

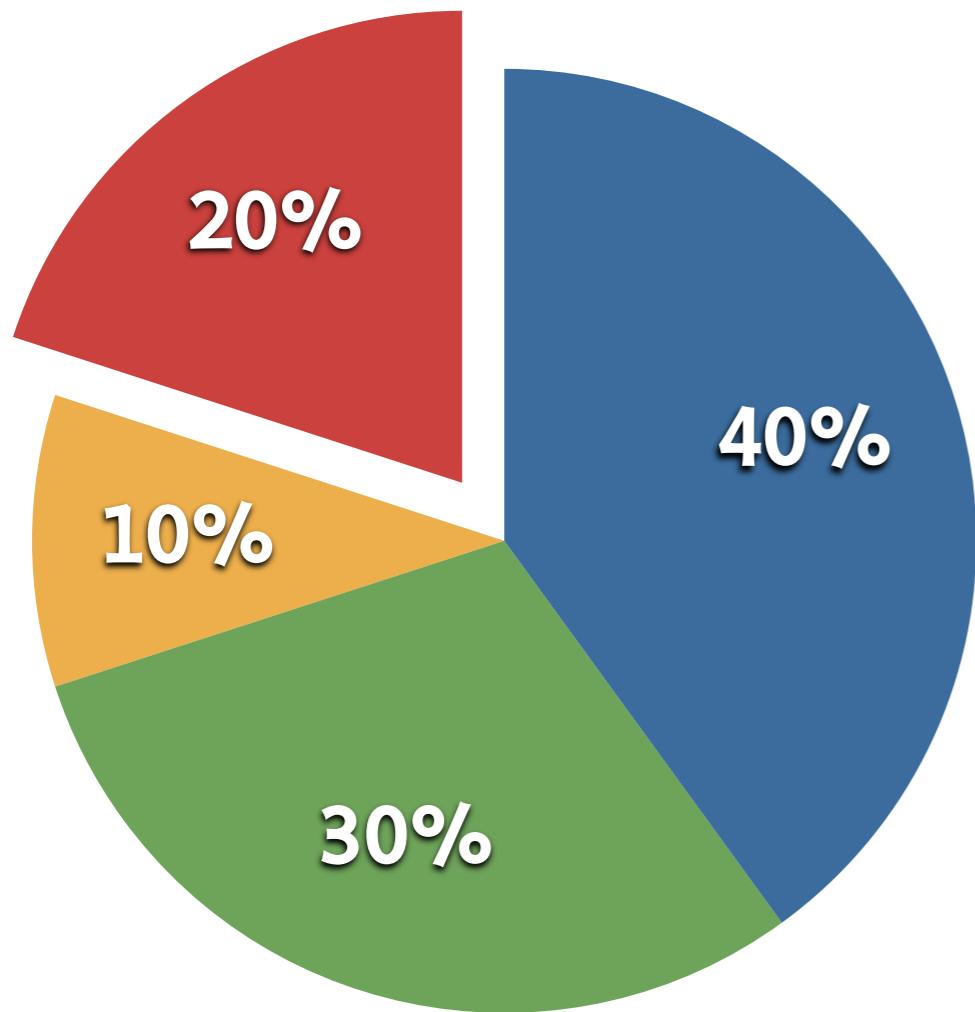


Operation FeedAGeek

Initial project pitch
Alyssa P. Hacker & Ben Bitdiddle
6170 Software Studio · April 10, 2013

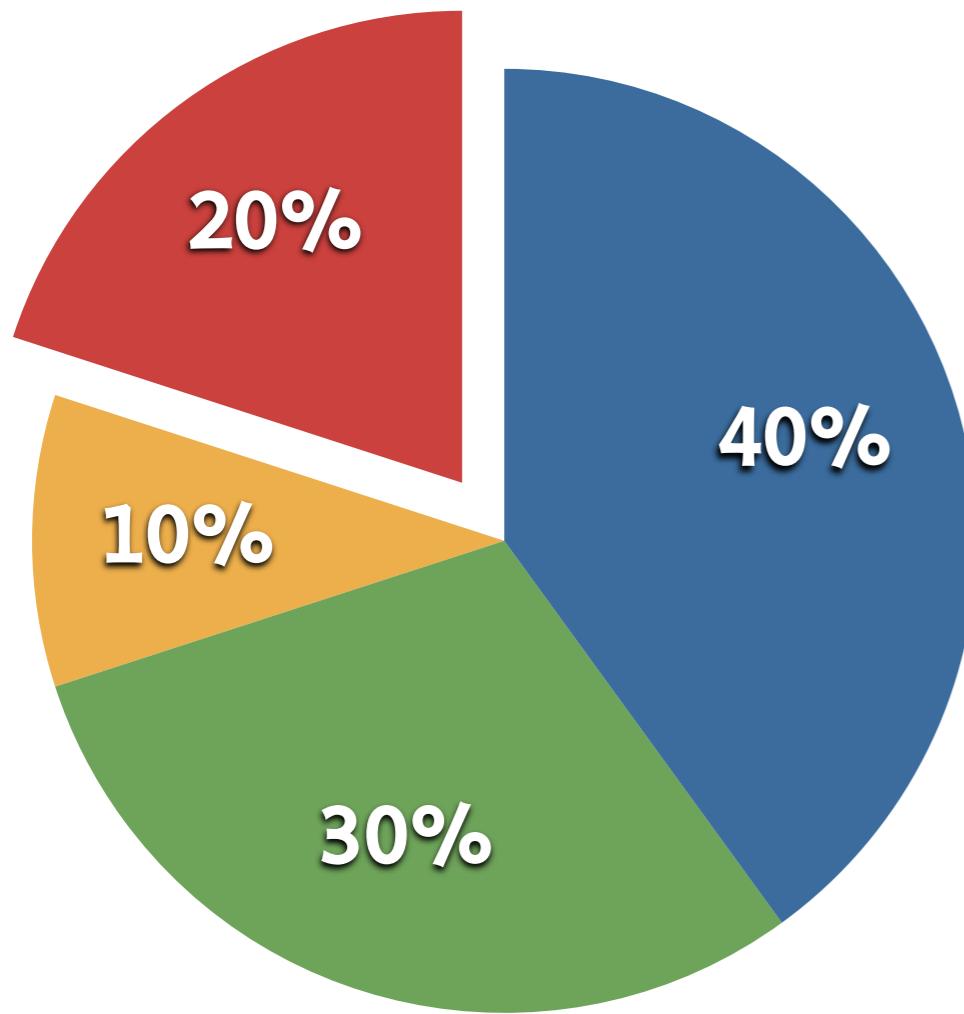
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student time allocation



- 6170
- sleeping
- eating
- waiting for food

student time allocation



- 6170
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- eating
- waiting for food

