Scenario No.	Partner	Environment	Skill Targeted	Scenario	Items	Pictures	Dialogue	Other Comments

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Scenario 3: Water Conservation – Irrigation System Setup	P3 EMP	Hotel garden	Water Conservation – Irrigation System Setup	Step 1: Introduce the concept of water conservation in hotel gardens. Step 2: Display different irrigation methods: drip irrigation, sprinkler system, and manual watering. [The correct answer is the drip irrigation system] Step 3: Instruct the player to select and set up the most water-efficient system. Step 4: Once installed, provide feedback: Feedback if Correct: "Perfect! Drip irrigation saves water while keeping plants healthy." Feedback if Wrong: "Hmm, this method wastes too much water. Try choosing a more efficient system."	Step 1: Introduce the concept: "In this challenge, you'll help conserve water in a hotel garden by choosing the most efficient irrigation system!" Step 2: Display an image showing three irrigation methods: Drip Irrigation (the most efficient method). Sprinkler System (less efficient, higher water waste). Manual Watering (least efficient, most water use). Step 3: Instruct the player to select the most water-efficient system from the image. Step 4: After the selection: Feedback if correct: "Great choice! Drip irrigation saves water and keeps the plants healthy." Feedback if wrong: "This method uses too much water. Try again and choose the most efficient system."	Display pictures of different irrigation methods: drip irrigation, sprinkler system, and manual watering.	Dialogue 1: "Water is precious! Instead of using excessive water for the garden, we'll install a drip irrigation system to save resources!" Dialogue2: "Choose the best irrigation system for conserving water in the garden." Dialogue3: "Now, set up the system by connecting the pipes and nozzles." Dialogue4 (Correct): "Perfect! Drip irrigation saves water while keeping plants healthy." Dialogue5 (Wrong): "Hmm, this method wastes too much water. Try again." Dialogue6: "Nice work! The garden is now more sustainable."	
Scenario 4: Planting a Pollinator Garden	P3 EMP	Hotel garden	Planting a Pollinator Garden	Step 1: Introduce the importance of pollinators in a healthy ecosystem. Step 2: Display a selection of plants and flowers, including nectar-rich native species and ornamental plants. Step 3: Instruct the player to plant flowers that will attract bees and butterflies. Step 4: Once planted, provide feedback: Feedback if Correct: "Excellent choice! These flowers will help pollinators thrive." Feedback if Wrong: "Oops! Some of these plants don't support pollinators. Try again."	Native wildflowers & nectar-rich plants (Correct choice) Ornamental plants with no nectar (Incorrect – not beneficial for pollinators) Artificial plants (Incorrect – no benefit to pollinators) Shovel, soil,		Dialogue 1: "Pollinators like bees and butterflies help plants grow! Let's create a pollinator-friendly garden to support biodiversity." Dialogue2: "Choose flowers that attract pollinators and help biodiversity." Dialogue3: "Now, plant them in the hotel garden." Dialogue4 (Correct): "Excellent choice! These flowers will help pollinators thrive." Dialogue5 (Wrong): "Oops! Some of these plants don't support pollinators. Try again." Dialogue6: "Fantastic! The hotel's garden is now a haven for wildlife."	
Scenario 5: Composting for a Sustainable Garden	P3 EMP	Hotel garden	Understanding composting and its role in waste reduction and soil enrichment.	Step 1: Introduce the player to the concept of composting and its environmental benefits. Step 2: Present different types of organic waste (e.g., fruit peels, coffee grounds, leaves, and food scraps) and non-compostable waste (e.g., plastic, glass, and metal). Step 3: Instruct the player to sort items into the correct bins: Compost Bin (for organic waste) and General Waste Bin (for non-compostable items). Step 4: Once sorting is complete, provide feedback: Feedback if Correct: "Great job! Composting organic waste helps create nutrient-rich soil and reduces landfill waste." Feedback if Wrong: "Not quite! Remember, only natural waste like food scraps and leaves should go into the compost bin. Try again!"	Compost bin, general waste bin, various waste items (fruit peels, coffee grounds, leaves, grass, plastic bottle, glass jar, metal can, meat).		Dialogue1: Now, we'll learn how to compost and turn waste into valuable soil." Dialogue2: "Composting helps reduce waste and provides nutrients for plants. Let's get started!" Dialogue3: "Here are different waste items. Sort them into the correct bin: Compost or General Waste." Dialogue4 (Correct): "Great job! Composting organic waste helps create nutrient-rich soil and reduces landfill waste." Dialogue5 (Wrong): "Not quite! Remember, only natural waste like food scraps and leaves should go into the compost bin. Try again!" Dialogue6: "Well done! Now, watch how these composted materials break down into healthy soil for our garden." Dialogue7: "Let's move on to the next eco-friendly activity!"	
