

Challenge: import into GNU Health (GH) with GH-functionality from a list with 110 entries for the laboratory with structure like:

S/N	SERVICES / TESTS	CODE	Bench / Unit	Price
1	ANC (Micro)	ANC	General	N2,100
2	Urine MCS (Adult)	URC	Urine bench	N1,100
3	Urine MCS (Children)	URC	Urine bench	N600
4	Urine Analysis (Adult)	URA	Parasitology	N400

1. identify corresponding fields in GNU Health:

1.1 use GH 3.8 from federation.gnuhealth.org with client from <https://downloads.tryton.org/5.0/tryton-5.0.37.exe>

1.2 use documentation from

[https://en.wikibooks.org/wiki/GNU\\_Health/Products\\_and\\_Services\\_Management](https://en.wikibooks.org/wiki/GNU_Health/Products_and_Services_Management)

1.3 search for Product/Products in GH ==> there are 406 products with 3 different Types:

373 Goods (like Medicaments) and 33 Service (like Urine Analysis Charges). There is no entry with Type Asset in the demo database.

Name	List Price	Cost Price	Type	Account Category	Default UOM	Purchasable
310	100.0000	100.0000	Goods		Unit	<input type="checkbox"/>
abacavir (ABC)	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
acetazolamide	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
acetic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
acetylcysteine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
acetylsalicylic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
aciclovir	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
albendazole	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
allopurinol	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amidotrizoate	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amikacin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amiloride	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amiodarone	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amitriptyline	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amlodipine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amodiaquine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amoxicillin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
Amoxicillin 125mg/5ml oral liquid	1.0000	0.5000	Goods	Medicaments / WHO essential Medicines	mL	<input checked="" type="checkbox"/>
Amoxicillin 500mg capsules	3.0000	0.5000	Goods	Medicaments / WHO essential Medicines	Capsules	<input checked="" type="checkbox"/>
amoxicillin + clavulanic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amphotericin B	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
Ampicillin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
anti-D immunoglobulin (human)	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
antitetanus immunoglobulin (human)	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
antivenom immunoglobulin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artemether	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artemether + lumefantrine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artesunate	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artesunate + amodiaquine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
ascorbic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
asparaginase	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atazanavir	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atracurium	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atropine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input checked="" type="checkbox"/>
azathioprine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
azithromycin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
BACTEC Culture Analysis Charges	1.0000	0.0000	Service	Lab Services	Unit	<input type="checkbox"/>
barium sulfate	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
BCG vaccine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
berlmetasone	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>

1.4 we see that there are fields of: Name, List price, cost price, Type, Account Category, Default UOM, and Purchasable

2. make a csv file:

2.1 S/N: there is no corresponding field, so we have to ignore it.

2.2 SERVICES / TESTS: we will use the GH-field Name for this

2.3 CODE: there is no corresponding field, so we have to ignore it for the moment (we will use it later in Variants).

2.4 Bench / Unit: we want to put it into Account Category

2.5 Price: we will use this for List price and for Cost price. We have to change the format from e.g. N2,100 to 2,100.0000

2.6 TYPE: we need to assign to each product a type (Assets, Goods, Services). We will assign only Services

3. we make a csv-file with:

Name,Account Category,List Price,Cost Price, Type

ANC (Micro),General,2100.0000,2100.0000,Services

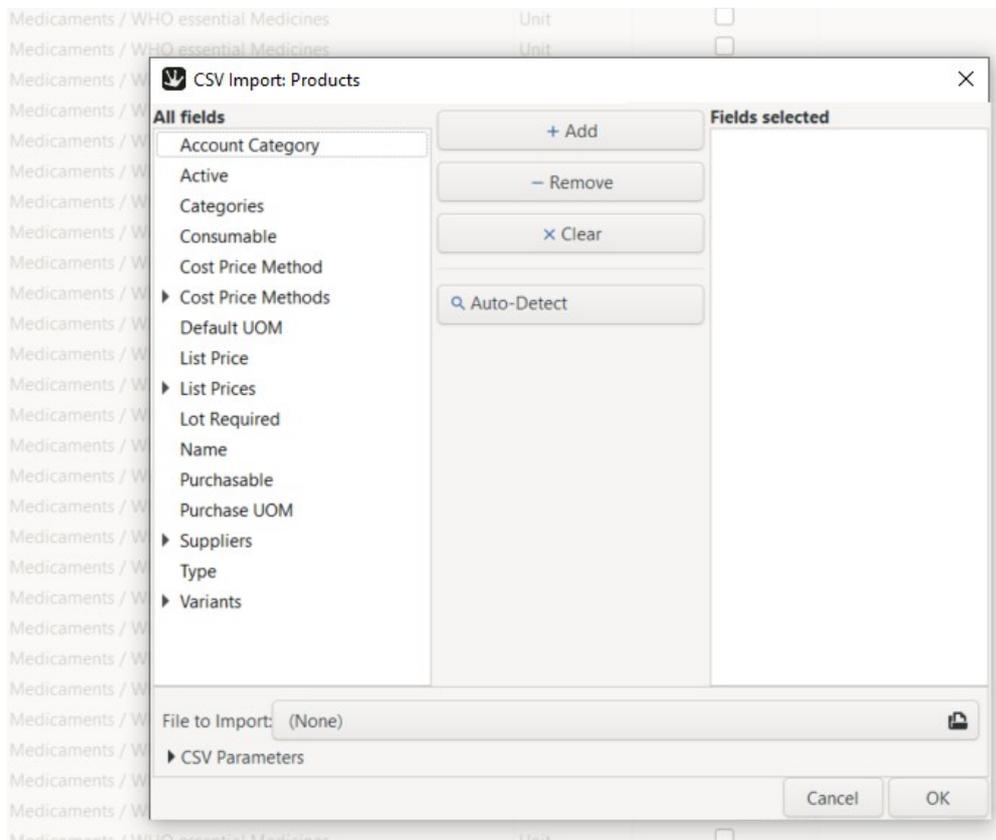
Urine MCS (Adult),Urine bench,1100.0000,1100.0000,Services

Urine MCS (Children),Urine bench,600.0000,600.0000,Services

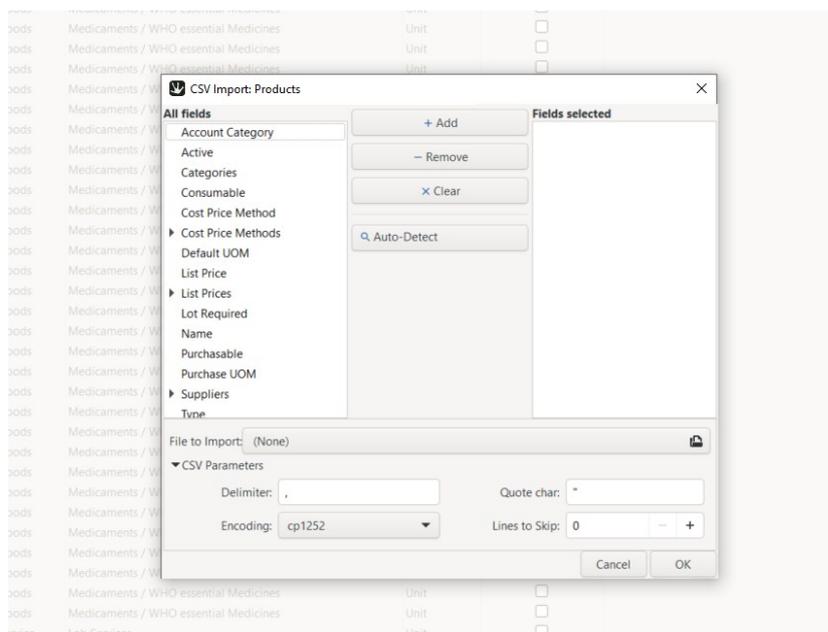
4. we use the import function (triangle – drop down at Products: Import data):

The screenshot shows the Tryton Administrator interface for GNU SOLIDARIO HOSPITAL [EUR]. The main window displays a list of products with columns for Name, List Price, Cost Price, Type, Account Category, Default UOM, and Purchasable. A context menu is open over the 'Products' header, with 'Import Data...' selected. The product list includes various medical supplies and services, such as Amoxicillin 500mg capsules, ampicillin, and BACTEC Culture Analysis Charges.

