



***VTRx***

*Pharmaceutical Point of Sale*

Jessica Orefice

Walter Newsome

Runtong Wang



Our Pharmaceutical Point of Sale provides smaller companies with a convenient patient and drug management



- Eliminates the use of manual record keeping
- Portable, easy to use, and efficient



- Allows smaller companies with a way to compete with larger companies

Jessica

**Introduction**

Requirements

Architecture

Our Experience

Demo



# VTRx offers an array of features for customers to use in their everyday workflow



## Processes sales transactions

- Calculates total from the drugs in cart



## Manages patient information

- Allows user to edit and create a patient



## Manages drug inventory

- Allows user to update and create a drug



## Generates Reports

- Calculates the top 5 drugs of the month
- Creates monthly reports based on profits and costs

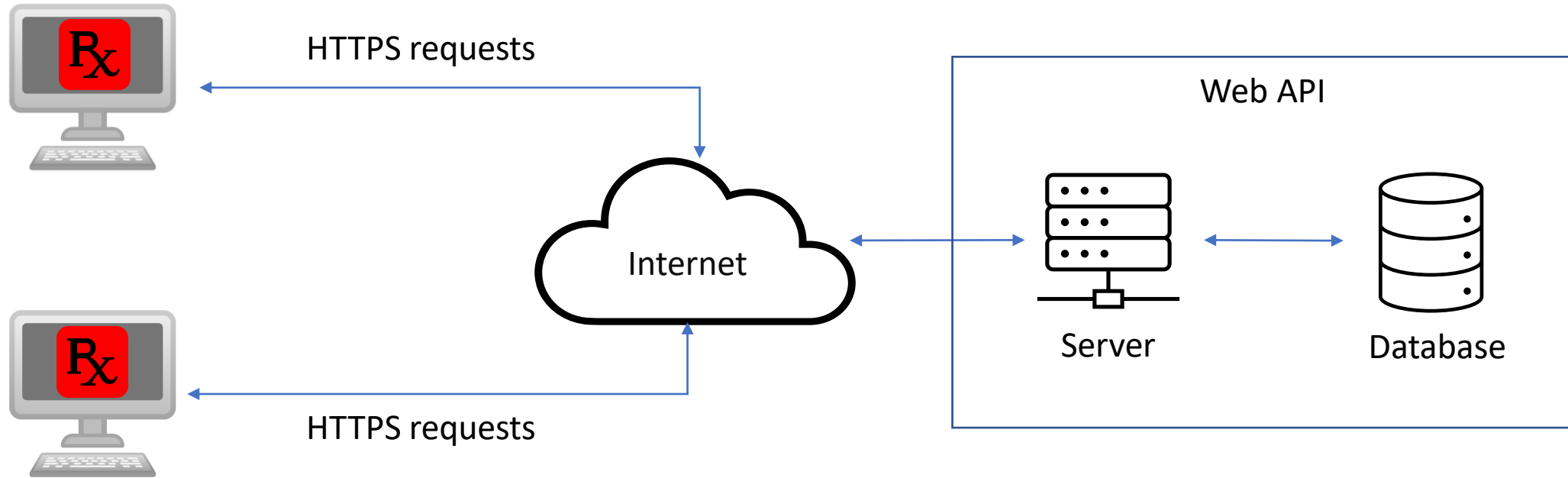


## Remote inventory lookup

- Searches for drugs in other stores



A system that allows the customer to lookup other branches' data

