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About this project

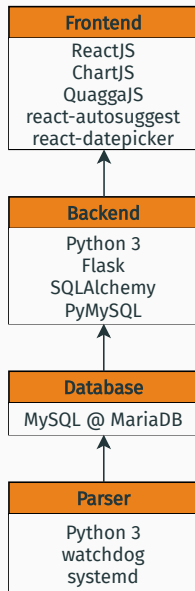


- Create a software toolkit
- Build a cross-platform Web-app
 - Allow for scanning PLUs
 - Retrieve information on sales of the product

Modules

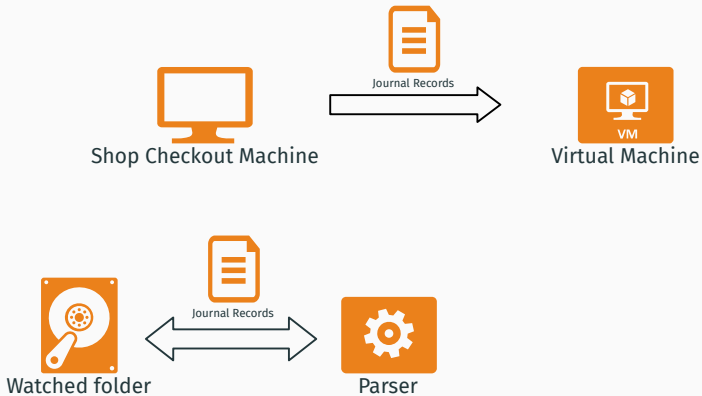
- Frontend: Web App
- Barcode Scanner
- Backend
- Database
- Parser

Module Connection

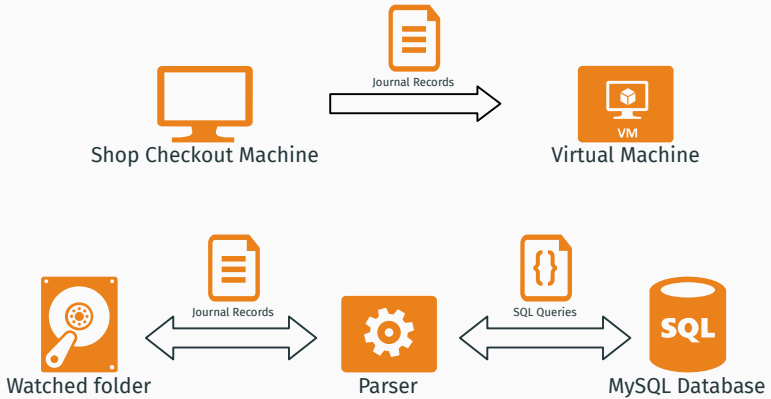




Parser



Parser



Parser

```
===  
Journal Record: #0/7 / 2017-08-31 15:02:10  
Cashier      : #1 / VERKOPER 1  
Record Type  : Sale  
---  
---  
* PLU # 320  
  SPERZIEBONEN  
  0,19 x 2,78  
  Discount: 0,00 Total:0,52  
* PLU # 404  
  KOMKOMMER  
  1,00 x 0,59  
  Discount: 0,00 Total:0,59  
* PLU # 8715459224670  
  SLA  
  1,00 x 0,99  
  Discount: 0,00 Total:0,99  
* CashPayment  
  Text: KONTANT  
  IsChange: False  
  Amount: 2,1  
  DrawerAmount: 2,1  
  Number: 1  
  DrawerId: drawers/default  
  DrawerNumber: 1  
  IsCancelable: True  
===
```