Name	List Price	Cost Price	Type	Account Category	Default UOM	Purchasable
ANC (Micro)	2100.0000	2100.0000	Services	General	Unit	<input type="checkbox"/>
Urine MCS (Adult)	1100.0000	1100.0000	Services	Urine bench	Unit	<input type="checkbox"/>
Urine MCS (Children)	600.0000	600.0000	Services	Urine bench	Unit	<input type="checkbox"/>
Amoxicillin 500mg capsules	3.0000	0.5000	Goods	Medicaments / WHO essential Medicines	Capsules	<input checked="" type="checkbox"/>
ampicillin + clavulanic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
amphotericin B	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
Ampicillin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
anti-D immunoglobulin (human)	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
antitetanus immunoglobulin (human)	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
antivenom immunoglobulin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artemether	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artemether + lumefantrine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artesunate	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
artesunate + amodiaquine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
ascorbic acid	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
asparaginase	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atazanavir	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atracurium	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
atropine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input checked="" type="checkbox"/>
azathioprine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
azithromycin	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
BACTEC Culture Analysis Charges	1.0000	0.0000	Service	Lab Services	Unit	<input type="checkbox"/>
barium sulfate	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
BCG vaccine	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>
berclometasone	0.0000	0.0000	Goods	Medicaments / WHO essential Medicines	Unit	<input type="checkbox"/>

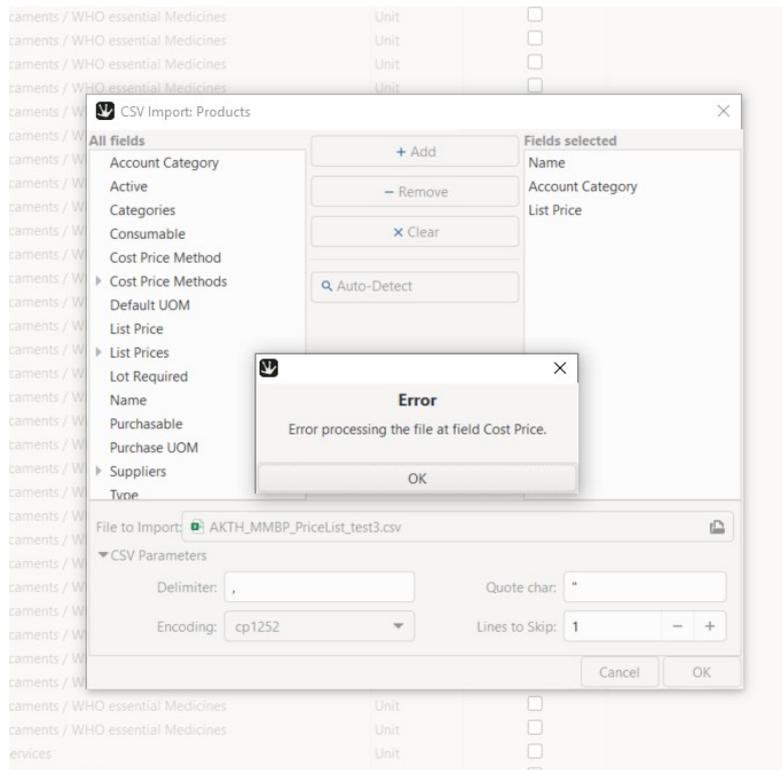


File to import: your csv-file  
 csv-parameters:  
 delimiter: ,  
 encoding: cp-1252  
 quote char: “  
 Lines to skip: 0



When we try to import, an error occurs:

Error processing the file at field Cost Price



4. we change our csv-file with deleting Cost Price:

4.1 change

Name,Account Category,List Price,Type

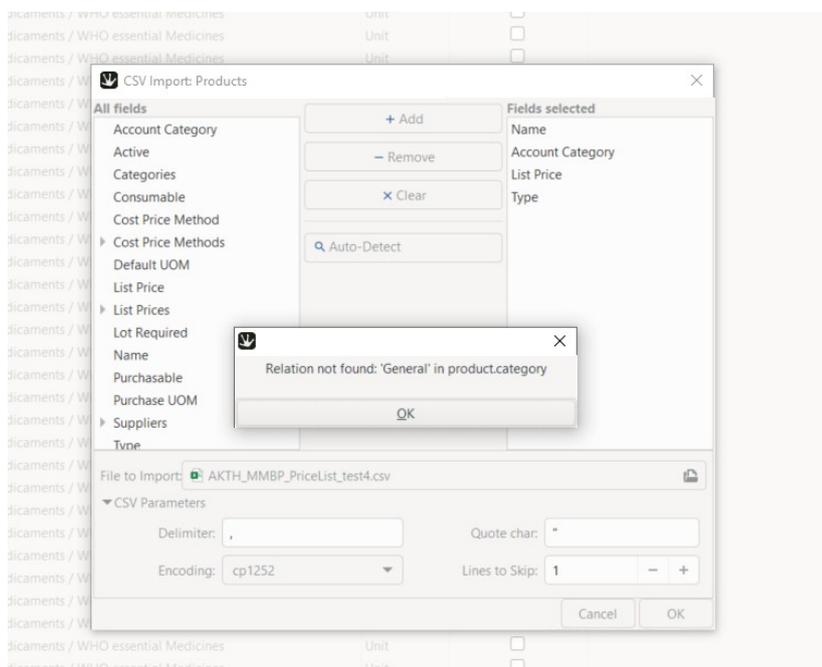
ANC (Micro),General,2100.0000,Services

Urine MCS (Adult),Urine bench,1100.0000,Services

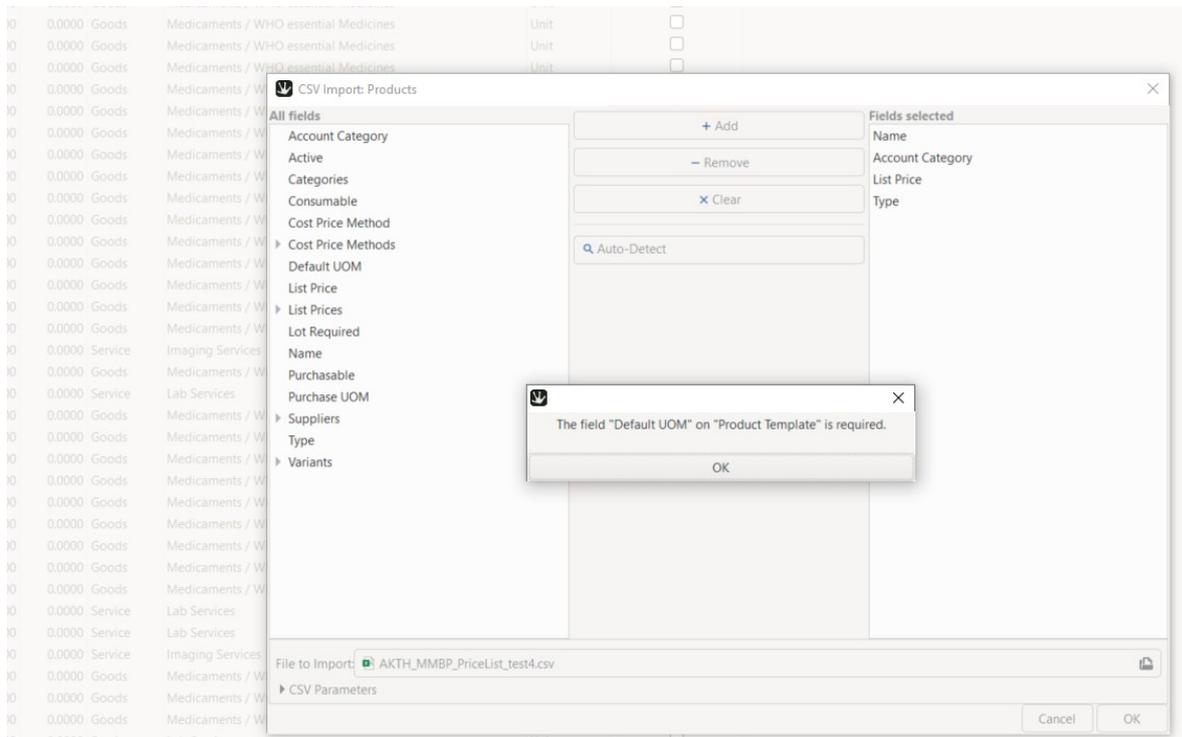
Urine MCS (Children),Urine bench,600.0000,Services