Scenario 6	P1	Hotel Garden	Identify reusable and sustainable hospitality products and understand guest-area setup through an eco-tourism lens	Step 1: Introduce player to the Scenario Type (Eco-Tourism). Display hotel garden with nature sounds and banner: "Scenario Type: Eco-Tourism" Step 2: Introduce player to the Scenario Activity (Preparing a sustainable welcome area). Text: "Activity: Select and place eco-friendly items in the garden welcome zone for incoming guests." Step 3: Show/present the objects/tools needed in the activity. Guide avatar presents items on table: a)Refillable water bottle, bamboo toothbrush, solar garden light b) Plastic mini bottles, paper flyers, disposable razors Highlight hotspots: garden sink, welcome table, basket Show eco-score bar UI Step 4: Show MCQ or 3D object and let user identify the right product. 1) Plastic mini bottles MCQ: A) Good for eco-travel (wrong) B) Bad choice (correct) 2) Refillable bottle MCQ: A) Eco-friendly (correct) B) Wasteful (wrong) 3) Solar light MCQ: A) Supports sustainability (correct) B) Not useful (wrong) 4) Bamboo toothbrush MCQ: A) Sustainable choice (correct) B) Harmful (wrong) Step 5: Acknowledge answer. Correct: Green Checkmark + "Item placed successfully" Wrong: Red X + "Not an eco-friendly option" All correct: Badge "Green Host" + full eco-score + butterfly animation	•Refillable glass water bottle •Bamboo toothbrush •Motion-sensor solar garden light •Plastic mini bottles •Paper flyers •Disposable razors		Dialogue1: "We're preparing the hotel garden to welcome eco-conscious guests." Dialogue2: "Choose the items that reflect our eco-tourism values." Dialogue3: "Which of these is the most sustainable choice?" Dialogue4: "Correct! That item is reusable and eco-friendly." Dialogue5: "Not the best option—try something with less waste." Dialogue6: "Great job! The garden is ready for our guests."	
Scenario 7	P6	Hotel garden	Choosing the Right Energy Source for an Eco-Friendly Hotel	Step 1: Scenario introduction. Display a scene of a beautifully designed eco-friendly hotel surrounded by nature, along with an environmental badge icon and the text "Scenario type: choosing energy sources". Step 2: Activity introduction. Text: "Activity: Select the most suitable energy sources to power the hotel sustainably. Step 3: Show the options/tools needed in the activity. •Display a 'Energy Selection Tablet' (virtual). •Display in the environment: solar panels, a small wind turbine, a geothermal heating system, and a biofuel generator. •Display three energy source stations with colored icons: oYellow (Solar Energy) oBlue (Wind Energy) oGreen (Geothermal Energy) Step 4: Display the multiple-choice question or interaction with the 3D object and allow the user to identify the appropriate energy source. •Scenario 1 (Solar Panels). oDisplay the energy selection tablet on the solar panels. oDisplay the MCQ interface: A) Yellow Station (Solar Energy) (correct) B) Blue Station (Wind Energy) (incorrect) •Scenario 2 (Wind Turbine): oUse the energy selection tablet on the wind turbine. oDisplay the MCQ interface: A) Blue Station (Wind Energy) (correct) B) Green Station (Geothermal Energy) (incorrect) •Scenario 3 (Geothermal Heating): oUse the energy selection tablet on the geothermal system. oDisplay the MCQ interface: A) Green Station (Geothermal Energy) (correct) B) Yellow Station (Solar Energy) (incorrect) Step 5: Confirm the user's answer. •Correct: Display confetti + a green check mark. •Incorrect: Display a red X + text: "Try again. This is not the right energy source station." After completing all energy selections, unlock the "Eco Energy Champion" badge.	•Energy Selection Tablet – Virtual tool for choosing energy sources •Energy Efficiency Guide – A booklet with tips on sustainable energy •Safety Gear – Protective equipment for handling installations •Power Meter – For measuring energy output •Recycling Bin – To collect waste materials during the setup		• Dialogue1: We are now here to explore and learn about choosing the right energy sources for an eco-friendly hotel. • Dialogue2: In our first activity, we will select energy options to power the hotel sustainably. • Dialogue3: Your Energy Selection Tablet is now active. Use it to identify the best energy source for each situation. • Dialogue4: Which energy source should we use to power the hotel? • Dialogue5: Well done! You answered it correctly! • Dialogue6: It's not the correct answer. Try again. • Dialogue7: Let's go to the next activity.	