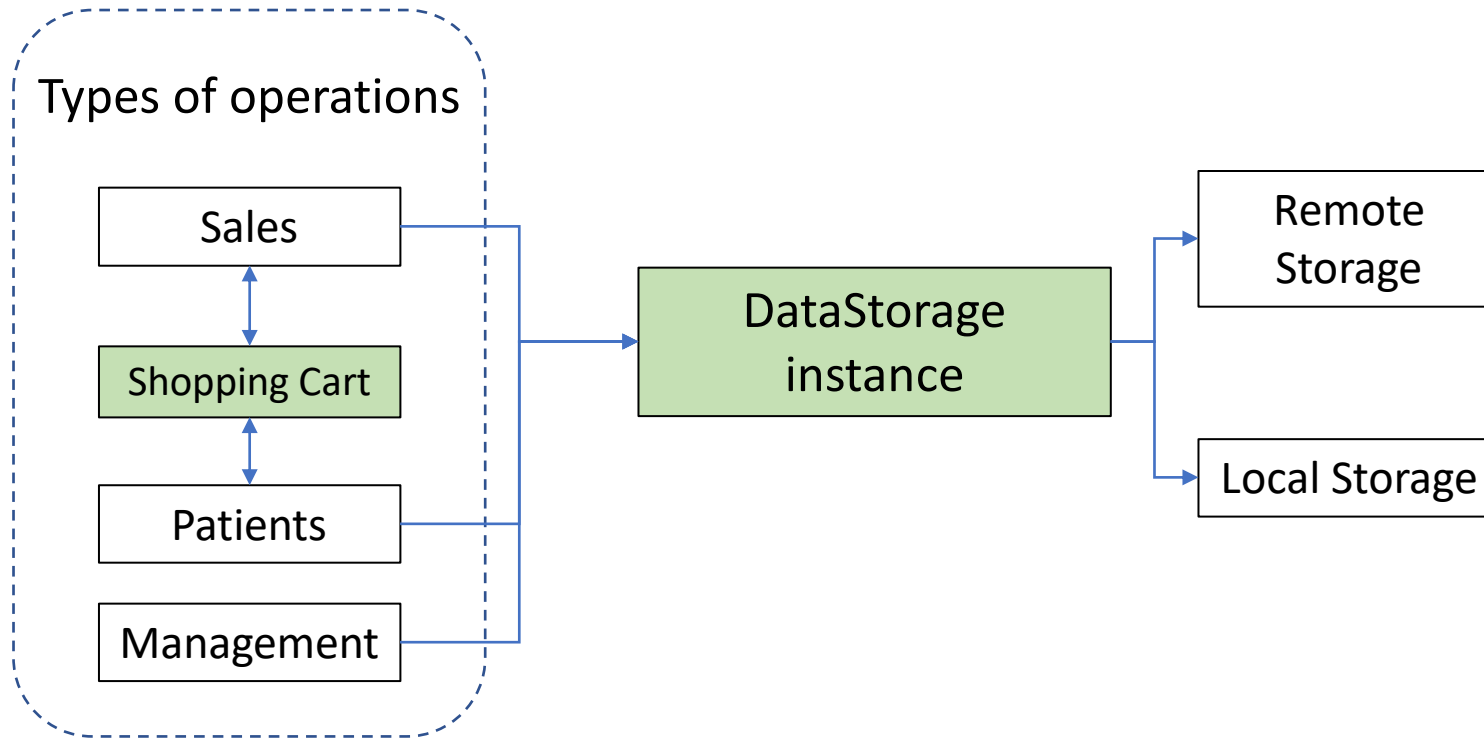


Remote access to patients' personal information and prescription history.

Remote inventory lookup



# A single data storage and shopping cart interface simplified the developing process



DataStorage
<ul style="list-style-type: none"><li>- storeId: int</li><li>- store_address: address_t</li><li>⋮</li></ul>
<ul style="list-style-type: none"><li>- manager: QNetworkAccessManager;</li><li>- hostAPI: QString</li></ul>
<ul style="list-style-type: none"><li>+ search_one_drug(string name): drug_t</li><li>+ add_inventory(drug_t drug, uint16_t n): bool</li><li>⋮</li></ul>
<ul style="list-style-type: none"><li>+ update_patient(patient_t patient): bool</li><li>+ get_store_name(): QString</li></ul>



# We believe our scrum meetings allowed us to have a nearly real industry experience

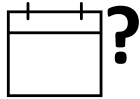
## Always



30 – 45 mins on average



What did you each achieve since our last meeting?



What do you have planned to complete for our next meeting?



Are there any things blocking from doing your tasks?

