Section 1: Debugging Techniques

customer_aniversary.py M | email.py | item_sum.js | item_sum.py | purchase_mail.py | hooks.py

apps > serverscript > serverscript > customization > customer_aniversary.py

```python
import frappe
import frappe.utils

def my_function():
    import pdb; pdb.set_trace()
    # Your code here

def validate(doc, method):
    import pdb; pdb.set_trace()  # Add this line to start the debugger
    if doc.custom_customer_anniversary and doc.custom_customer_anniversary > frappe.utils.today():
        frappe.throw("Customer Anniversary cannot be a future date.")

```

```
.1" 200 -
23:35:49 web.1          |  * Detected change in '/home/practice/frappe-bench/apps/serverscript/serverscript/customization
/customer_aniversary.py', reloading
23:35:49 web.1          |  * Restarting with stat
23:35:50 web.1          |  * Debugger is active!
23:35:50 web.1          |  * Debugger PIN: 729-182-745
```

customer_aniversary.py M | email.py | item_sum.js U | item_sum.py M | purchase_mail.py | hooks.py M | testing

apps > serverscript > serverscript > public > js > item_sum.js > quantity

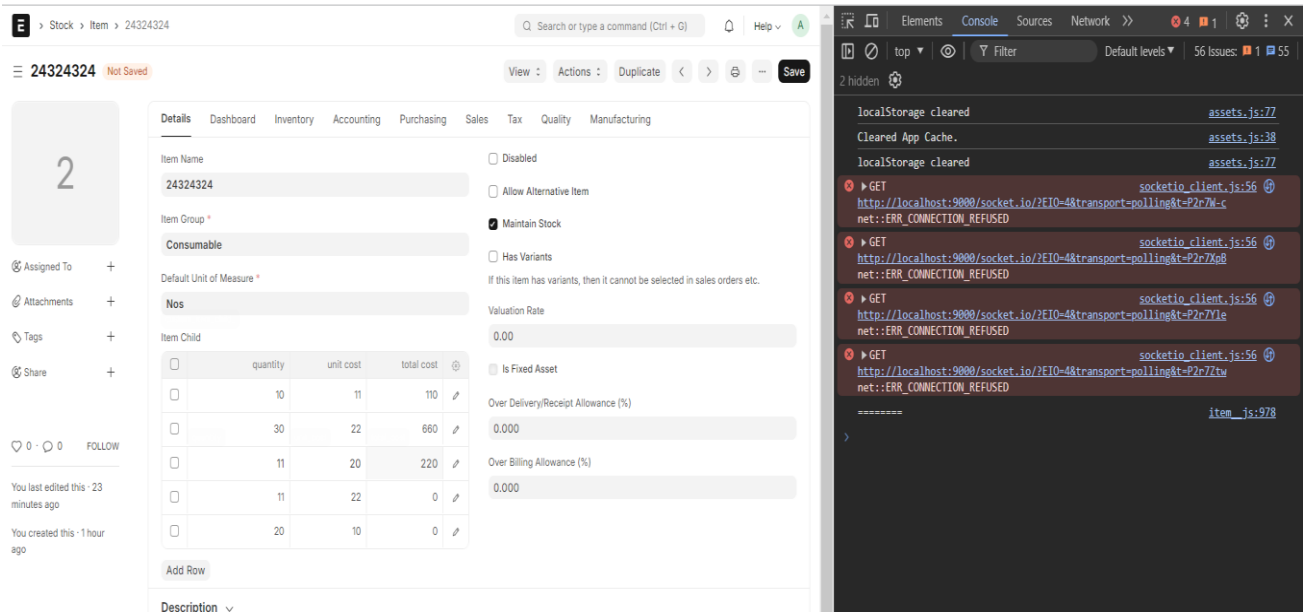
```javascript
frappe.ui.form.on('Item Child', {
  quantity: function(frm, cdt, cdn) {
      console.log("========")
      let row = locals[cdt][cdn];
      calculate_total_cost(row);
      frm.refresh_field('custom_item_child_');
  },
  unit_cost: function(frm, cdt, cdn) {
      let row = locals[cdt][cdn];
      calculate_total_cost(row);
      frm.refresh_field('custom_item_child_');
  }
});

function calculate_total_cost(row) {
  row.total_cost = row.quantity * row.unit_cost;
  frappe.model.set_value(row.doctype, row.name, 'total_cost', row.total_cost);
}

