

Advanced Scenario Examples

Below are examples of how to implement advanced versions of three scenarios from your collection, with three difficulty levels for each. These scenarios incorporate the evaluation framework and engagement mechanics previously outlined.

1. Birthday Party Memory Scenario

Beginner Level

```
json

{
  "scenario": [
    {
      "step": 1,
      "prompt": "Tell me about a birthday party. Whose party was it?",
      "intent": "Basic recall and simple sentence formation",
      "visual_support": "birthday_cake_and_presents.png",
      "audio_prompt": true
    },
    {
      "step": 2,
      "prompt": "What was your favorite thing at the party?",
      "intent": "Express preference with simple description",
      "visual_support": "party_activities_grid.png",
      "audio_prompt": true
    },
    {
      "step": 3,
      "prompt": "Did you sing Happy Birthday? How did that feel?",
      "intent": "Simple emotion expression and yes/no response",
      "visual_support": "children_singing_birthday_song.png",
      "audio_prompt": true
    }
  ]
}
```

Sample Dialogue (Beginner)

Speech Helper:

"Tell me about a birthday party. Whose party was it?"

[Visual: Birthday cake and presents]

Player Response Options:

"Party."

Needs Improvement

Try telling me whose party it was

"My friend's party."

Good

Good! You told me whose party it was

"It was my friend Sam's birthday party."

Excellent

Excellent! You told me complete information about the party

Speech Helper:

"What was your favorite thing at the party?"

[Visual: Grid showing cake, games, presents, friends]

Player Response Options:

[Points to cake]

Basic

Good choice! Can you tell me about it?

"Cake."

Basic

Good! What did you like about the cake?

"I liked the chocolate cake. It had blue frosting."

Excellent

Excellent! You told me what you liked and gave details

Intermediate Level

json

```
{  
  "scenario": [  
    {  
      "step": 1,  
      "prompt": "Tell me about a birthday party you remember. What happened at the party?",  
      "intent": "Narrative sequencing and descriptive language",  
      "visual_support": "party_scene.png",  
      "audio_prompt": true  
    },  
    {  
      "step": 2,  
      "prompt": "How did you feel at this party? Why did you feel that way?",  
      "intent": "Emotion identification with reasoning",  
      "visual_support": "emotion_faces.png",  
      "audio_prompt": true  
    },  
    {  
      "step": 3,  
      "prompt": "If you could plan your next birthday party, what would you do? What would you",  
      "intent": "Future planning and explanation",  
      "visual_support": "party_planning_items.png",  
      "audio_prompt": true  
    }  
  ]  
}
```

Advanced Level

json

```
{  
  "scenario": [  
    {  
      "step": 1,  
      "prompt": "Describe a memorable birthday celebration. What made it special and how did everyone feel?",  
      "intent": "Detailed narrative with cause-effect relationships",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 2,  
      "prompt": "Imagine your friend is sad at a birthday party. What might have happened, and what could you do to cheer them up?",  
      "intent": "Perspective-taking and problem-solving",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 3,  
      "prompt": "If you were planning a surprise party for someone, what steps would you take to keep it a secret?",  
      "intent": "Sequential planning and hypothetical reasoning",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 4,  
      "prompt": "How do birthday celebrations differ in other cultures or countries? What would be interesting about celebrating a birthday in another culture?",  
      "intent": "Cultural awareness and personal preference justification",  
      "visual_support": null,  
      "audio_prompt": false  
    }  
  ]  
}
```

2. Grocery Store Scenario

Beginner Level

```
json
{
  "scenario": [
    {
      "step": 1,
      "prompt": "You're at the grocery store. Your parent asks you to find apples. What do you",
      "intent": "Simple acknowledgment and response to request",
      "visual_support": "grocery_store_aisle.png",
      "audio_prompt": true
    },
    {
      "step": 2,
      "prompt": "You see a store helper. How do you ask where the apples are?",
      "intent": "Basic question formation",
      "visual_support": "store_worker.png",
      "audio_prompt": true
    },
    {
      "step": 3,
      "prompt": "The helper says apples are in aisle 2. What do you tell your parent?",
      "intent": "Simple information relay",
      "visual_support": "parent_waiting.png",
      "audio_prompt": true
    }
  ]
}
```

Sample Dialogue (Beginner)

Parent:

"Can you find the apples?"

[Visual: Grocery store aisle]

Player Response Options:

[Nods silently]

Needs Improvement

Try using your words to answer

"OK."

Basic

Good! You responded to the request

"I'll look for the apples."

Excellent

Excellent! You gave a clear, complete response

Narrator:

"You see a store helper. How do you ask where the apples are?"

[Visual: Friendly store worker]

Player Response Options:

[Points and looks confused]

Needs Improvement

Try asking a question with your words

"Where apples?"

Basic

Good try! Let's make it a complete question

"Excuse me, where are the apples?"

Excellent

Excellent! Your question was clear and polite

Intermediate Level

Matches the intermediate level from the previously created artifact.