Scenario 8: Installing a greywater recycling system	P4	Hotel garden	Efficient water management through greywater recycling	Step 1: Gravater recycling and introduce the concept of its benefits for the use of sustainable water in hotel gardens. Explain that the gravator is used by light sinks, shower and laundry water, which can be reused safely for irrigation after filtration. Instead of relying on fresh municipal sources, highlight the environment and cost-saving benefits of reuse of water. Step 2: Display various water sources for irrigation: Fresh municipal water (high cost, low durable) Rainwater harvesting system (seasonal, permanent) Gravater recycling system (Comprehensive, Environmentally friendly) Step 3: Instruct the player to analyze and select the best water source for sustainable irrigation. Then, guide them to install gravitter recycling systems by connecting them, installing a filtration unit, and directing the irrigation system filtered water. Step 4: Provide feedback based on user options: Correct answer (Gravatter Recycling System): "Gravater recycling helps in conservation of fresh water and supports sustainable gardening." Incorrect answer (fresh municipality water): "Oops! Relying on fresh municipality water increases the cost and waste. Try to select a more sustainable option." Wrong answer (rainwater harvesting only): "Almost there! Rainwater harvesting is very good, but it is not always available.	Water source: Fresh municipal water, Rain water collection tank, Gravater recycling system Installation equipment: pipe, filtration unit, water storage tank, irrigation system		Dialogue 1: Welcome to our Eco-Friendly Hotel! Our goal is to make it as sustainable as possible. Let's explore how we can power it using clean energy sources! Dialogue2: In our first activity, we will select energy options to power the hotel sustainably. Dialogue3: Your Energy Selection Tablet is now active. Use it to identify the best energy source for each situation. Dialogue4: Which energy source should we use to power the hotel? Dialogue5: Well done! You answered it correctly! Dialogue6: It's not the correct answer. Try again. Dialogue7: Let's go to the next activity.	

Scenario 9	P2	Hotel garden	**Creating plant markers from recycled materials**	**Step 1. Introduce player to the scenario type** text: "Welcome to the eco-tourism experience! In this simulation, you'll explore how hotels can care for nature and create beautiful, sustainable gardens for their guests using upcycled materials" **Step 2. Introduce player to the scenario activity** text: "Today's activity is to make plant markers using recycled materials. These markers help guests and staff identify the plants in the garden, and you'll make them by reusing items that would otherwise become waste!" **Step 3. Show the objects and tools needed** (the objects can appear on a work table in 3D) old plastic utensils - wooden posicle sticks - bottle caps - marker pens - paint and brush - twine, stickers, old corks - paper scraps **Step 4. Multiple choice selection task** Which of these objects are suitable for making plant markers" Interactive options: - popsicle stick - plastic spoon - bottle cap - banana peel (wrong) - broken glass (wrong) - wine cork - candy wrapper (wrong) When player selects answers, a feedback vibrations or illuminated button **Step 5. Acknowledge user's action** If correct: "Well done! You've selected the right materials to make sustainable and creative plant markers. These small actions help promote eco-tourism and reduce waste!" Reward visuals: a virtual "Green skill" badge appears If wrong: "Not quite! Some of the items you picked can't be used for plant markers. Try choosing items. Things like wood, plastic caps or corks are great choices!"		Recycled materials: popsicle sticks, plastic spoons, bottle caps, wine corks, reused cardboard tabs. Other objects: paint and brush, twine, old decorative stickers		Dialogue 1: We are now here to explore and learn about Eco Tourism. Dialogue 2: For our activity, we will select the right recycled materials to create plant markers for the hotel garden. Dialogue 3: Let's get started. Dialogue 4: Grab the popsicle stick and put it on the crafting table. Grab the candy wrapper and put it in the waste bin. Dialogue 5: This is incorrect. This item cannot be used to make a plant marker. Try again. Dialogue 6: Wonderful! You got it right! Dialogue 7: Let's go to the next activity.	
Scenario 10	P5	Hotel Garden	**Organizing a composting system**	**Step 1**: Player separates food waste into compostable and non-compostable bins. **Step 2**: Player transfers compostable material to compost pile. **Step 3**: Player mixes materials to start composting. **Step 4**: Player labels the compost pile with an information sign.		Compost bins, Food waste, Compost mixer tool, Signboard		Dialogue 1: "Welcome to Green Hotel! Your task today is to start a composting system to reduce waste." Dialogue 2: "Separate, compost, and inform guests about our eco-initiative!" Dialogue 3: "Let's begin by setting up designated bins for organic waste in the kitchen and dining areas." Dialogue 4: "Make sure to include clear signs to guide staff and guests on what can and cannot be composted." Dialogue 5: "Next, we need to monitor the composting process and turn the pile regularly to ensure it breaks down efficiently." Dialogue 6: "Fantastic! The compost is rich and ready to be used in our garden, reducing waste significantly." Dialogue 7: "Excellent work! Now, let's host a workshop to educate guests on composting and our sustainability efforts."	ould add bonus points if player correctly identifies non-compostable items.