PURCH Key Features

1. Order product
   1. List of products to order
      1. Order by location/product name/vendor
      2. Quantity to enter is int, measurement size is String, shows extension and conversion live
   2. Track each product price by vendor
   3. Register a vendor
   4. Register a house product
   5. Register a vendor product
   6. See order history - all, by vendor, by product (?)
   7. Edit a house/vendor product
   8. Create, save, edit order
   9. Order for lowest total cost amongst several vendors
   10. Order review page
   11. Submit order – email service
   12. View vendor/product/order details
2. Count and calculate inventory
   1. Inventory form page
   2. Register/View/Edit storage location
   3. Inventory history view
   4. Calculate inventory value(s)
   5. Create/Save/Edit inventory
   6. Submit inventory – email service
3. Measurement conversion service
   1. count or weight is primary measurement for each product
4. Check-in Orders
   1. Submit photo

PURCH Data Model

**User**

id, name, company, password, email, phone

**VendorProduct**

id, name, description, vendorId, vendorItemId, order measure, prices.list

**HouseProduct**

id, name, description, vendor.list, vendorItemId.list, order measure, lastPrice

**Vendor**

id, ourVendorId, name, address, phone, email, website, orderEmail, terms, contact.list, order.params

**VendorContact**

id, name, phone, email, vendorId

**User**

id, name, phone, email, address, userType

**HouseOrder**

list of HouseProducts and quantities

**VendorOrder**

list of VendorProducts and quantities

**VendorInvoice**

VendorInvoice item listing products, prices, weights and measures, date, Vendor id, VendorOrder id

**HouseInventory**

list of HouseProducts and quantities

**Measurements**

PURCH Layout and Routes

/items → HouseItems list

/items/:id → HouseItem detail -form

/vendors → Vendor list

/vendors/:id → Vendor detail – form

/vendors/item → VendorItem detail - form

/vendors/items → VendorItem list

/vendors/items/:id →VendorItem list by vendor ID

/vendors/orders/:id → VendorOrder list

/vendors/invoices → VendorInvoice list

/vendors/invoices/:id → VendorInvoice item - form

/contacts →VendorContact list

/contacts/:id → VendorContact item - form

/contacts/vendor/:id → VendorContact list by vendor

/order → HouseOrder item - form

/orders/:id → HouseOrder item (closed orders)

/orders → HouseOrder item list - form

/orders/storageArea → HouseItem list - form

/orders/invoice/:id → VendorInvoice item - form

/inventory → HouseInventory item list

/inventory/:id → HouseInventory item/HouseItem list - form

/inventory/storageArea → HouseItem list - form