Required
6. **Sex** - Select one - Choices: Male / Female - Required

### SECTION 3: Physical Measurements

7. **Weight (kg)** - Decimal - Constraint:  $> 0$  - Required
8. **Height (cm)** - Decimal - Constraint:  $> 0$  - Required
9. **BMI** - Automatic calculation - Formula:  $\frac{\text{weight}}{\text{height}^2}$
10. **BMI category** - Calculation - Formula: if( $\text{bmi} < 18.5$ , "Underweight", if( $\text{bmi} < 25$ , "Normal", if( $\text{bmi} < 30$ , "Overweight", "Obese"))))

### SECTION 4: Symptoms and Diagnosis

11. **Symptoms** - Select multiple - Choices: Fever / Cough / Diarrhea / Vomiting / Headache / Other - Required
12. Other Symptoms - Multiline text - Condition : if Symptoms = Other
13. **Temperature (°C)** - Decimal - Constraint:  $\geq 35$  and  $\leq 43$  - Required
14. **Diagnosis** - Multiline text - Required

### SECTION 5: Documentation

14. **Photo of lesions/symptoms** - Image - Not required

### SECTION 6: Treatment and Follow-up

15. **Prescribed treatment** - Multiline text - Required
16. **Next appointment** - Date - Not required