Advanced Level

```
json
```

```
{  
  "scenario": [  
    {  
      "step": 1,  
      "prompt": "Your family is planning a special dinner and needs ingredients. How would you  
      "intent": "Initiative-taking and helpful offering",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 2,  
      "prompt": "You need to find unusual ingredients: star fruit and quinoa. The store is busy  
      "intent": "Problem-solving and strategic thinking",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 3,  
      "prompt": "You notice the quinoa costs more than the money you have. What would you do ar  
      "intent": "Problem communication and solution generation",  
      "visual_support": null,  
      "audio_prompt": false  
    },  
    {  
      "step": 4,  
      "prompt": "At checkout, the cashier accidentally charges you twice for an item. How woulc  
      "intent": "Assertive communication and error correction",  
      "visual_support": null,  
      "audio_prompt": false  
    }  
  ]  
}
```

3. Doctor's Office Scenario

Beginner Level

```

json
{
  "scenario": [
    {
      "step": 1,
      "prompt": "The doctor says hello and asks how you're feeling today. What do you say?",
      "intent": "Basic greeting and simple health description",
      "visual_support": "friendly_doctor.png",
      "audio_prompt": true
    },
    {
      "step": 2,
      "prompt": "The doctor asks you to open your mouth and say 'ahhh'. What do you do?",
      "intent": "Following simple instructions",
      "visual_support": "open_mouth_example.png",
      "audio_prompt": true
    },
    {
      "step": 3,
      "prompt": "The doctor offers you a sticker or a small toy. Which one do you want?",
      "intent": "Making a simple choice",
      "visual_support": "sticker_and_toy.png",
      "audio_prompt": true
    }
  ]
}

```

Sample Dialogue (Beginner)

Doctor:

"Hello there! How are you feeling today?"

[Visual: Friendly doctor smiling]

Player Response Options:

[Shrugs shoulders]

Needs Improvement

Let's use our words to tell the doctor how we feel

"Good."

Basic

Good start! You answered the question

"I feel good today. My tummy doesn't hurt anymore."

Excellent

Excellent! You told how you feel and gave helpful information

Doctor:

"Can you open your mouth wide and say 'ahhh' for me?"

[Visual: Example of open mouth saying "ahhh"]

Player Response Options:

[Opens mouth but makes no sound]

Needs Improvement

Remember to make the "ahhh" sound too

"Ahhh." [with mouth partly open]

Good

Good job! Next time, try opening wider

"Ahhh!" [opens mouth wide and makes clear sound]

Excellent

Excellent! You followed both instructions perfectly

Intermediate Level

Matches the intermediate level from the previously created artifact.

Advanced Level

```
json
{
  "scenario": [
    {
      "step": 1,
      "prompt": "You've had a sore throat and cough for three days. How would you clearly describe your symptoms?",
      "intent": "Detailed symptom description with temporal elements",
      "visual_support": null,
      "audio_prompt": false
    },
    {
      "step": 2,
      "prompt": "The doctor explains you have a virus that needs rest and fluids, not antibiotics. What are the key points of this advice?",
      "intent": "Medical information comprehension and relay",
      "visual_support": null,
      "audio_prompt": false
    },
    {
      "step": 3,
      "prompt": "You're worried about missing an important school event because of your illness. What questions should you ask the doctor to get more information?",
      "intent": "Formulating specific questions for information gathering",
      "visual_support": null,
      "audio_prompt": false
    },
    {
      "step": 4,
      "prompt": "The doctor gives complex instructions about medication and rest. How would you summarize these instructions to ensure you understand them correctly?",
      "intent": "Clarification seeking and memory strategies",
      "visual_support": null,
      "audio_prompt": false
    }
  ]
}
```

Integration with Evaluation Framework

Each scenario response would be evaluated using the comprehensive rubric system outlined in the evaluation framework, generating both immediate feedback and cumulative assessment. For example:

Sample Immediate Feedback (Intermediate Level, Doctor Scenario)

Player Response: "I've been feeling sick since yesterday. My throat hurts and I have a headache."

Real-time Evaluation:

```
json

{
  "response_evaluation": {
    "articulation": {
      "score": 4,
      "note": "Clear pronunciation of all sounds"
    },
    "vocabulary": {
      "score": 3,
      "note": "Good health vocabulary, could add more specific descriptors"
    },
    "grammar": {
      "score": 5,
      "note": "Excellent sentence structure and tense usage"
    },
    "clarity": {
      "score": 4,
      "note": "Clear communication of symptoms with temporal information"
    }
  },
  "feedback": {
    "strength": "Great job explaining when your symptoms started!",
    "next_step": "Can you tell the doctor more about how your throat feels?"
  }
}
```

Sample End-of-Scenario Rewards

```
json
```

```
{
  "rewards_earned": {
    "points": 85,
    "stars": 2,
    "unlocked": "Doctor's Badge",
    "progress": "+5% toward Health Hero level"
  },
  "achievements": {
    "symptom_superstar": {
      "description": "Clearly described health problems",
      "first_time": true
    },
    "question_master": {
      "description": "Asked helpful questions",
      "progress": "3/5 completed"
    }
  }
}
```

Linking to Mini-Games

Each scenario would connect to specific mini-games for reinforcement:

Doctor Scenario Links

- **Body Parts Vocabulary Game:** Learn and practice naming body parts and symptoms
- **Instruction Follower:** Practice following multi-step medical instructions
- **Question Creator:** Build different types of questions to ask healthcare providers

Birthday Party Scenario Links

- **Emotion Matcher:** Connect feelings with party situations
- **Story Sequencer:** Put birthday events in logical order
- **Description Builder:** Practice describing objects with multiple attributes

Grocery Store Scenario Links

- **Food Categorizer:** Sort foods into food groups
- **Direction Detective:** Follow multi-step directions to find items
- **Price Calculator:** Basic math skills for shopping

