

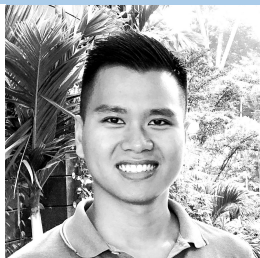


EXPRESS SCRIPTS®



**CORNELL
TECH**

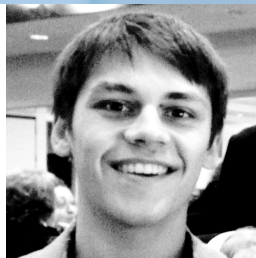
Team ZATAM



Zwee Dao
ECE



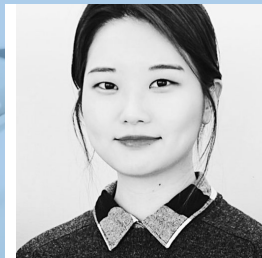
Ananya Shivaditya
CS



Terrill Jones
ORIE

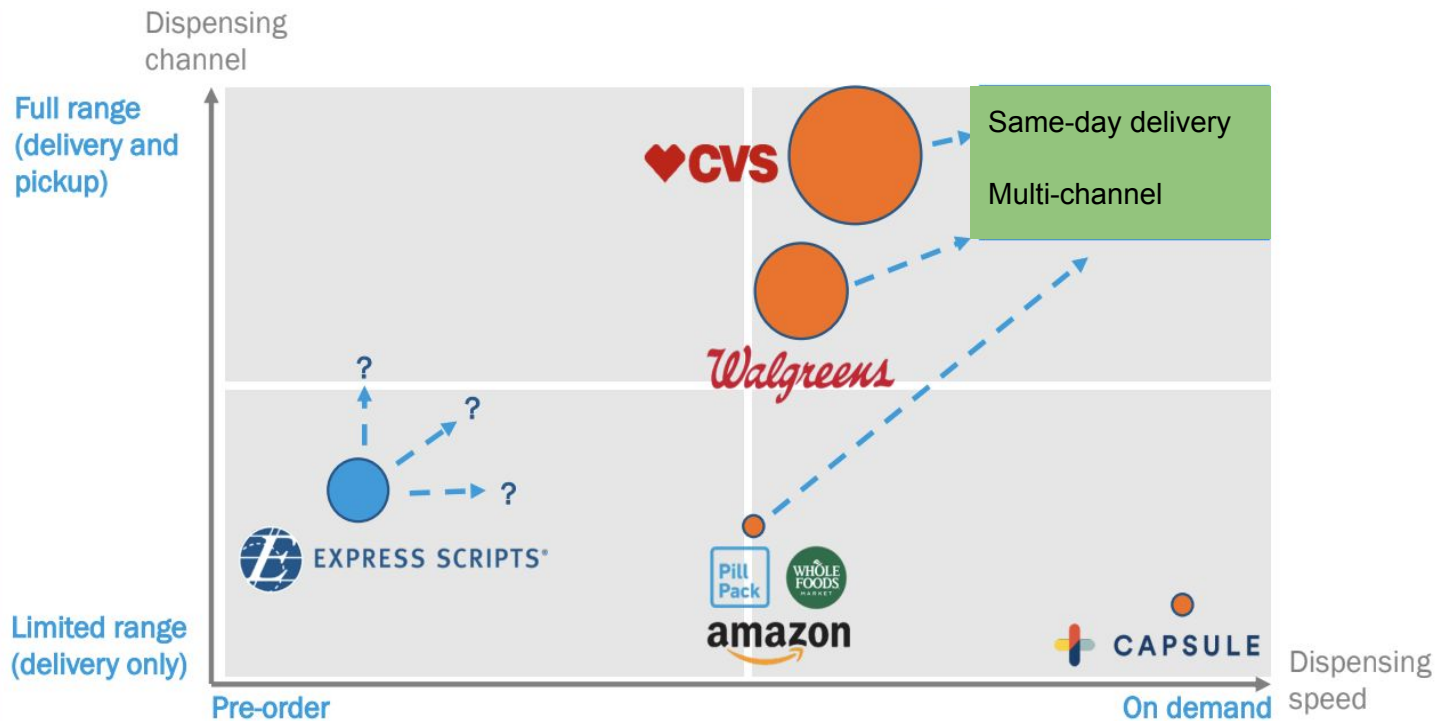


Avnish Kumar
CS

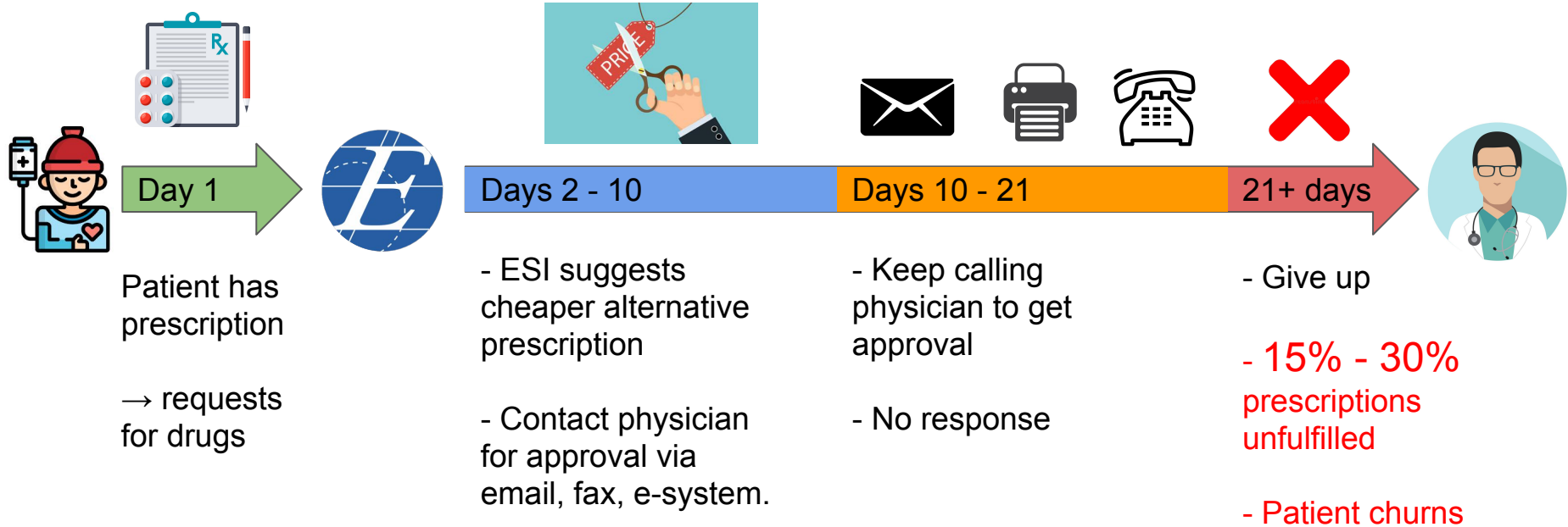


Maddie Lee
Design

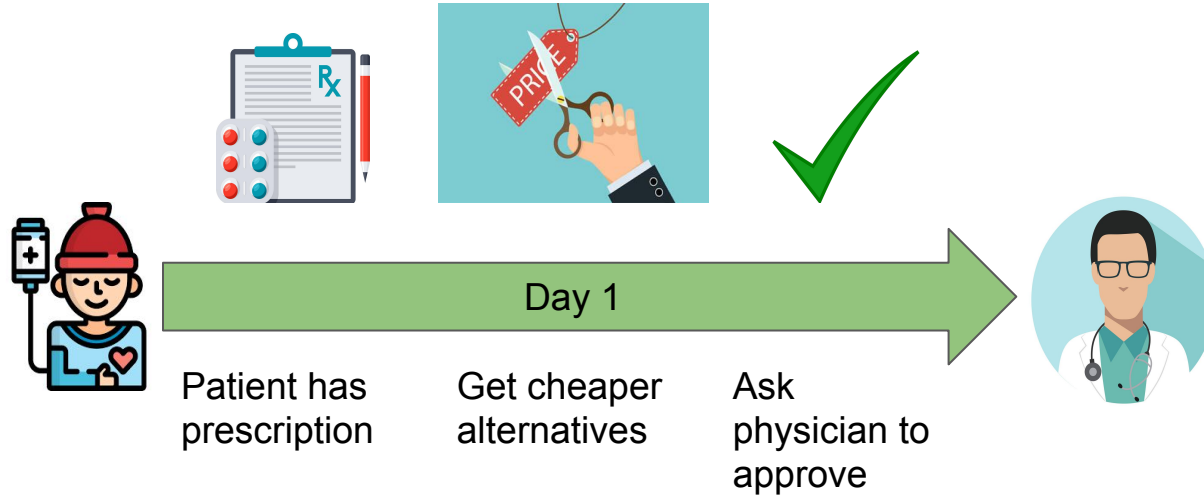
Pharmacy Trend: Fast & On-demand



Express Scripts' Problem: Slow Prescription Approval



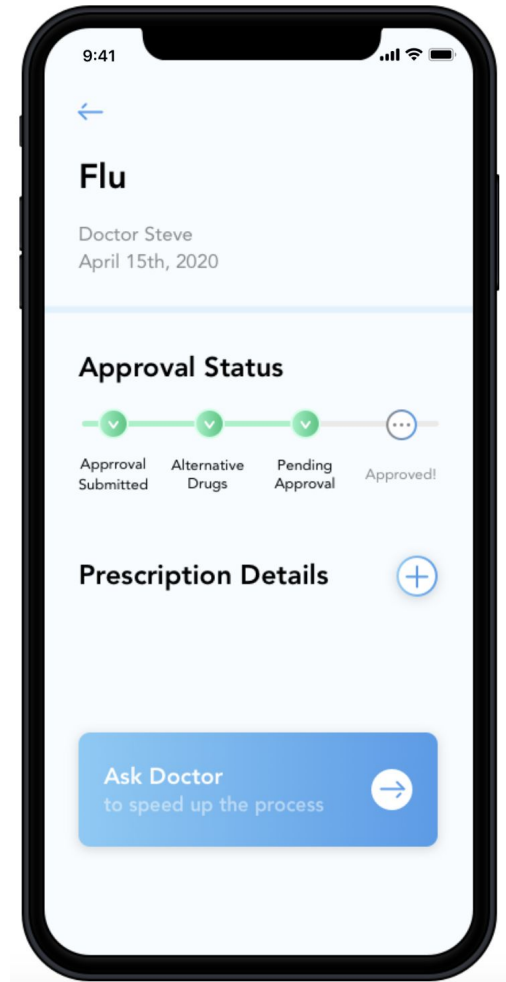
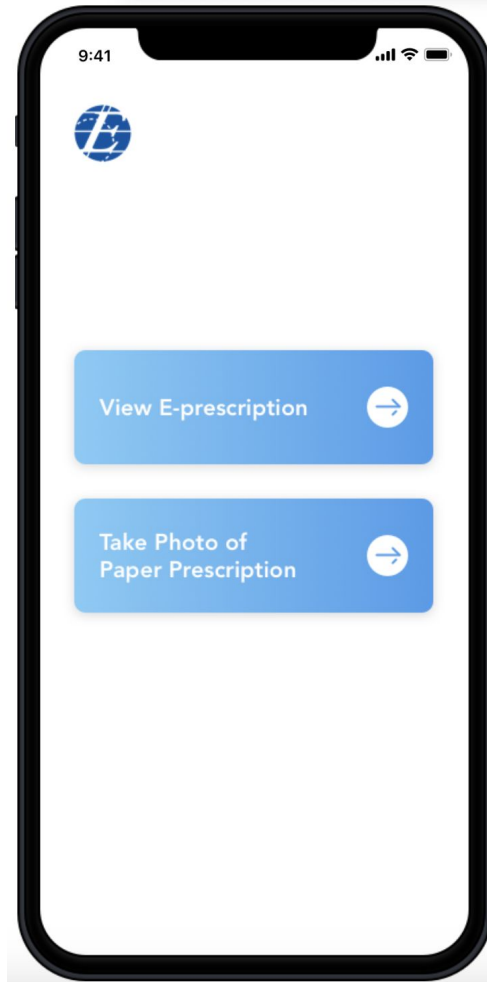
Solution: Power to Patients




AutoMed

Demo: <https://invis.io/JDX0J0SR9ZQ>

1. Transparent approval process
2. Find cheaper drug alternatives
3. Ask doctor to speedup



Physician's approval page

 Patient
John Smith

Doctor's Office
Medical Centre

Recommendations

<ul style="list-style-type: none">Betaloc 100 mg	\$ 6
