

I'm not a robot!

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PART I: MEDICATION INFORMATION (15 points)

MEDICATION NAME	REASON FOR USE by this CLIENT	COMMON CLASS (If none, indicate MAJOR CLASS)	DOSAGE WITHIN RANGE?	ADVERSE EFFECTS	SPECIAL CONSIDERATIONS (for this specific CLIENT)
Generic name: ceftazidime Trade name: Rocephin	Lower respiratory tract infection (pneumonia)	Antibiotic (Third-generation cephalosporin)	Dosage: 1 g I.V. qday Normal range: 1-2 g I.V. daily <i>Yes, within normal range</i>	Hematologic: leukopenia; GI: pseudomembranous colitis	Administration: -Total daily dose should not exceed 4 g. -Treat between 4 to 14 days. -Before giving drug, ensure patient is not allergic to penicillins or cephalosporins. -Follow IV administration directions (i.e., drug reconstitution, dilution). Patient teaching: -Instruct patient to report any discomfort at the I.V. insertion site. Nursing Consideration: -Monitor for any signs and symptoms of superinfection.

Use Case Example

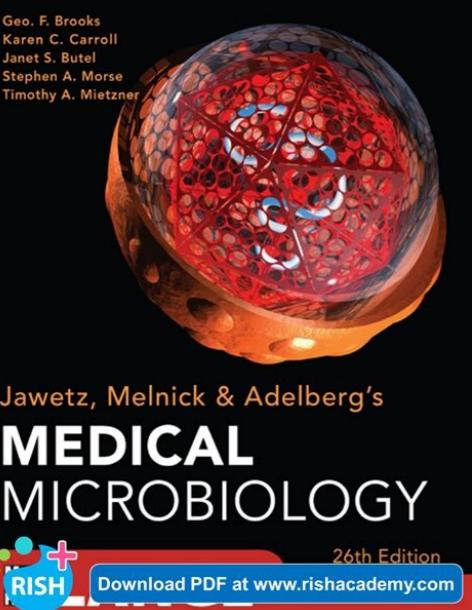
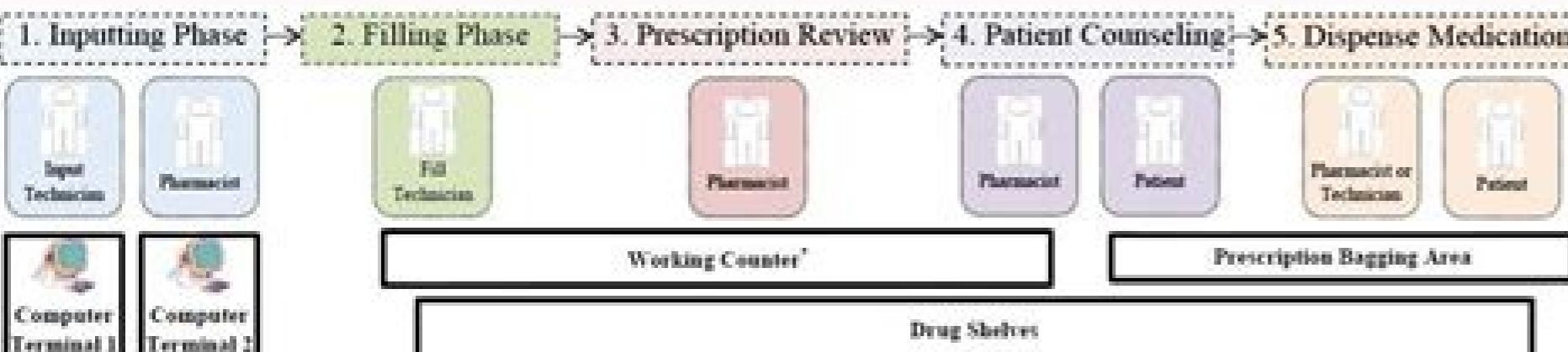
Usage Narrative -- An Example
A company has been asked to work as a business or systems analyst on a new system to track pharmacy functions in a hospital. They have been asked to write a use case to construct a usage narrative to begin the analysis process.
On the next slide is an example of what you might produce.

Medication Related Problems

Too much of the correct drug

- Patient is using excessive doses of **Salmeterol** & **fluticasone** as treatment for asthma exacerbations (at times when she can afford them).