```

function calculate_total_cost(row: any): void

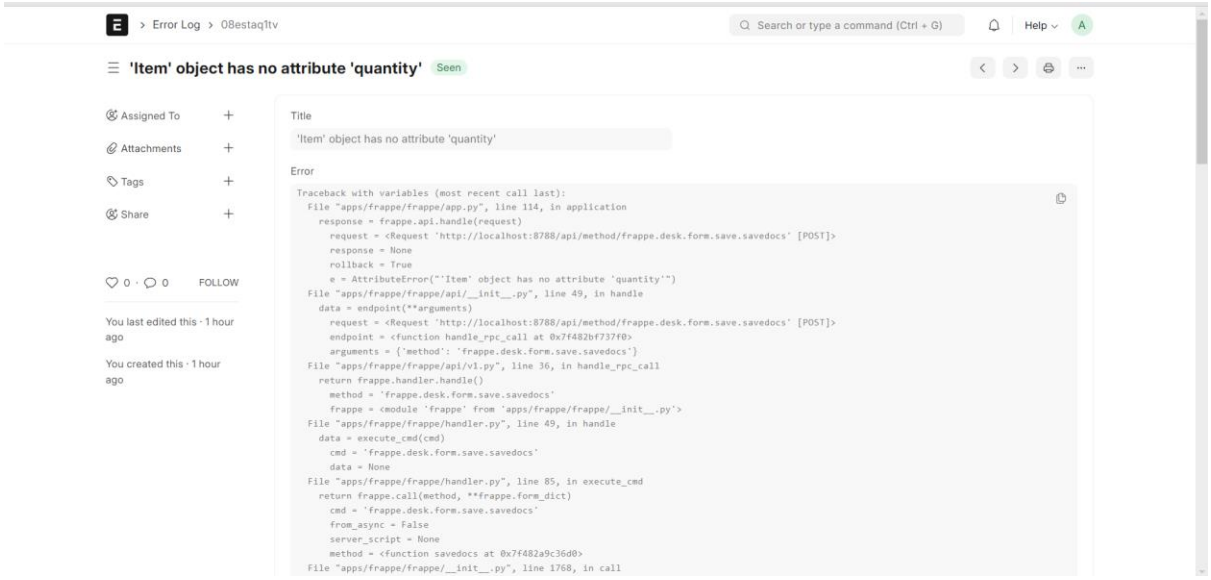
Console Printing in JS

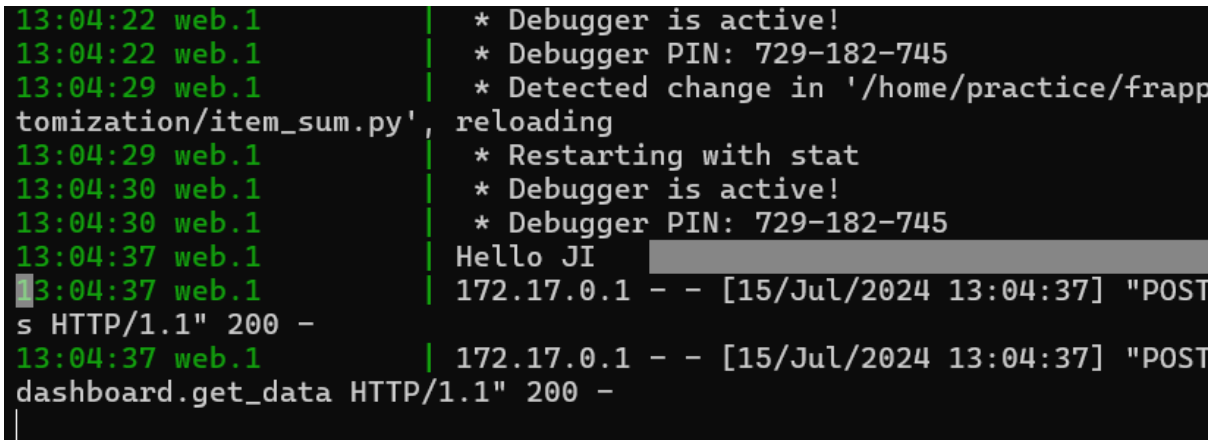


Python Bug Debugger

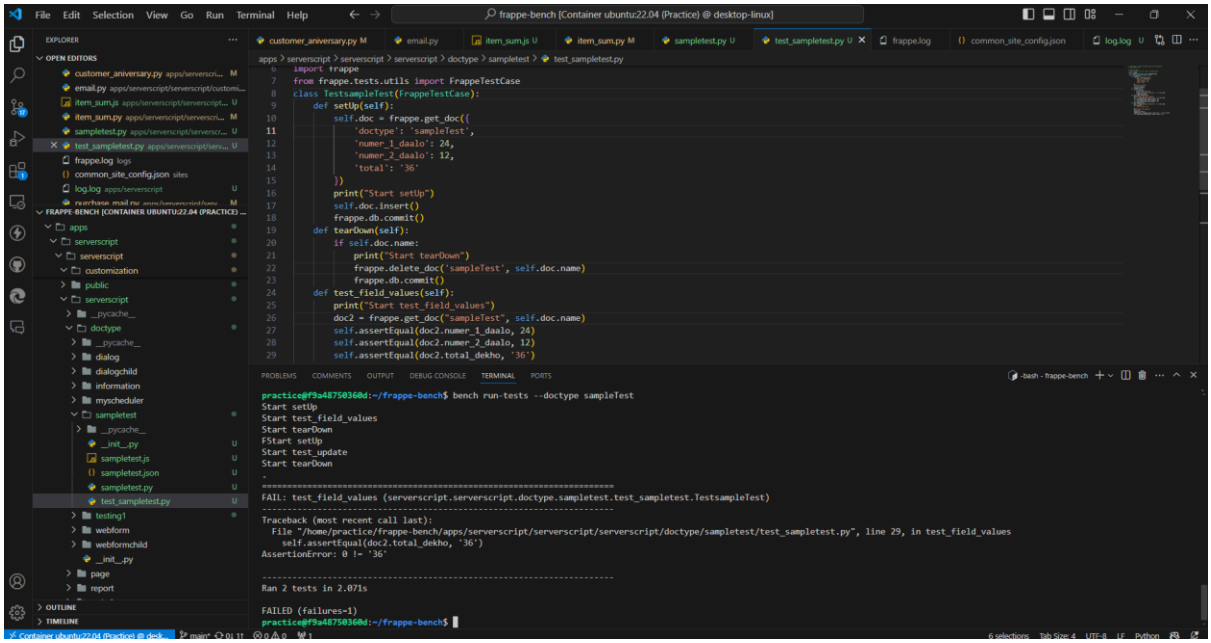
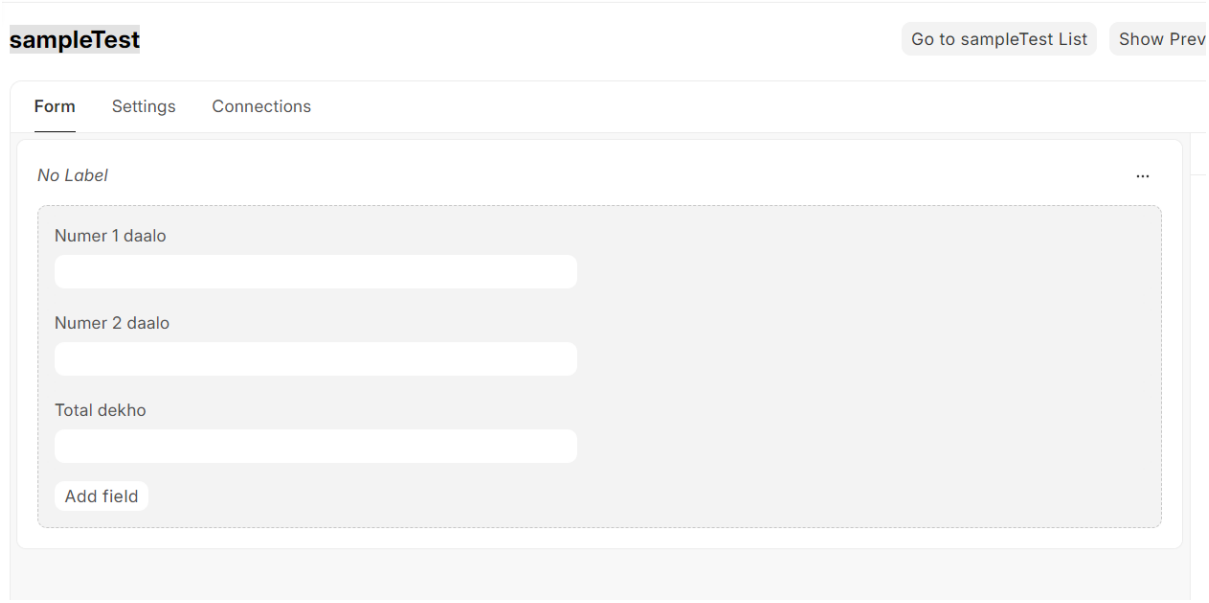
```
12:30:13 web.1          |     return _bootstrap._gcd_import(name[level:], package, level)
12:30:13 web.1          |   File "<frozen importlib._bootstrap>", line 1050, in _gcd_import
12:30:13 web.1          |   File "<frozen importlib._bootstrap>", line 1027, in _find_and_load
12:30:13 web.1          |   File "<frozen importlib._bootstrap>", line 1006, in _find_and_load_unlocked
12:30:13 web.1          |   File "<frozen importlib._bootstrap>", line 688, in _load_unlocked
12:30:13 web.1          |   File "<frozen importlib._bootstrap_external>", line 879, in exec_module
12:30:13 web.1          |   File "<frozen importlib._bootstrap_external>", line 1017, in get_code
12:30:13 web.1          |   File "<frozen importlib._bootstrap_external>", line 947, in source_to_code
