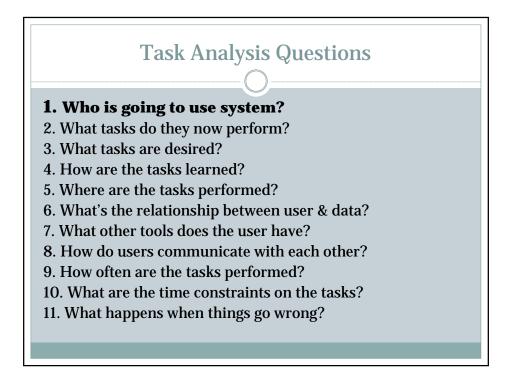
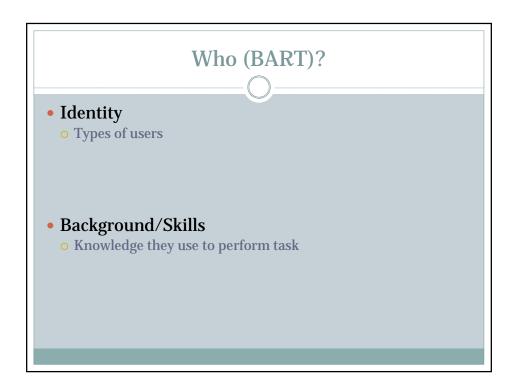
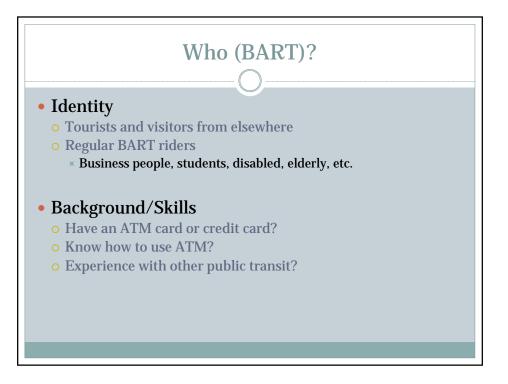


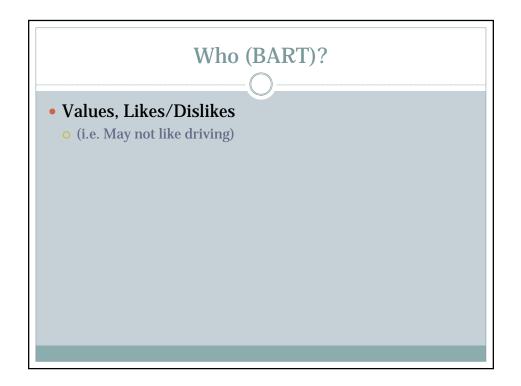
- 1. Who is going to use system?
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Who (BART)?

• Values, Likes/Dislikes

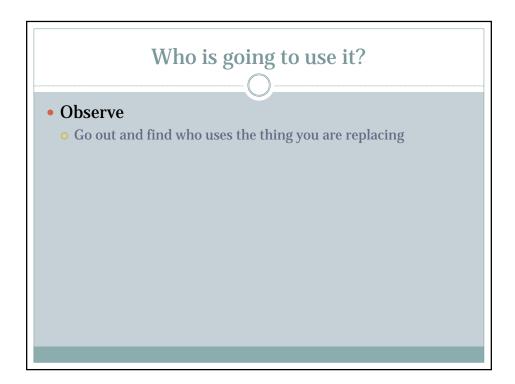
- May not like driving
- Want minimum fuss
- Sometimes in a hurry
- Maybe frugal (like saving money)
- Maybe environmentalists
- Hate having money eaten
- Want to feel safe and maintain privacy
- Hate feeling stupid



Who (BART)?

• Personal characteristics

- Mostly educated, fluent in English
- Varying heights \rightarrow don't make it too high or too low!
- Mixture of ages, a few disabled users (e.g. wheelchairs).
- Some bike users (make interface one-handed?)



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Old and New Tasks

Old

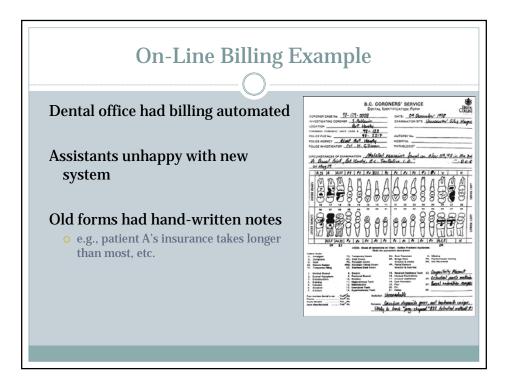
• The way people do things now

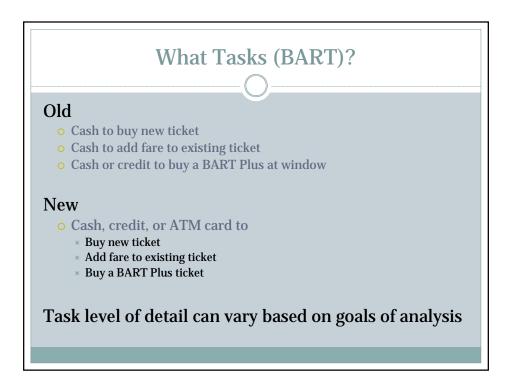
New

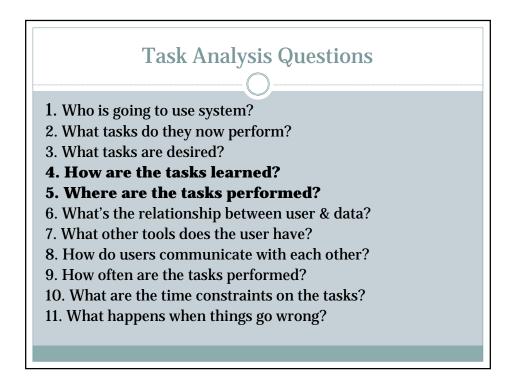
• The way you anticipate them doing things in future

Observe!