- FLUTICASONE
- SALMETEROL
- NAPROXEN
- ASPIRIN
- ROSIGLITAZONE
- FUROSEMIDE
- DILTIAZEM
- LANOXIN
- POTASSIUM CHLORIDE
- FLUVASTATIN
- INSULIN
- NITROGLYCERIN
- FUROSEMIDE
- ALBUTEROL
- PREDISOLONE



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Acquisitions are nothing new to the IT folks at Koch Industries. The Wichita, Kan.-based Koch?pronounced the same as coke?has been through the process of merging systems again and again, and today it runs dozens of subsidiaries worldwide. On the subsidiary level, however, not all Koch executives are well versed in the rigors of acquisitions. In 1998, Koch Membrane Systems based in Wilmington, Mass., bought out Fluid Systems in San Diego. With the acquisition, the business vision was to integrate the two organizations, standardizing on processes and systems. says Lloyd Boyd, director of information technology at Koch Chemical Technology Group. Executives at Koch Membrane were on Boyd and other IT leaders in their immediate business unit?Koch Chemical Technology Group?to handle the integration. Boyd and other executives of the business unit had successfully measured the value of integrations before, touting a proprietary, economics-based philosophy known as market-based management that combines more than 50 economic models and drives a two-pronged cost-benefit analysis process. Boyd applied that cost-benefit analysis to Koch Membrane, resulting in a new ERP system from Wilmington, Mass.-based vendor Visibility, increased efficiency and a net cost savings of approximately \$430,000. Before Koch Membrane got a new ERP system, Boyd and Project Manager Dan Murphy had to estimate alternatives and prove that opting for an ERP system would offer better than signing on with an ASP or selecting comparable client/server technology. They did that with methodology that incorporates research-based estimates and risk assignment of risk. The CostThe first cost Boyd tackled was the software, which he estimated at a per-user fee of \$1,000. Koch Membrane had roughly 240 users, but factoring in staff and medicine, Boyd figured he would need to account for more than 80 users at a time. In all options, Boyd knew Koch would need to upgrade at a cost of \$300 per user per year. In the software cost search for the ASP option, Boyd contacted colleagues and worked out a determined fee of \$100 per user per month, or \$3,600 per year. For 80 users, it would be \$200,000 to \$280,000. He then multiplied these numbers for a 1.15 risk factor to explain his own inexperience with customer/server technology for a variety of \$230,000 to \$322,000. Boyd represented the annual maintenance costs, holding a standard rate of 10% to the lower value (\$20,000) and a range of 18 percent to the higher (\$50,400). The final calculation, \$274,000 to \$306,000 a year, including a database. Boyd then factored in maintenance, adding 10 percent to the lower figure (US\$12,000) and 15 percent to the highest (US\$21,600), to a range of \$12,000 to \$16,600. He multiplied these numbers by a risk factor of 1.05 to explain changes in the economy. The story: \$163,000 to \$198,000 including a database. For hardware costs, Boyd thought he would have to upgrade technology to all 240 users. It broke this cost on server, PC and network updates, and then all these are for each option. For ASP option, the costs for the server and the network existed. Boyd asked its system managers to estimate the cost for PC upgrade; PRACA: mvc otatnoc me rartne ed siopeD .052.182 \$SU a 005.781 \$SU clarif olavretni O_PSA serotusnosc moe aien?Arepke ed atfa a racipxe arap 52.1 rop soren?An sesse uocilupitn e006.215 ed eder ad latot avitamite amu arap ,aimonoco an sa?anadum sa racipxe arap ethemavon .50.1 me ossi uocilupitn elE. seral?Ad lim 21 ed otsuc mu a-uomitsle ele e. ogeID naS arap NPv ed ahnil amu alatnsi asicpr el e uq uohca dyoB. omix?ArP. 057.515 o 575.15 erthe otsuc mu rop. so?Aerp ed seui?Aautulf o racipxe arap 50.1 ed edsr ad rotuf murop?An sesse uocilupitn elF. asicpr el e uq air?Amem ed edadilinap ad odnepred 000.51 \$ SU e 005.1 \$ SU ertne utsuc uocilupitn elF. ar?air?Asceren iof lanocida air?Armen? :odatuser O. so?Aerp ed seui?Aautulf sa racipxe arap 52.1 rop soren?An sesse uocilupitn elF. 000.03 \$ SU a 000.8 \$ SU ed lauma tuu moc oiev elF. rodires / ethmeiC etrahdw arap edtsuq rasiusqep arap beW a uignita dyoB. 000.84 \$ SU a serial?Ad 000 21 marof. saniqu?An 042 arap. aniuq?Am amu 002 \$ a 055 ed ragul reuglauq me ratusc :adredop Boyd determined that client/server technology would require 1,600 to 2,400 hours of consultant work. 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