12:30:13 web.1          |   File "<frozen importlib._bootstrap>", line 241, in _call_with_frames_removed
12:30:13 web.1          |   File "apps/serverscript/serverscript/customization/item_sum.py", line 5
12:30:13 web.1          |     for item in doc.custom_item_child_:
12:30:13 web.1          |                                       ^
12:30:13 web.1          | IndentationError: unindent does not match any outer indentation level
12:30:13 web.1          |
12:30:13 web.1          | 172.17.0.1 - - [15/Jul/2024 12:30:13] "POST /api/method/frappe.desk.form.save.savedoc
s HTTP/1.1" 500 -
12:30:43 web.1          |  * Detected change in '/home/practice/frappe-bench/apps/serverscript/serverscript/cus
tomization/item_sum.py', reloading
12:30:43 web.1          |  * Restarting with stat
12:30:44 web.1          |  * Debugger is active!
12:30:44 web.1          |  * Debugger PIN: 729-182-745
12:31:36 web.1          | 172.17.0.1 - - [15/Jul/2024 12:31:36] "POST /api/method/frappe.desk.form.save.savedoc
s HTTP/1.1" 200 -
12:31:37 web.1          | 172.17.0.1 - - [15/Jul/2024 12:31:37] "POST /api/method/erpnext.stock.dashboard.item_
dashboard.get_data HTTP/1.1" 200 -
```

Issues on UI on ERPNEXT





Section: Unit Testing



```
practice@f9a48750360d:~/frappe-bench$ bench run-tests --doctype sampleTest
Start setUp
Start test_field_values
Start tearDown
FStart setUp
Start test_update
Start tearDown
.
======================================================================
FAIL: test_field_values (serverscript.serverscript.doctype.sampletest.test_sampletest.TestsampleTest)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "/home/practice/frappe-bench/apps/serverscript/serverscript/serverscript/doctype/sampletest/test_sampletest.py", line 29, in test_field_values
    self.assertEqual(doc2.total_dekho, '36')
AssertionError: 0 != '36'

----------------------------------------------------------------------
Ran 2 tests in 2.071s

FAILED (failures=1)
```