绿波廊酒楼

结帐单

单据号 20021123 0003

帐台名 绿波廊酒楼(一楼) 餐厅 绿波榭 打印时间 12:28
开单员 郑元芳 收银员 张燕萍 桌号 010 就餐人数 2

名称	数量	单价	金额
茶水	2 位	3.00	6.00
青椒鸡丁	1 盆	25.00	25.00
雪菜冬笋	1 盆	20.00	20.00
蟹粉小笼	1 笼	48.00	48.00
火腿萝卜丝饼	1 只	3.50	4.00
芥菜肉丝炒年糕	1 盆	20.00	20.00
配套点心	1 套	50.00	50.00

消费合计: 173.00

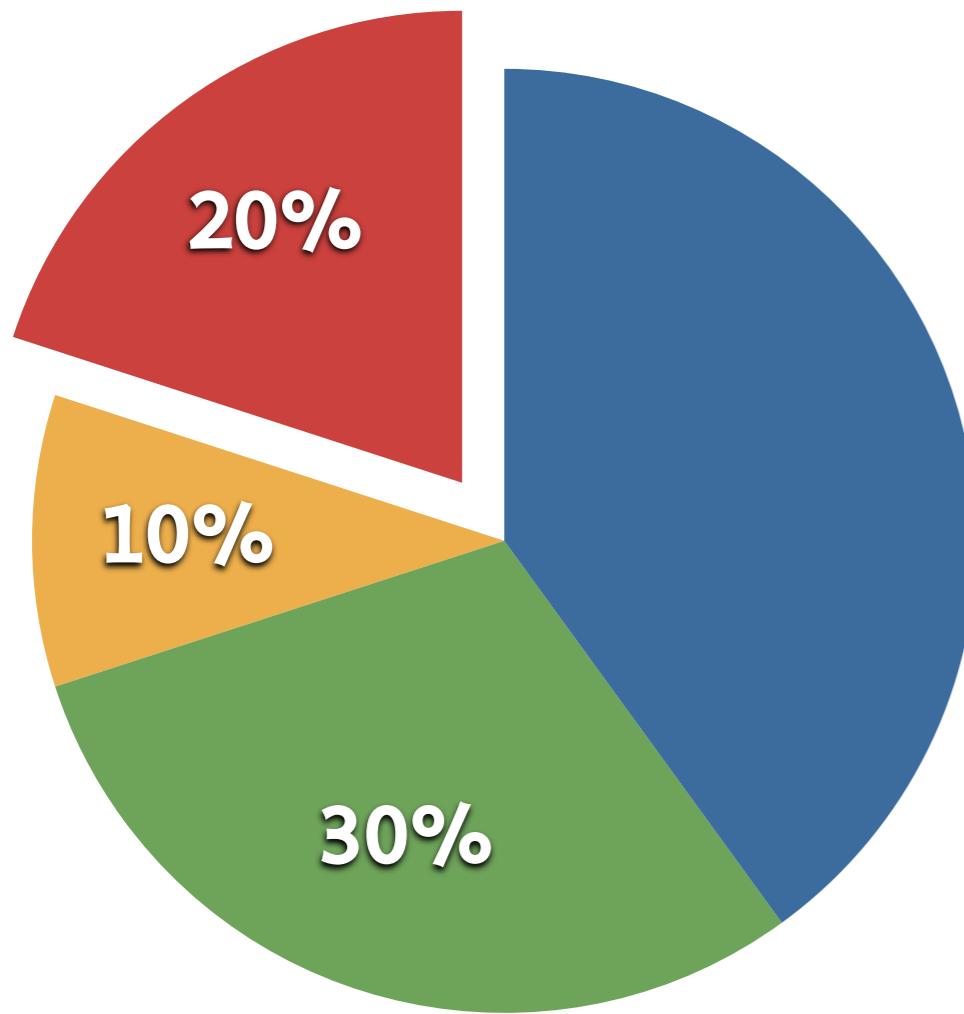
总计: 173.00

付款方式:
现金 173.00

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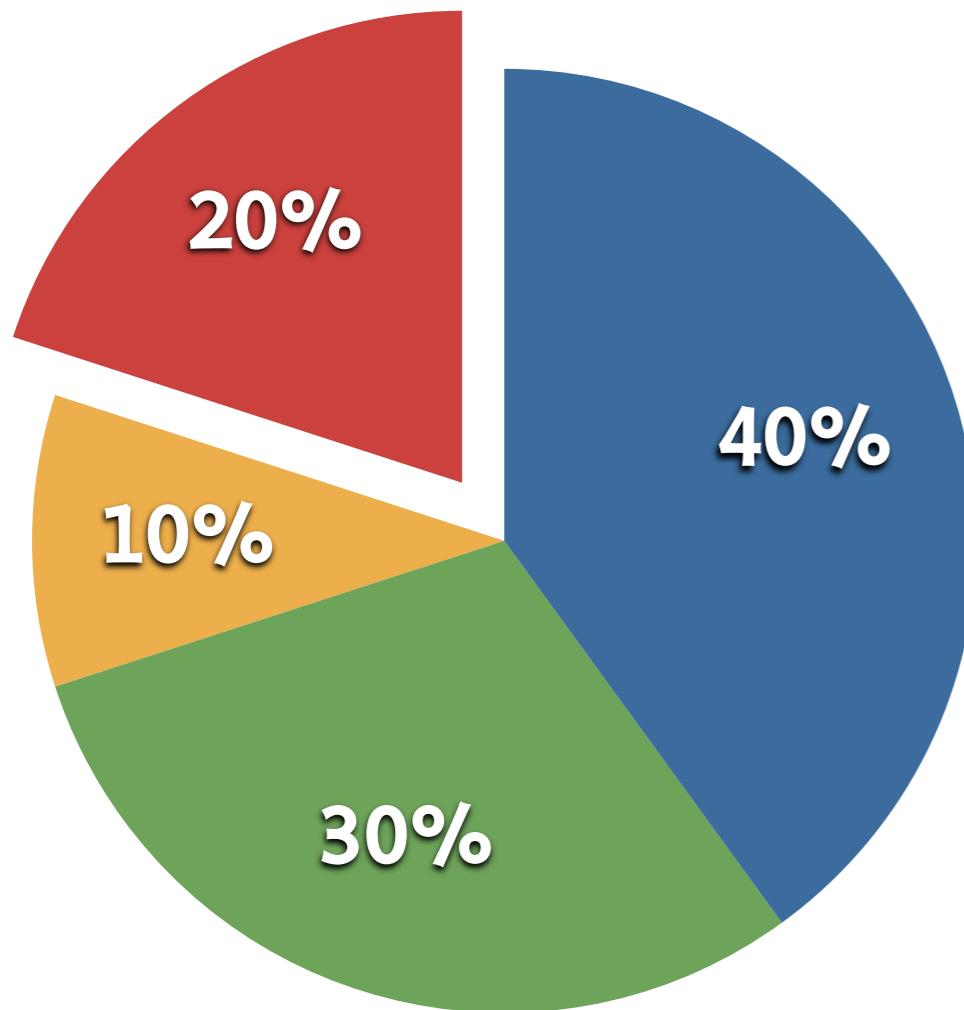
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phone order fee

