

Section 1: Debugging Techniques

```
customer_aniversary.py M X email.py item_sum.js item_sum.py purchase_mail.py hooks.py
apps > serverscript > serverscript > customization > customer_aniversary.py
1 import frappe
2 import frappe.utils
3
4 def my_function():
5     import pdb; pdb.set_trace()
6     # Your code here
7
8 def validate(doc, method):
9     import pdb; pdb.set_trace() # Add this line to start the debugger
10    if doc.custom_customer_anniversary and doc.custom_customer_anniversary > frappe.utils.today():
11        frappe.throw("Customer Anniversary cannot be a future date.")
12
```

```
.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 X item_sum.py M purchase_mail.py hooks.py M testing
apps > serverscript > serverscript > public > js > item_sum.js > quantity
> docty

1 frappe.ui.form.on('Item Child', {
2     quantity: function(frm, cdt, cdn) {
3         console.log("=====")
4         let row = locals[cdt][cdn];
5         calculate_total_cost(row);
6         frm.refresh_field('custom_item_child_');
7     },
8     unit_cost: function(frm, cdt, cdn) {
9         let row = locals[cdt][cdn];
10        calculate_total_cost(row);
11        frm.refresh_field('custom_item_child_');
12    }
13 });
14 function calculate_total_cost(row: any): void
15 function calculate_total_cost(row) {
16     row.total_cost = row.quantity * row.unit_cost;
17     frappe.model.set_value(row.doctype, row.name, 'total_cost', row.total_cost);
18 }
19
```

Console Printing in JS

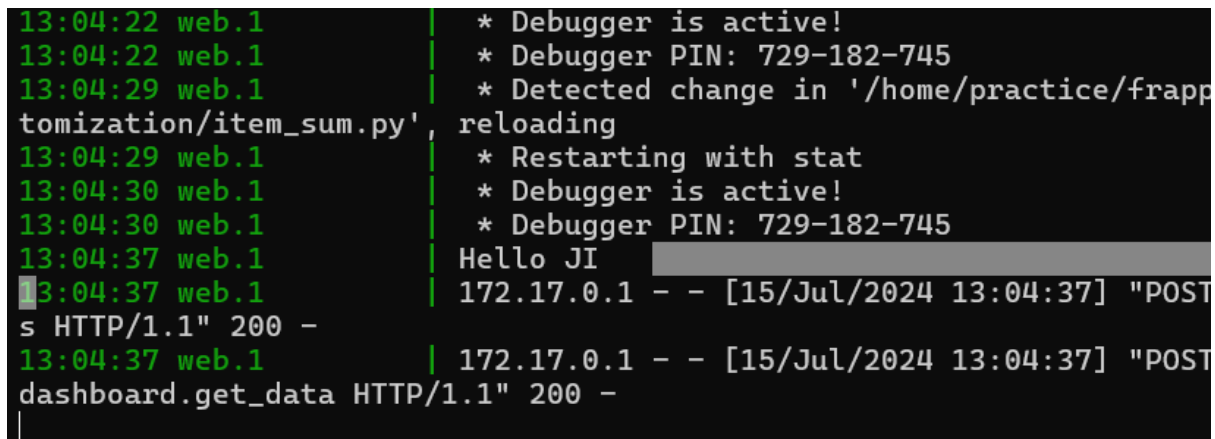
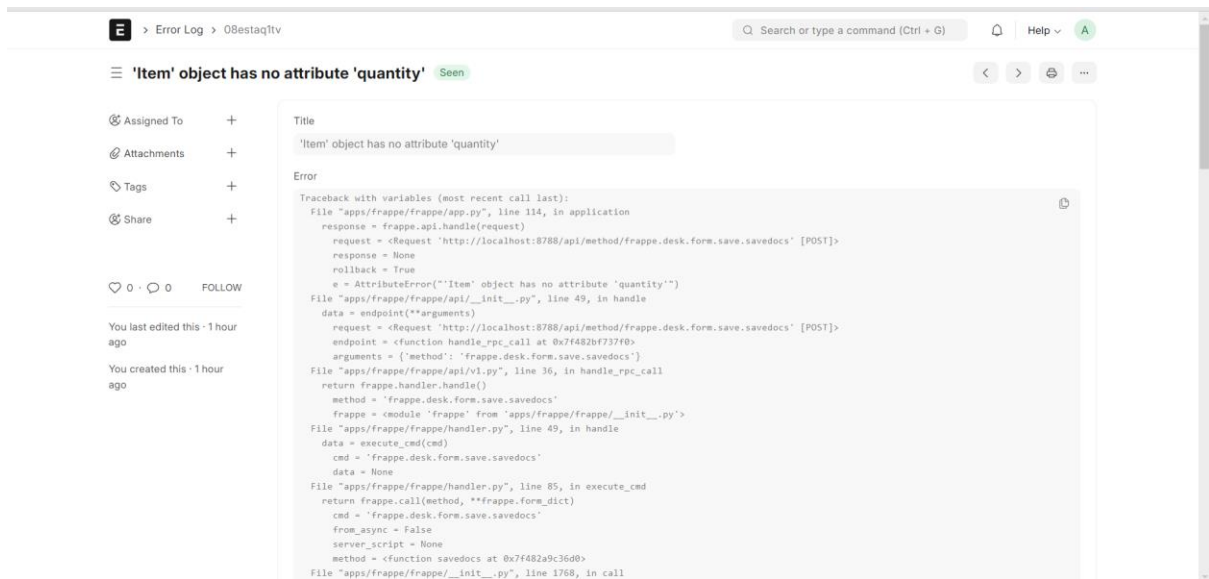
The screenshot shows a web application interface for managing items. The main content area displays the details for item 24324324, which is a consumable item. The interface includes tabs for Details, Dashboard, Inventory, Accounting, Purchasing, Sales, Tax, Quality, and Manufacturing. The Details tab is active, showing fields for Item Name, Item Group, Default Unit of Measure, and Item Child. A table lists item children with columns for quantity, unit cost, and total cost. The right sidebar contains various settings like Disabled, Allow Alternative Item, Maintain Stock, Has Variants, Valuation Rate, and Over Delivery/Receipt Allowance (%).