4.2 import again (choose file, click Auto-detect, then OK)

4.3: Error: Relation not found: 'General' in product.category



4.4 In our csv-file there are 12 Bench / Unit. For our test we will just create in Product/Categories/Categories „General“ (tick Accounting) and „Urine bench“ (tick Accounting).  
 4.5 Run import again

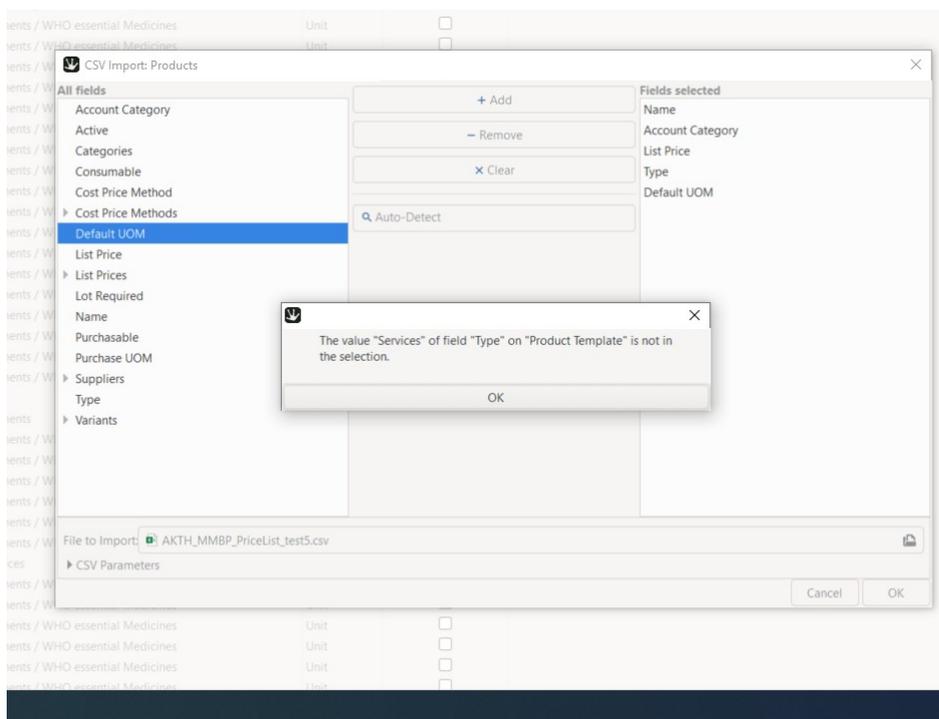


4.6: the field „Default UOM“ on „Product Template“ is required.

5. Change csv-file: add Default UOM with Unit  
 Name,Account Category,List Price,Type,Default UOM  
 ANC (Micro),General,2100.0000,Services,Unit  
 Urine MCS (Adult),Urine bench,1100.0000,Services,Unit  
 Urine MCS (Children),Urine bench,600.0000,Services,Unit