<ul style="list-style-type: none">Dorzolamidum A 100 mg	\$ 20
<ul style="list-style-type: none">Dorzolamidum B 100 mg	\$ 10
<ul style="list-style-type: none">Cinetidine 100 mg	\$ 4
<ul style="list-style-type: none">Oxprelol 50 mg	\$ 5

Add Comment

Edit

Old Rx. \$ 35

Saved Amounts \$ 10

New Rx. \$ 25

Approve →

Backend: OCR, Drug Detection & Recommendation

Demo: <http://3.135.220.237:5000>

DEA# GB 05455616 LIC # 976269

MEDICAL CENTRE
824 14th Street
New York, NY 91743, USA

NAME John Smith AGE 34
ADDRESS 162 Example St, NY DATE 09-11-12

R_X

Betaloc 100mg - 1 tab BID
Dorzolamidum 10 mg - 1 tab BID
Cimetidine 50 mg - 2 tabs TID
Oxprelol 50mg - 1 tab QD

Dr. Steve Johnson
signature

☐ LABEL
REFILL 0 1 2 3 4 5 PRN

WTX-N-PRESC-T
1-800-432-0700



ASPIRIN has 5 alternatives:

Rank	Alternate	Price
1	vicoprin	1
2	mepro-aspirin	1
3	propoxyphene hydrochloride w/ aspirin and caffeine	1
4	darvon w/ asa	1
5	excedrin (migraine)	2

VALIUM has 1 alternative:

Rank	Alternate	Price
1	valium	3

Market size: Reclaim the lost customers

30%

orders from new Patients switching from retails (e.g CVS)

15%

orders from returning Patients renewing prescriptions

50M

prescriptions

20B

annual revenue

Validation & feedbacks

- **Verified physician's problem:** too many incoming messages from pharmacy, can't prioritize
- **Verified user flow:** Different flows for e-prescription vs paper prescription



Next steps

- Combine 3 backend components flawlessly:
 - OCR
 - Drug detection ML model
 - Drug recommendation



The background of the slide is a blurred photograph of three small, clear plastic medicine bottles with white caps, arranged in a row. In front of the bottles, a silver spoon is filled with several white, round pills. The entire scene is set against a light blue background, which is slightly out of focus.

Any Question?