Parser

```
===
Journal Record: #0/7 / 2017-08-31 15:02:10 1
Cashier      : #1 / VERKOPER 1
Record Type  : Sale                          2
---
---
* PLU # 320                                  3
  SPERZIEBONEN                              4
  0,19 x 2,78                               5
  Discount: 0,00 Total:0,52                 6
* PLU # 404                                  7
  KOMKOMMER                                8
  1,00 x 0,59                               9
  Discount: 0,00 Total:0,59                10
* PLU # 8715459224670                       11
  SLA                                       12
  1,00 x 0,99                               13
  Discount: 0,00 Total:0,99                14
* CashPayment                               15
  Text: KONTANT                             16
  IsChange: False                           17
  Amount: 2,1                               18
  DrawerAmount: 2,1                         19
  Number: 1                                 20
  DrawerId: drawers/default                 21
  DrawerNumber: 1
  IsCancelable: True

{'journal_record_cashier': '#1 / VERKOPER
1',
'journal_record_date': '2017-08-31 15:02:
10',
'journal_record_no': '#0/7',
'journal_record_products': [
{'product_amount': '0,19 ',
'product_canceled': False,
'product_discount': '0,00',
'product_name': 'SPERZIEBONEN',
'product_plu': '320',
'product_price': ' 2,78',
'product_total': '0,52'},
...
{'cash_payment_amount': '2,1',
'cash_payment_cancelable': 'True',
'cash_payment_drawer_amount': '2,1',
'cash_payment_drawer_id': 'drawers/
default',
'cash_payment_drawer_number': '1',
'cash_payment_is_change': 'False',
'cash_payment_number': '1',
'cash_payment_text': 'KONTANT'}],
'journal_record_type': 'Sale'}
```





[● ◀] systemd



[● ◀] systemd



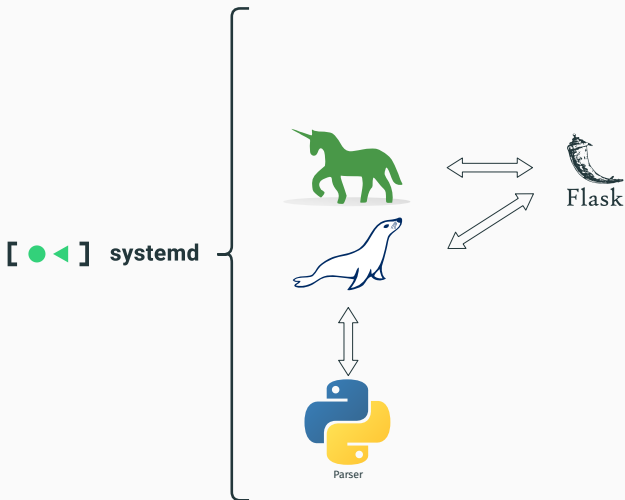


[● ◀] systemd

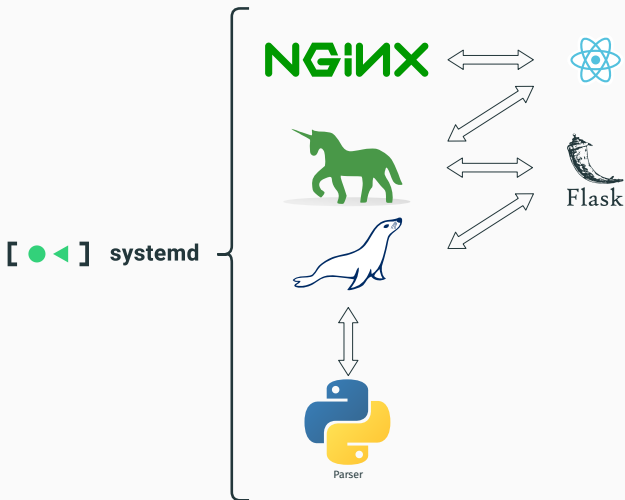


Parser

Deployment



Deployment



- Barcode scanner demo
- Koppilverkoop (*Paired purchases*) demo

Problems encountered

- Frameworks

Problems encountered

- Frameworks
- Team meetings

Problems encountered

- Frameworks
- Team meetings
- COVID-19

Questions?



Standaard Product Info

Uitgebreide Product Info

Transactie Informatie