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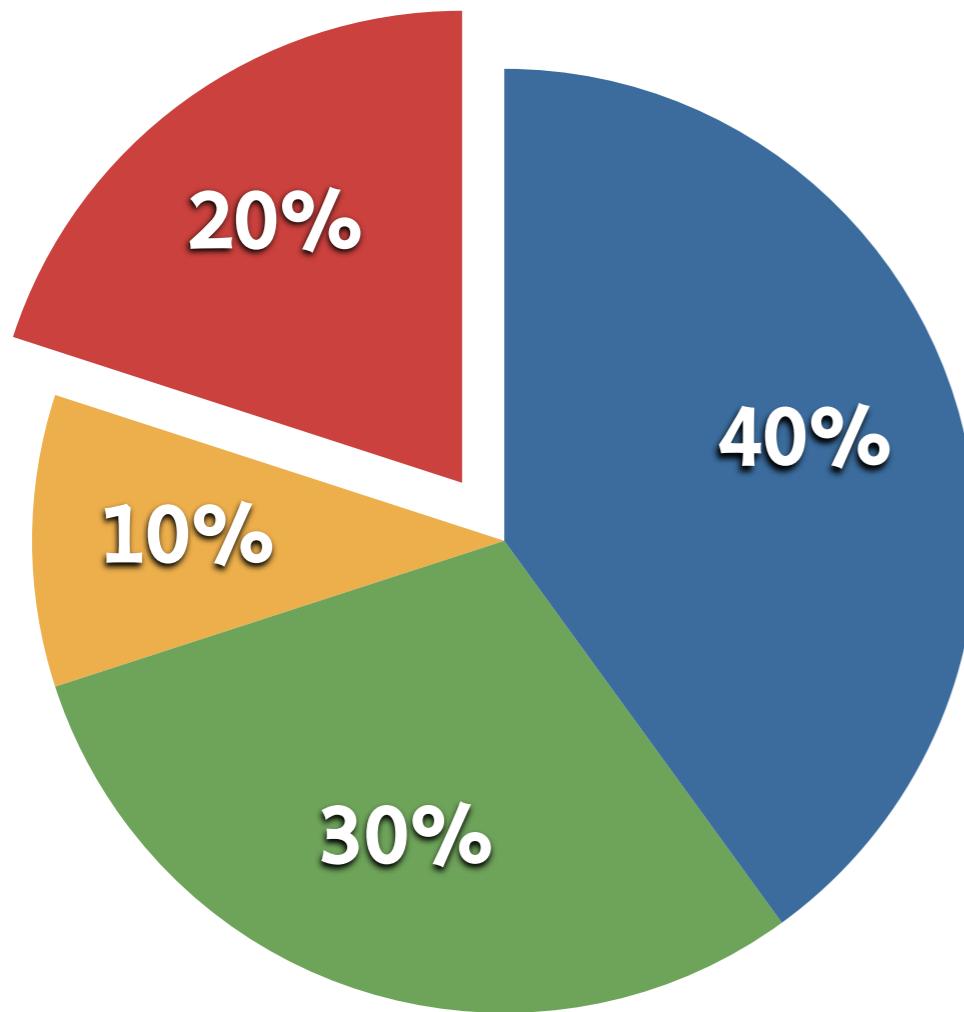
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phone order fee

