**HTML Invoice Form – Point-Wise Explanation**

**🟢 1. <!DOCTYPE html>**

* Declares the document is an **HTML5 page**.

**🟢 2. <html>, <head>, <title>**

* Sets up the page structure.
* <title>Create Invoice</title> shows the tab name in your browser.

**🟢 3. <body>**

* Starts the **visible content** of the web page.

**🟢 4. <h2>Create New Invoice</h2>**

* Main heading displayed at the top of the page.

**🟢 5. <form method="POST" action="/submit">**

* Starts a form that:
  + Uses **POST** method to send data
  + Sends data to the /submit route in Flask

**🟢 6. Customer Details Section**

| **HTML Code** | **Purpose** |
| --- | --- |
| <input type="text" name="name" required> | Customer Name (Required) |
| <input type="text" name="contact"> | Customer Contact (Optional) |
| <input type="text" name="address"> | Customer Address (Optional) |

**🟢 7. Item Input Section**

* Contains inputs for **Item Name**, **Quantity**, and **Price**
* Uses name="item\_name[]", qty[], price[] to collect **multiple entries as lists**

**🟢 8. <div id="items">**

* Holds the initial item input block
* More item fields will be added **dynamically inside this div** using JavaScript.

**🟢 9. <button type="button" onclick="addItem()">Add Another Item</button>**

* This button **doesn’t submit the form**
* Instead, it **adds another set of item inputs** when clicked

**🟢 10. <input type="submit" value="Submit Invoice">**

* Submits the entire form to /submit
* All customer + item data gets sent to the backend

**🟢 11. <script> function addItem() { ... } </script>**

* JavaScript function that:
  + **Creates a new item input block**
  + Inserts it into the #items section
  + Lets users add unlimited products dynamically

**✅ Bonus: How Data Is Sent to Flask**

* name="item\_name[]" → Comes as a **list**

python

Copy code

request.form.getlist("item\_name[]") → ['Pen', 'Notebook']