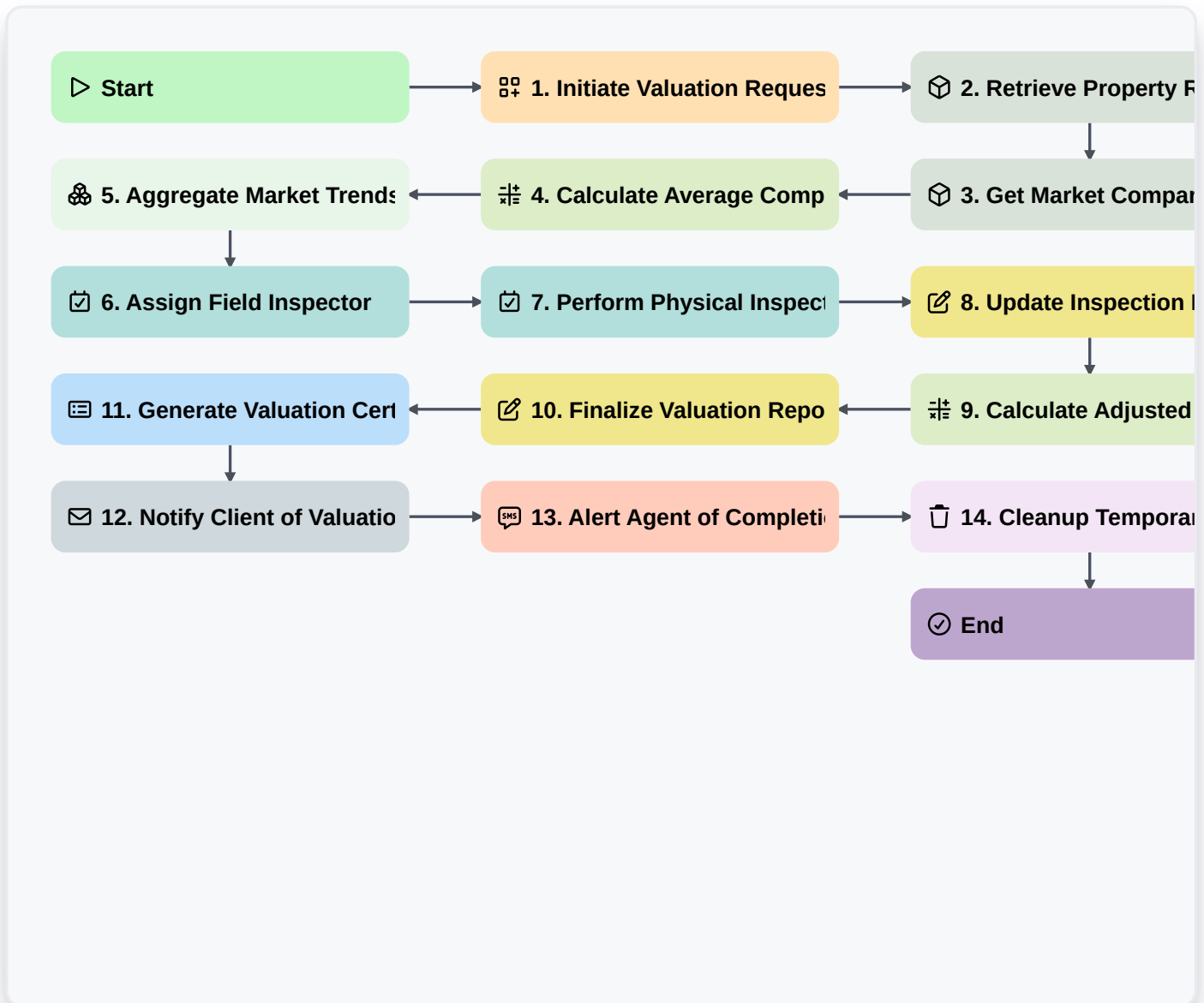


# Automated Property Valuation Workflow



## ▷ Start

Start of the Workflow/Process.

## ☰ 1. Initiate Valuation Request

Create a new 'Valuation Request' entry in the Valuation Data Model with property details.

## 📦 2. Retrieve Property Records

Fetch historical sales data and property tax records from the Property Database.

## 📦 3. Get Market Comparables

Retrieve recent 'Sold' listings from the Comps Data Model within a specific radius.

## 📊 4. Calculate Average Comparable Price

Calculate the average price per square foot from the retrieved comparable properties.

## 📊 5. Aggregate Market Trends

Calculate the Max and Min price trends in the local area from the market data entries.

## 📅 6. Assign Field Inspector

Create a task for a Field Agent to perform a physical site inspection of the property.



### **7. Perform Physical Inspection Checklist**

Create a task with a detailed checklist for inspecting structural integrity, interior condition, and amenities.

### **8. Update Inspection Findings**

Update the Valuation Request entry with the notes and photos provided by the Field Inspector.

### **9. Calculate Adjusted Valuation**

Execute a formula applying depreciation or premium multipliers to the base market price based on inspection findings.

### **10. Finalize Valuation Report Data**

Update the final estimated value and confidence score in the Valuation Request entry.

### **11. Generate Valuation Certificate**

Generate a formal PDF Valuation Report based on the aggregated data and inspection notes.

### **12. Notify Client of Valuation**

Send an email to the property owner containing the final valuation summary and the generated report.

### **13. Alert Agent of Completion**

Send an SMS to the assigned Agent notifying them that the valuation process is closed.

### **14. Cleanup Temporary Data**

Delete temporary calculation logs or transient session entries used during the valuation process.

### **End**

End of the Workflow/Process.