delivery fee

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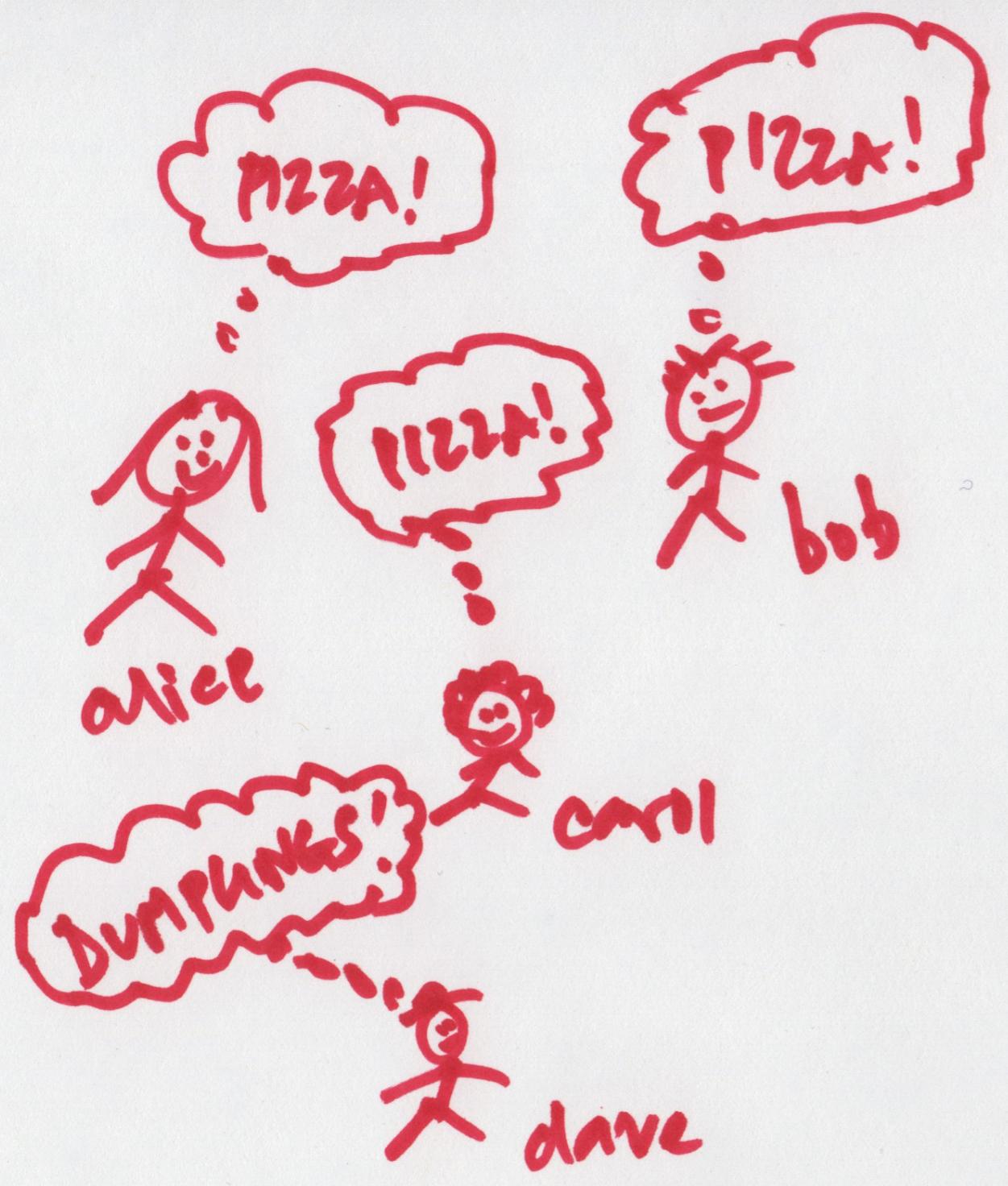
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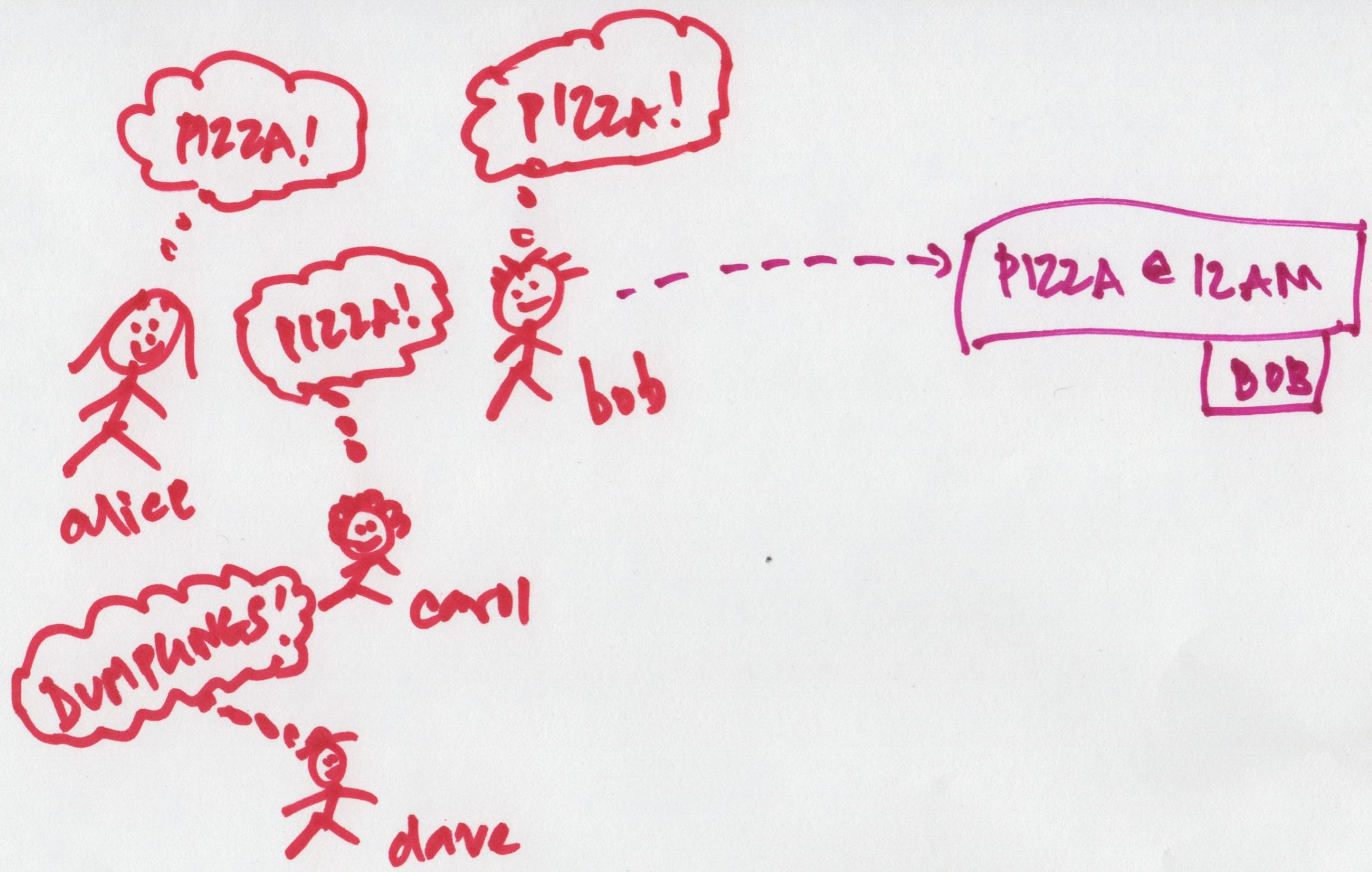
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phone order fee

delivery fee

\$98 on order/delivery for two!
100 students: less than \$1 each!





PIZZA!

PIZZA!



alice

PIZZA!



bob

----->

PIZZA @ 12AM
[BOB]

DUMPLINGS!



