

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: ≥ 0 and ≤ 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: $\${\text{weight}} \text{ div } (\${\text{height}} * \$\{\text{height}\})$
10. **BMI category** - Calculation - Formula: $\text{if}(\${\text{bmi}} < 18.5, \text{"Underweight"}, \text{if}(\${\text{bmi}} < 25, \text{"Normal"}, \text{if}(\${\text{bmi}} < 30, \text{"Overweight"}, \text{"Obese"})))$

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: ≥ 35 and ≤ 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