# **🎲 Task: Number Guessing Game (React + JavaScript)**

## **Objective**

Create an interactive number guessing game where users try to guess a randomly generated number within a given range. The game should provide feedback and track the number of attempts.

## **📌 Features & Requirements**

### **1️⃣ Generate a Random Number**

* When the game starts, generate a random number within a specified range (e.g., 1 to 100).
* The number should remain hidden until the user guesses it correctly.

### **2️⃣ Accept User Input**

* Provide an input field where users can enter their guess.
* Ensure the input only allows numbers.

### **3️⃣ Provide Feedback on Each Guess**

* After each guess, display feedback:  
  ✅ "Too High" → If the guessed number is greater than the target number.  
  ✅ "Too Low" → If the guessed number is smaller than the target number.  
  ✅ "Correct! You guessed it in X attempts!" → If the guess is correct.

### **4️⃣ Track Number of Attempts**

* Keep a counter that tracks how many attempts the user has made.

### **5️⃣ Allow Game Restart**

* Provide a Restart Button that generates a new random number and resets the game.

## **💡 Expected UI Behavior**

✅ Input field for entering a guess.  
✅ Button to submit the guess.  
✅ Feedback message after each guess.  
✅ Display number of attempts taken.  
✅ Restart button to reset the game.