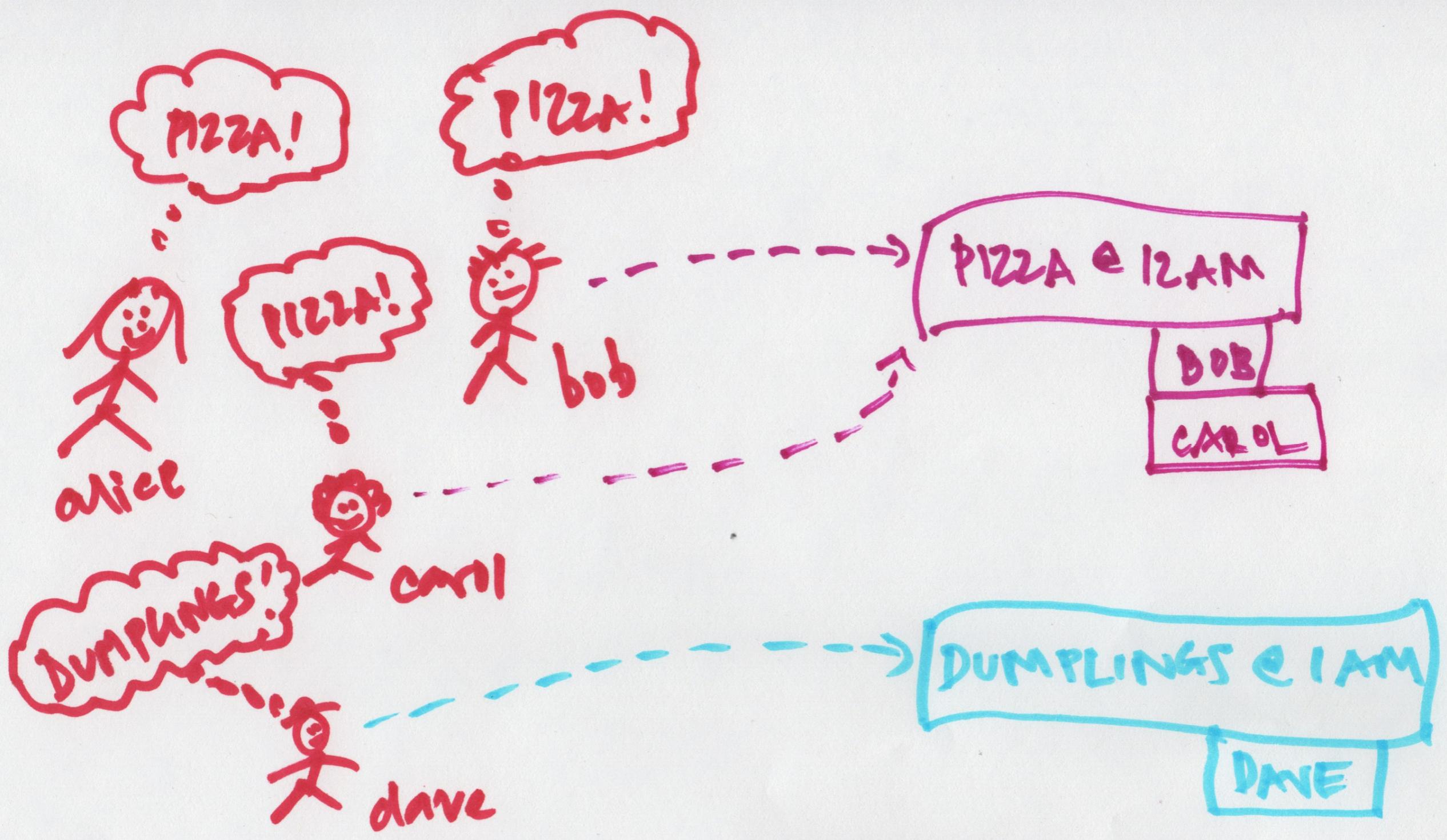
carol

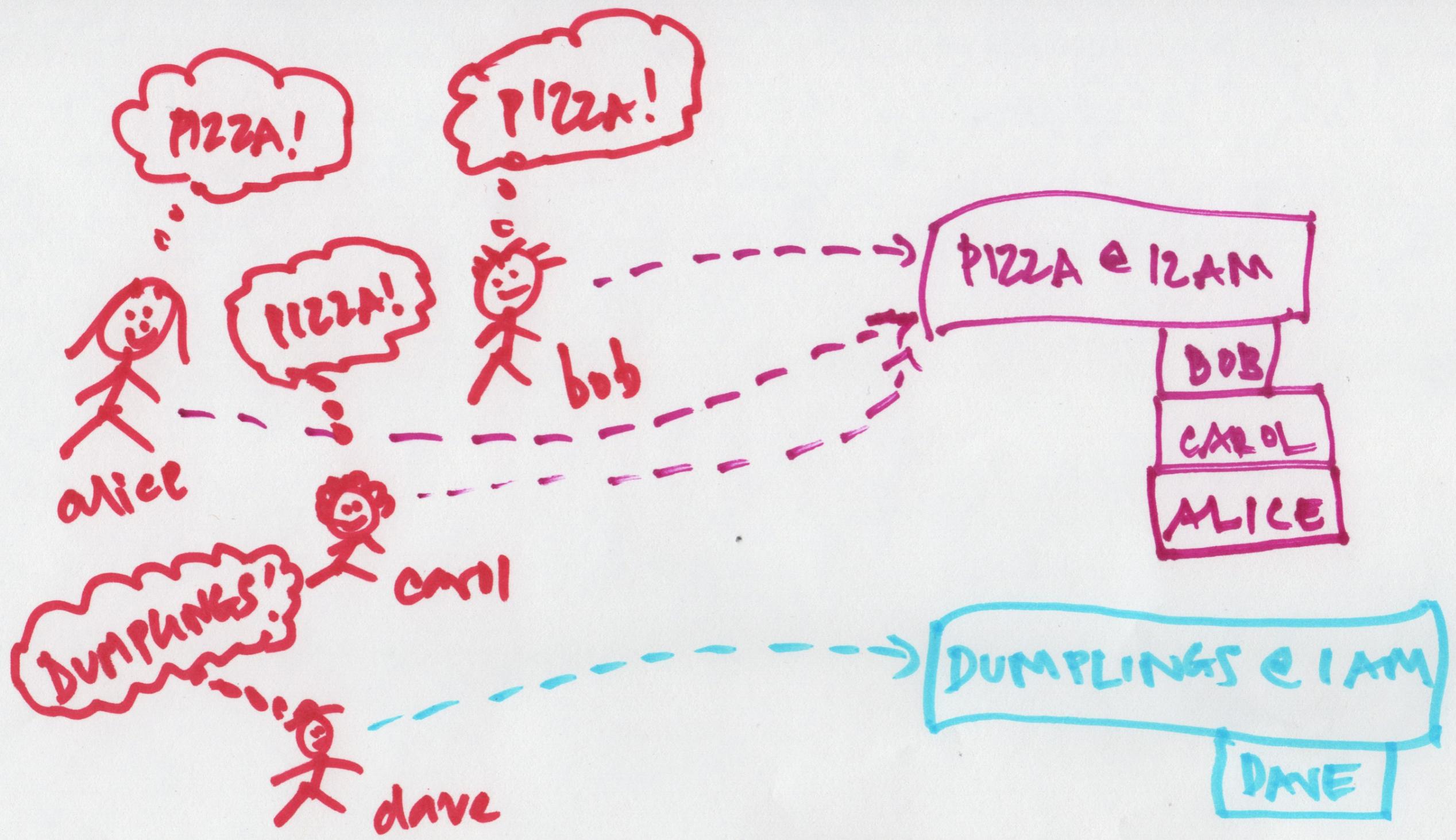