## Sometimes



Review each other's code changes



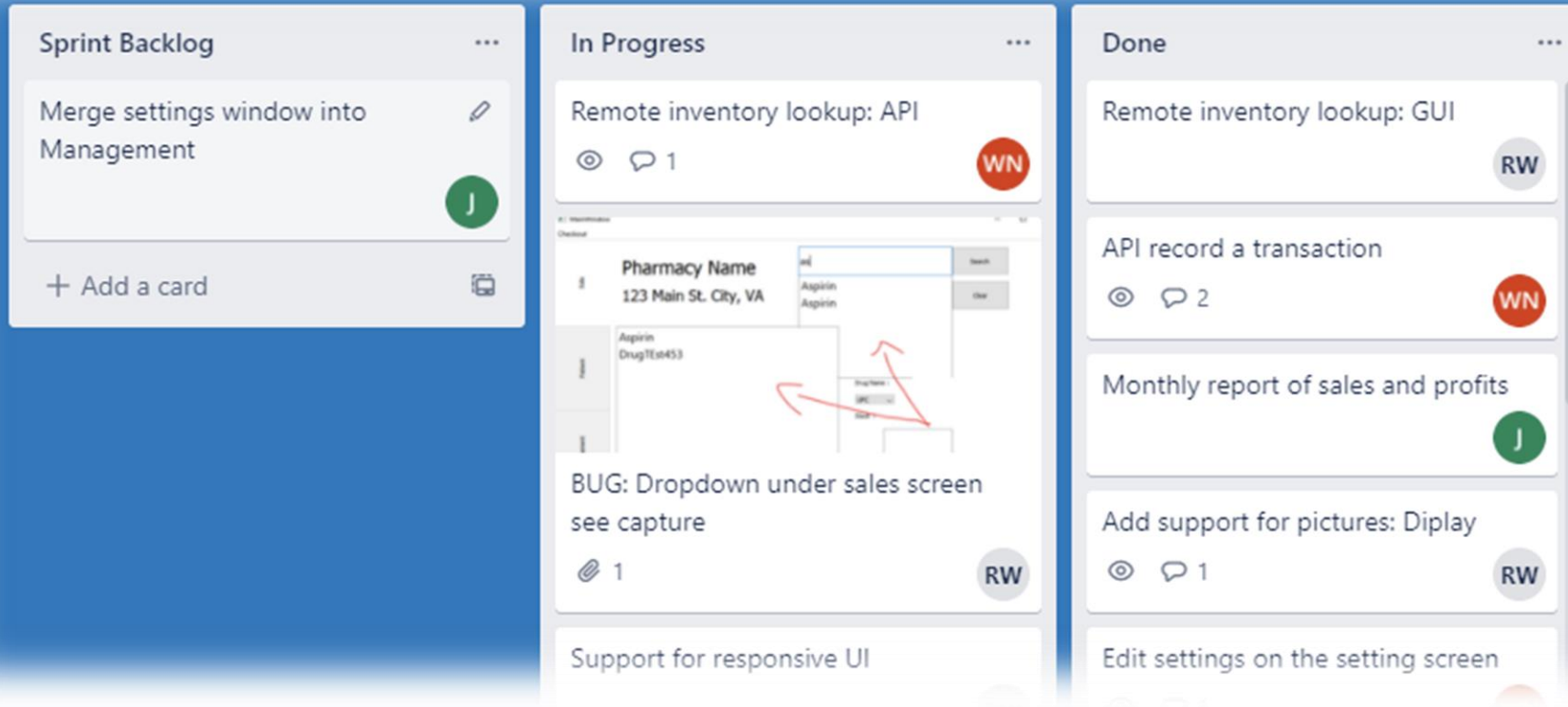
Pair programming



Helped each other to solve bugs



# The use of a live sprint board facilitated our project development process



Live updates

Identify dependency of some tasks

Keep track of what needs to get done

Report bugs

Stay on schedule

Walter

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The program has three main screens for quicker access

checkout

Search Clear

Num	Name	DOB	SSN	Phone
1	William	1981/1/12	*****5678	504123
2	Alex	1995/4/23	*****2347	540897
3	James	1997/11/...	*****4789	540444
4	Willy	1997/11/...	*****4789	540444
5	Runtong	1999/8/25	*****6789	540123
6	abcde	101/201/0	*****9123	123456
7	William ...	65535/25...	*****5678	504123

Name: Runtong Wang  
ID: 8  
Phone number: 5401234567  
SSN: 123456789  
DOB: 1999/8/25  
Address: 920 Somewhere street  
BlacksBurg, VA, 24060

Prescription:

1	1	Aspirin	1
2	2	Methylphenid...	16

Add New Prescription CheckOut

checkout

Search Clear

Bhocchos  
517 Davis street  
Radford, VA, 24140

Drug Name :  
UPC  
Stock :

Albuterol  
305913797833  
0

Quantity : 1

Aspirin  
Albuterol  
Dextroamphetamine  
Atorvastatin  
Levothyroxine  
Lisinopril  
Metformin  
Methylphenidate Hydrochloride  
Lisdexamfetamine  
Losartan  
Sodium Oxybate  
Methylphenidate

PROPR-HA  
SHAKE WELL BEFORE USE

Runtong

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The management screen can update settings, get reports, and make changes to the inventory.

VI RX  
checkout

**Management**

Edit Drug Information

Insert name:  Search for drug Add new drug Search other stores

Num	Brand	Name	Inventory	Price
1	Aspirin	Bayer	15	0.000000
2	Albuterol	Accuneb	0	45.000000
3	Dextroa...	Zenzedi	0	2.000000
4	Atorvast...	Lipitor	0	40.050000
5	Levothy...	Levothroid	0	0.000000
6	Lisinopril	Prinivil	0	15.000000
7	Metformin	Fortamet	0	7.000000
8	Methylph...	Concerta	0	290.0000...
9	Lisdexam...	Vyvanse	0	408.0000...
10	Losartan	Cozaar	0	12.000000
11	Sodium ...	Xyrem	0	5798.000...
12	Methylph...	Ritalin	0	92.000000

Drug name

Brand

Inventory

Cost

Price

Control Status

UPC

DEA

GPI

NDC

Update Image Update

Reports

Generate Reports

Settings

Update Settings



Questions?