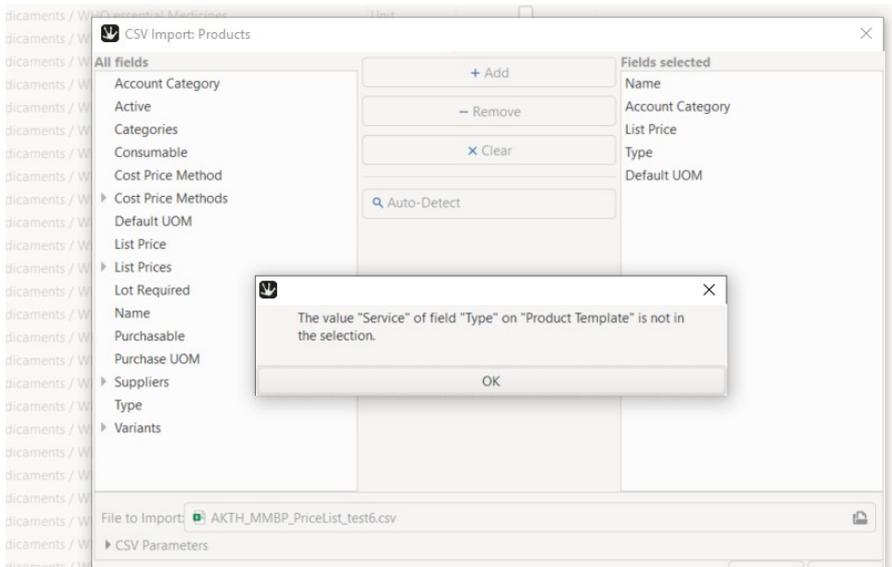
5.1 Run import

5.2 error: the value „Services“ on Field „Type“ on Product Template is not in the selection

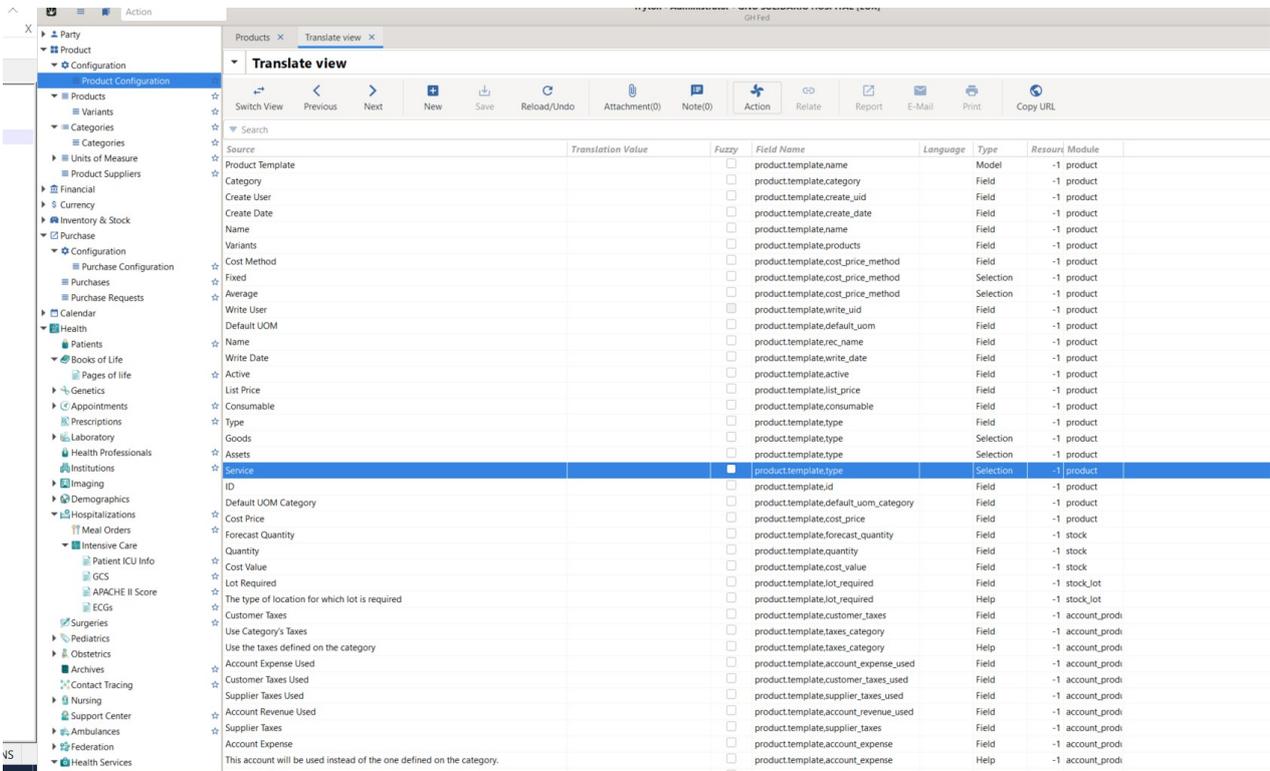


### 5.3 change Services to Service in csv-file, run import

### 5.4 error: the value „Service“ on Field „Type“ on Product Template is not in the selection



### 5.5 now I do not know what to do. If I go to Action – Translate view there is the field Type and also Service



But what now???

### 5.6