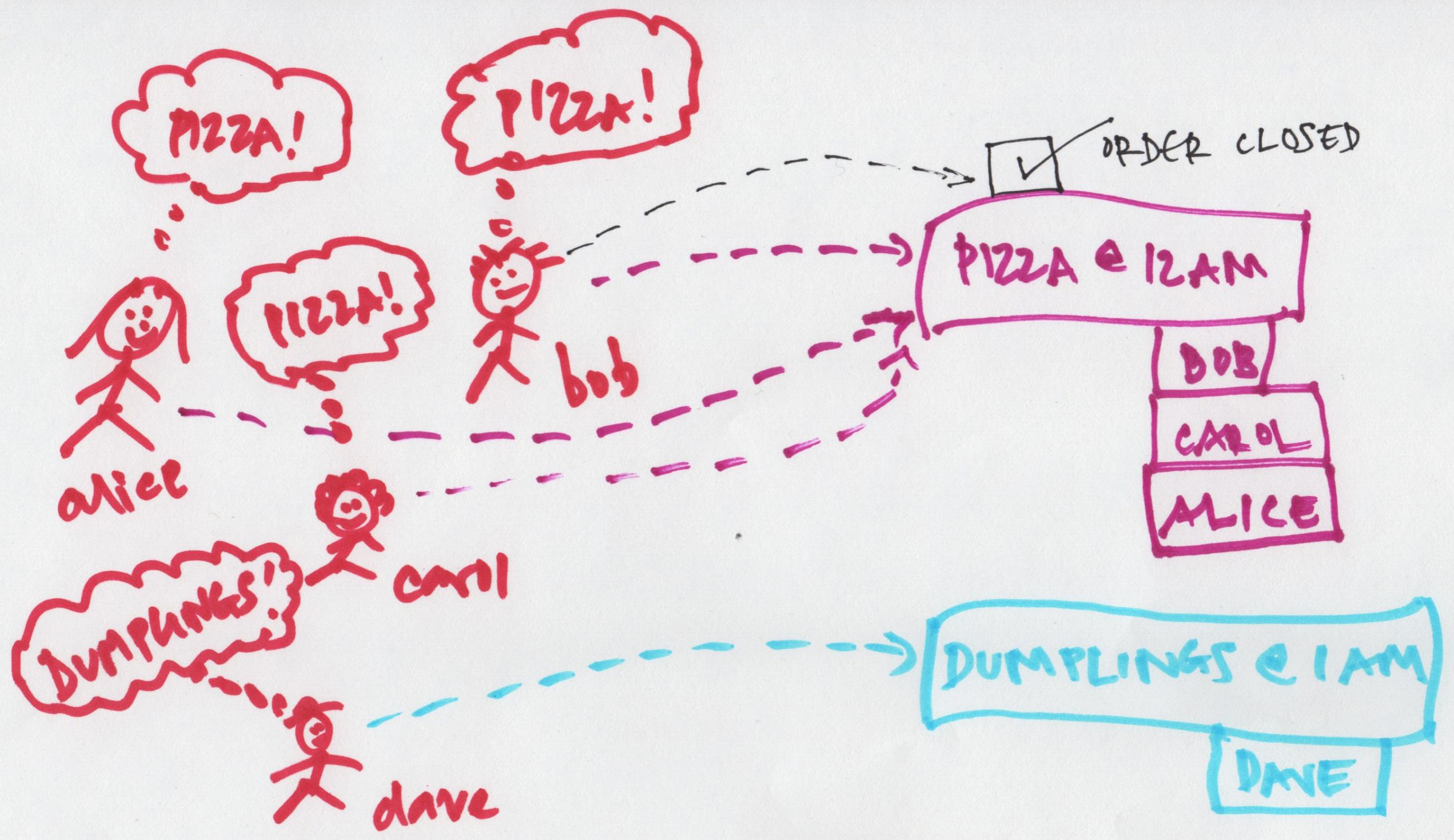
dave

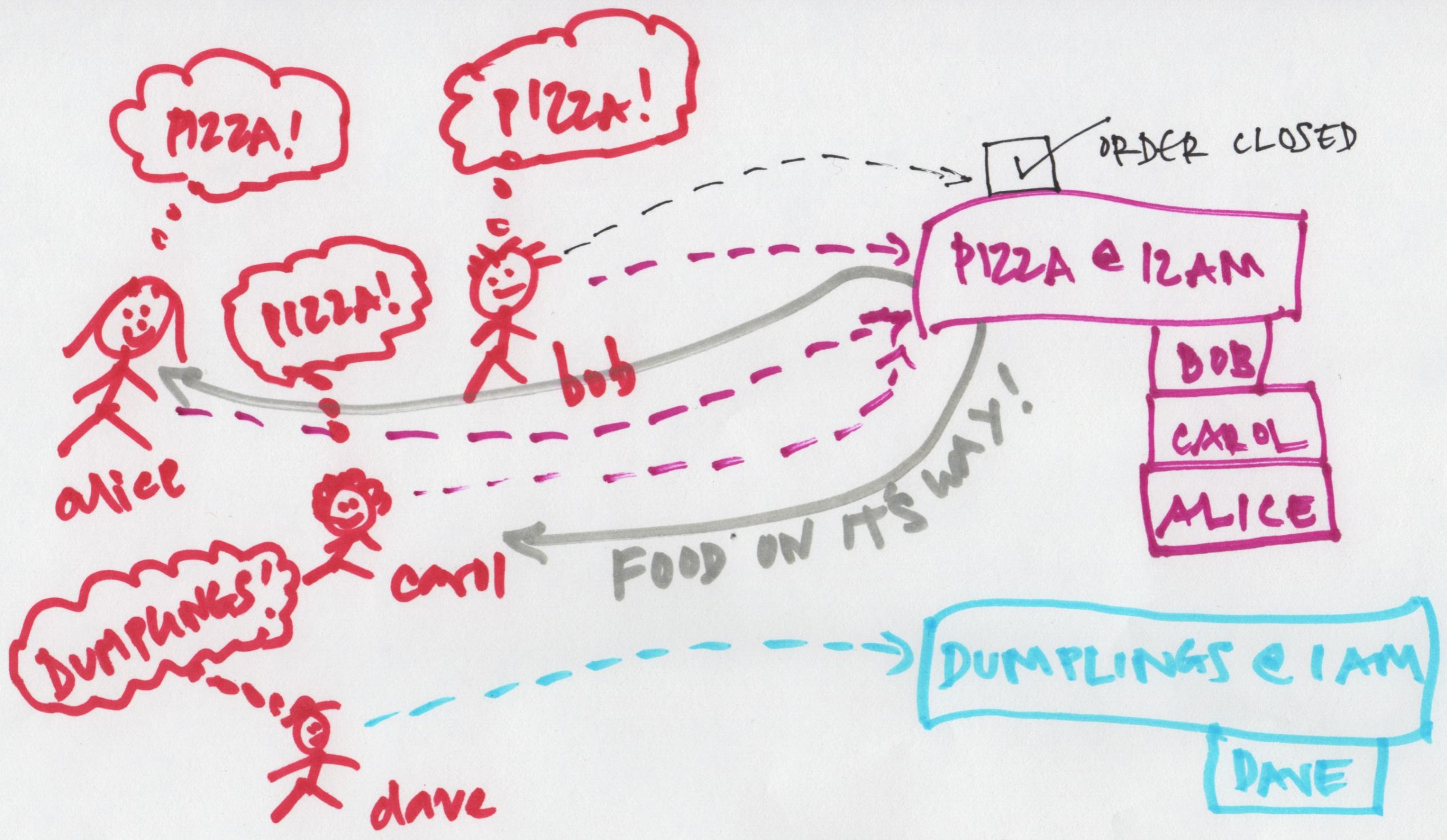