The browser console on the right shows several error messages. The first four errors are related to a failed GET request to `http://localhost:9000/socket.io/?EIO=4&transport=polling&t=P2c7W-c`, with the message `net::ERR_CONNECTION_REFUSED`. The fifth error is a `TypeError: Cannot read property 'get_data' of undefined` in `item.js:978`.

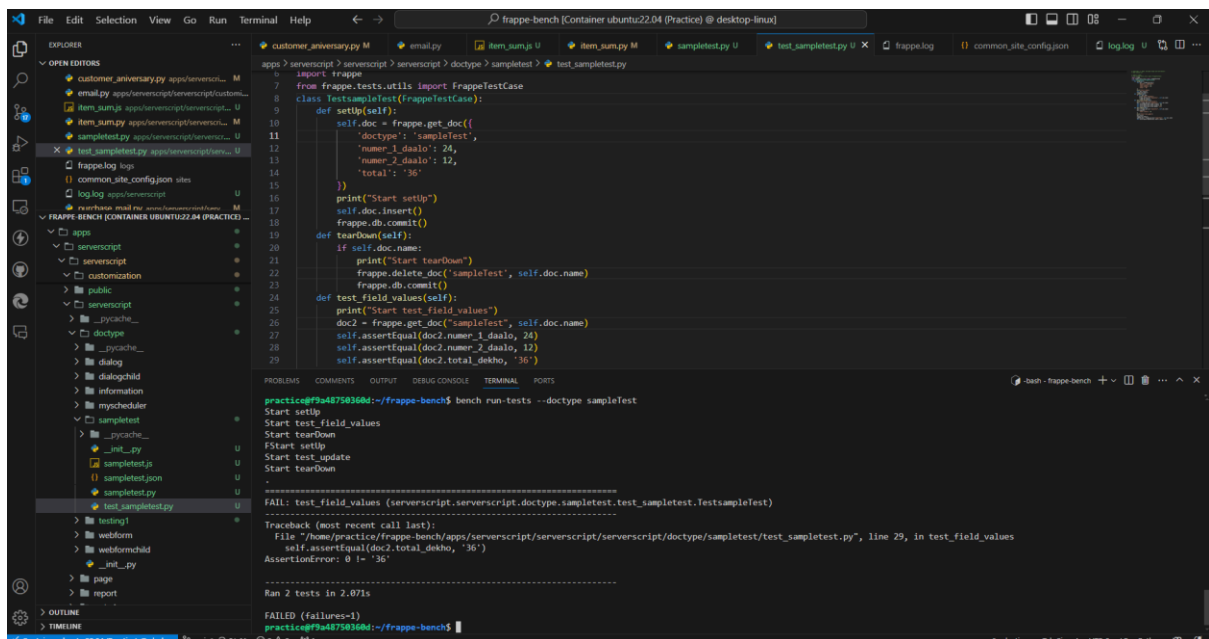
Python Bug Debugger

```
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 | 172.17.0.1 - - [15/Jul/2024 12:30:13] "POST /api/method/frappe.desk.form.save.savedoc
12:30:43 web.1 | s HTTP/1.1" 500 -
12:30:43 web.1 | * Detected change in '/home/practice/frappe-bench/apps/serverscript/serverscript/cus
12:30:43 web.1 | tomization/item_sum.py', reloading
12:30:44 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
12:31:37 web.1 | 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_
12:31:37 web.1 | 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/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)
```

sampleTest

[Go to sampleTest List](#) [Show Prev](#)

Form

Settings

Connections

No Label

Numer 1 daalo

Numer 2 daalo

Total dekho

Add field