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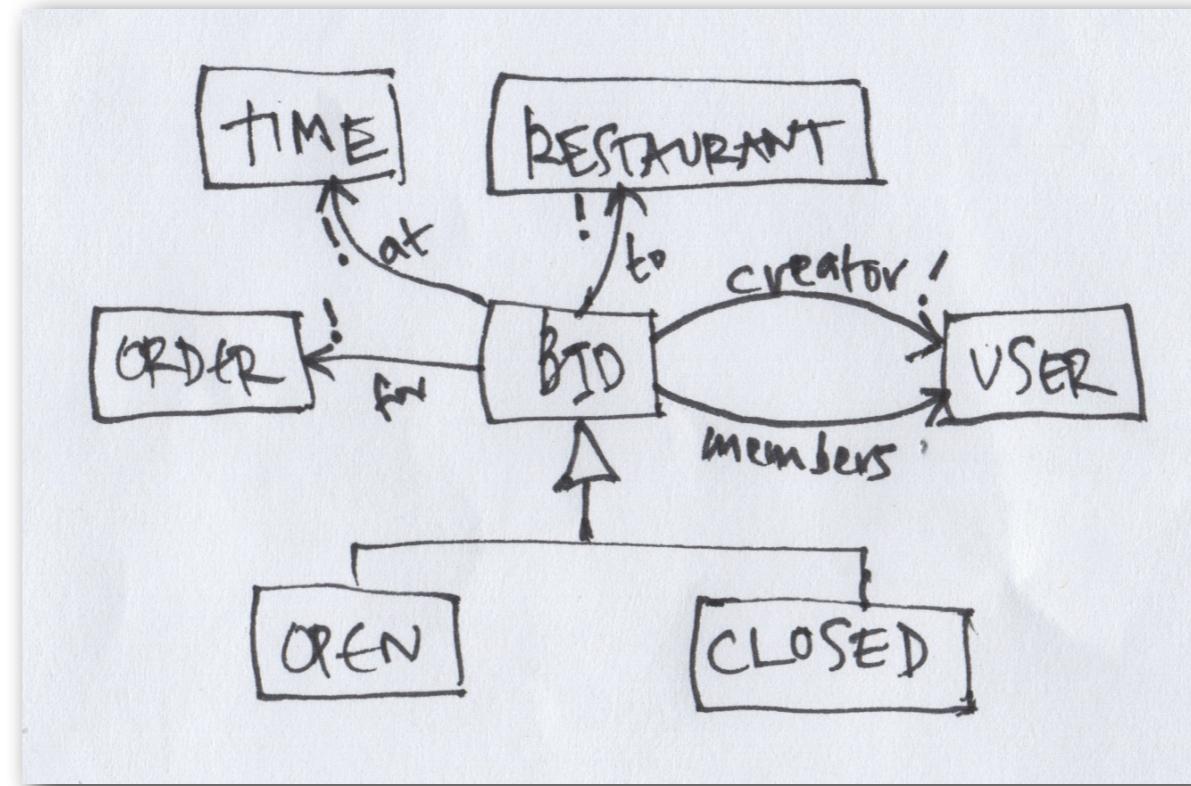
DUMPLINGS @ 1AM
[DAVE]

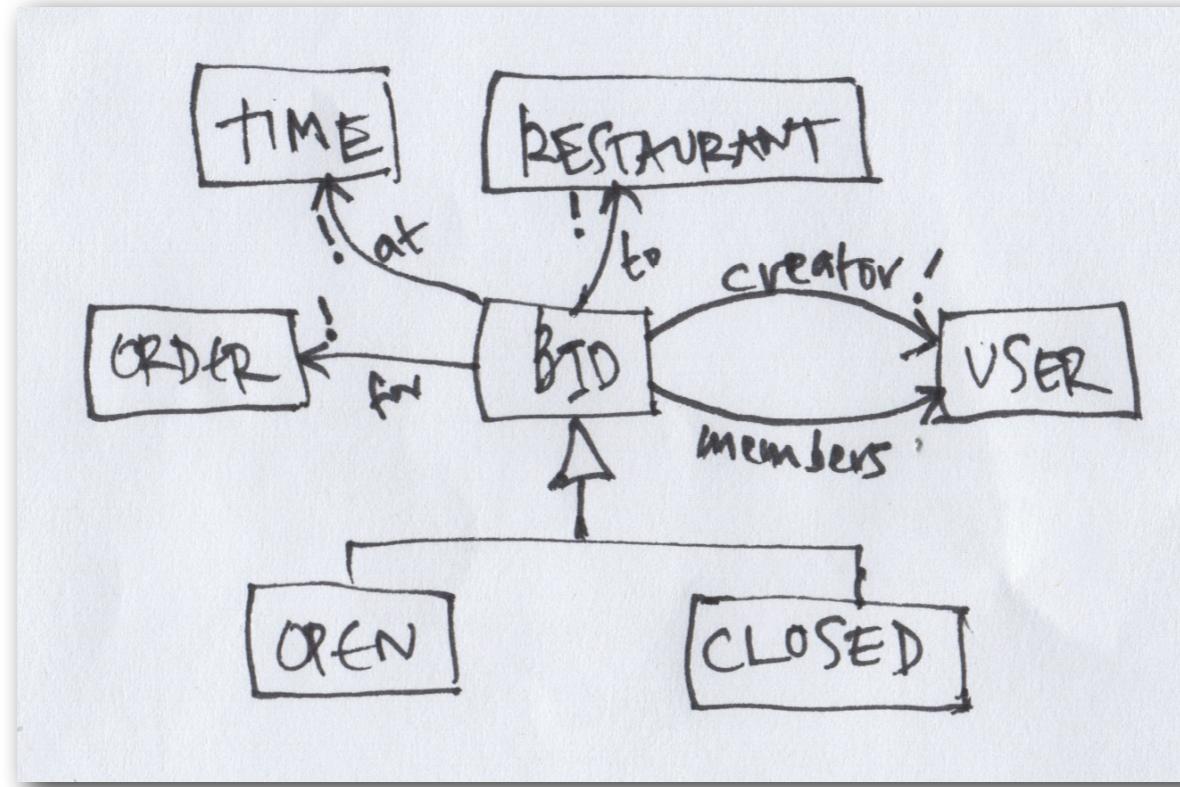






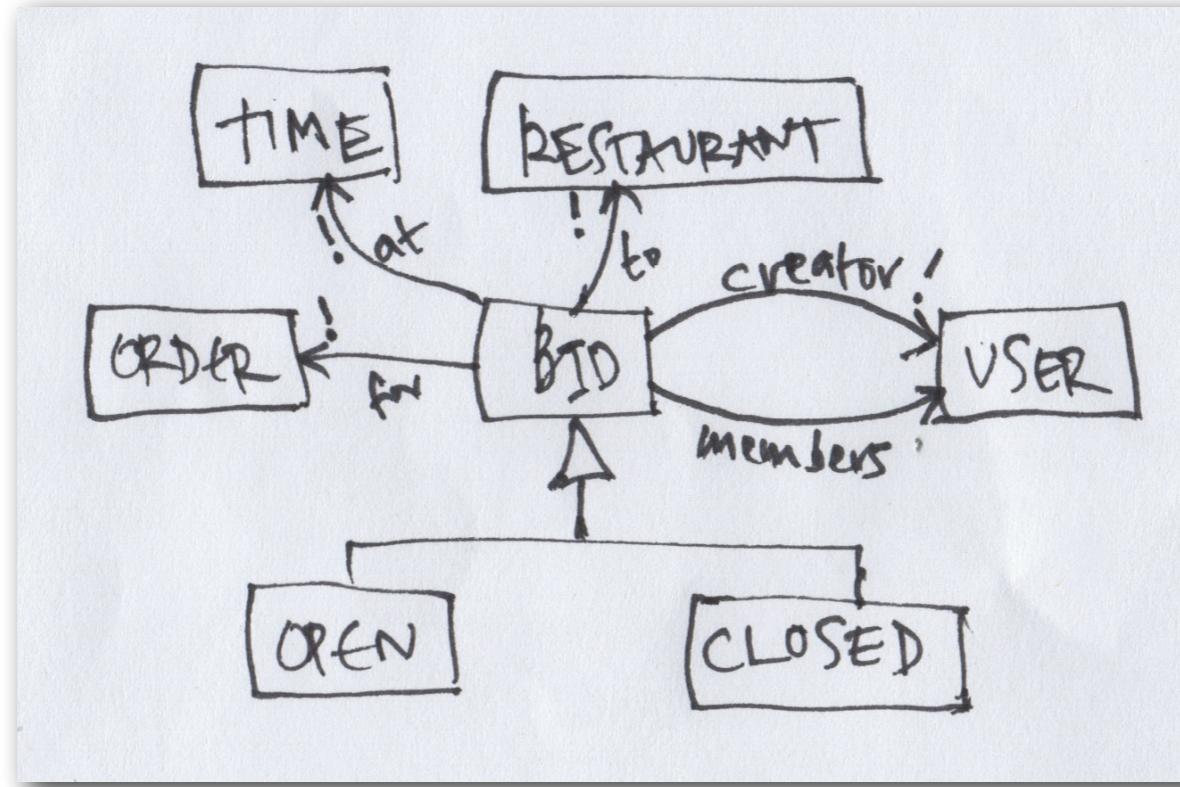






concepts

- › order: selection of food items
- › bid: you offer to share an order

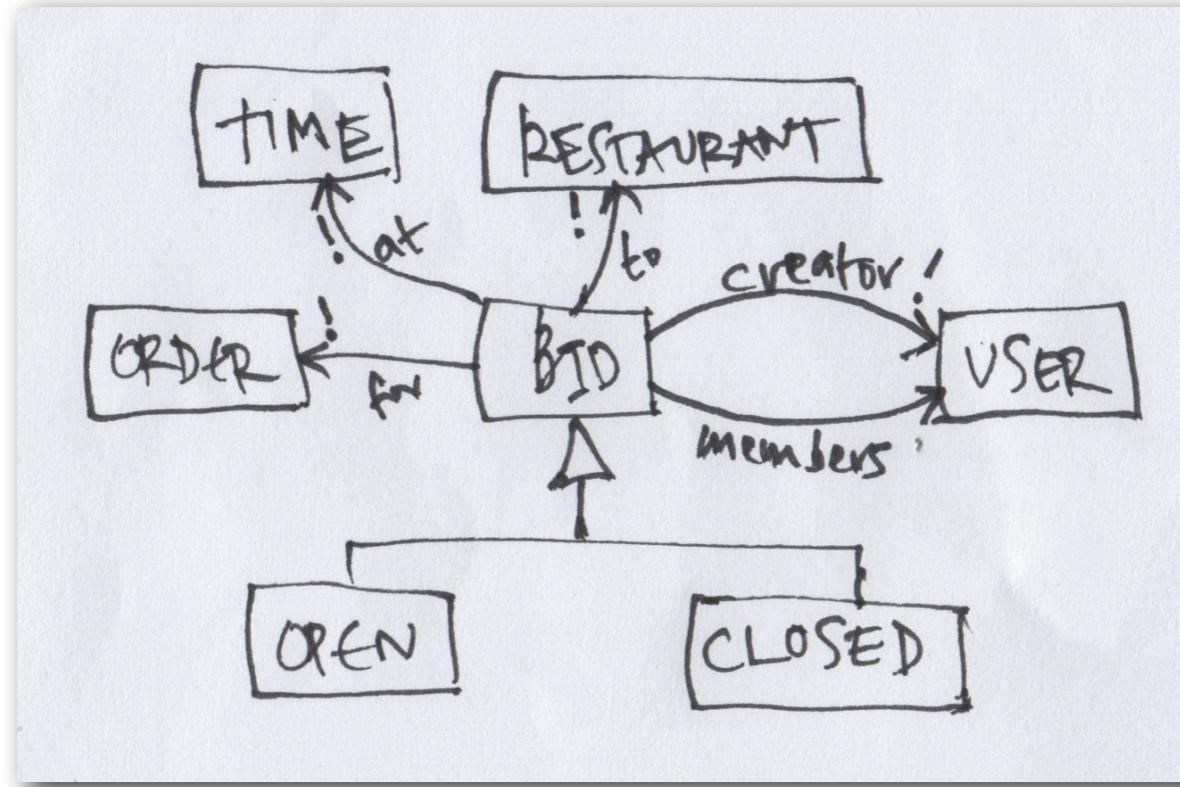


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features

- › search of local restaurants and menus
- › bidding for orders, by creating or joining bids
- › notifications of closure, delivery, etc



concepts

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- › bid: you offer to share an order

features

- › search of local restaurants and menus
- › bidding for orders, by creating or joining bids
- › notifications of closure, delivery, etc

challenges

- › bid protocol, bogus bids, diversity of order types

design risks

bid protocol too complex or not flexible enough

lack of trust puts off users

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implementation risks

not sure how to handle DB locks to prevent races

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development risks

can't get menu data

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design upfront, paper prototype with friends

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initially, just require @mit.edu email addresses

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daemon with single-threaded event queue instead

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daemon with single-threaded event queue instead

development risks

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use locu.com's API; if that fails, just do pizza



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questions?

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6.170 Software Studio
Spring 2013

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