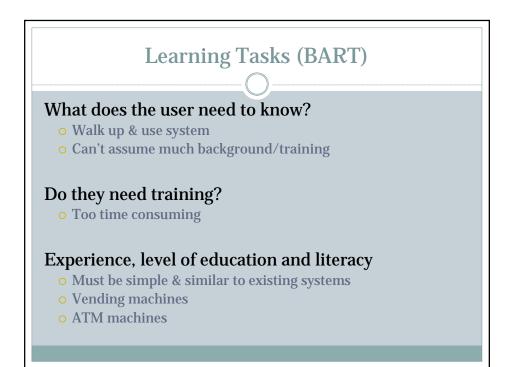
- Pick the most important tasks
- Remember you're guessing about future tasks
- Return to this when you test your prototypes

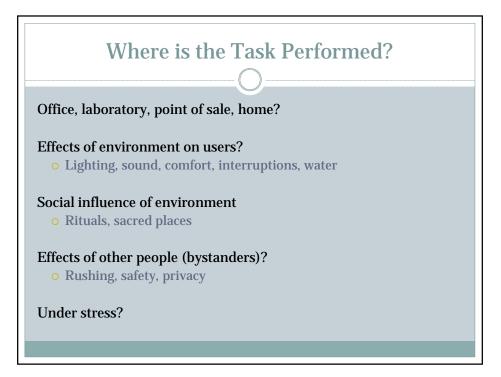


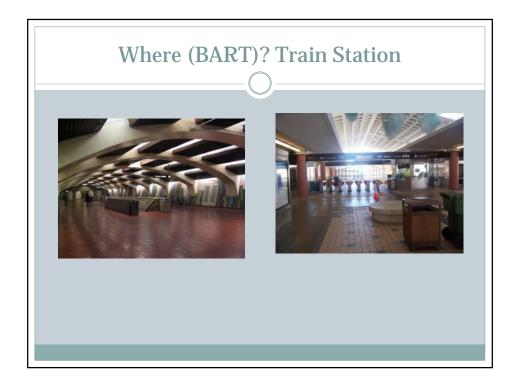












Where (BART)? Train Station

Loud

• Voice I/O not a good idea

Privacy

- Others can look over shoulder
- PIN must be confidential
 - × Don't confirm with sound

Lighting is dim

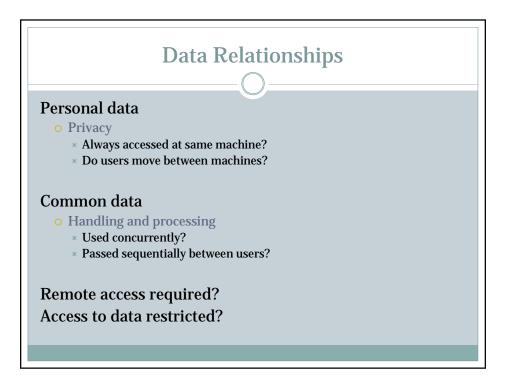
• Make sure messages are readable

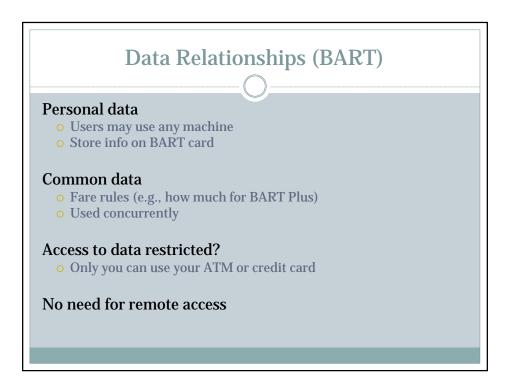
Rituals

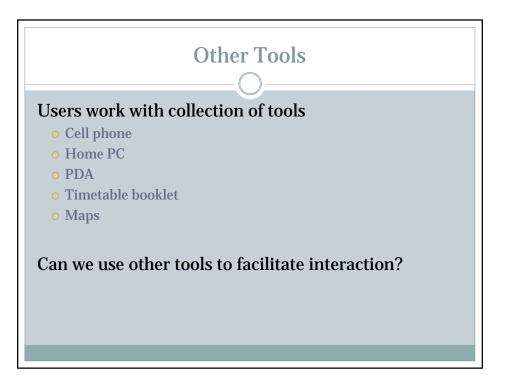
• Panhandlers, musicians, reading the paper, cell phones

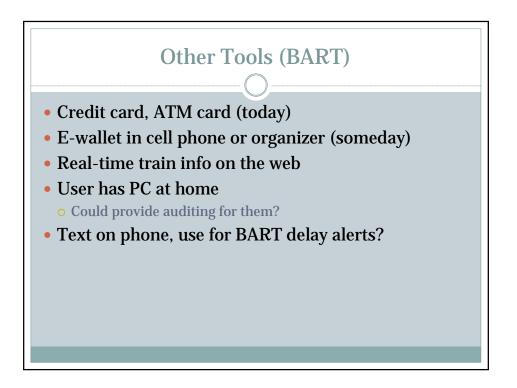


Task Analysis Questions 1. Who is going to use system? 2. What tasks do they now perform? 3. What tasks are desired? 4. How are the tasks learned? 5. Where are the tasks performed? 6. What's the relationship between user & data? 7. What other tools does the user have? 8. How do users communicate with each other? 9. How often are the tasks performed? 10. What are the time constraints on the tasks? 11. What happens when things go wrong?





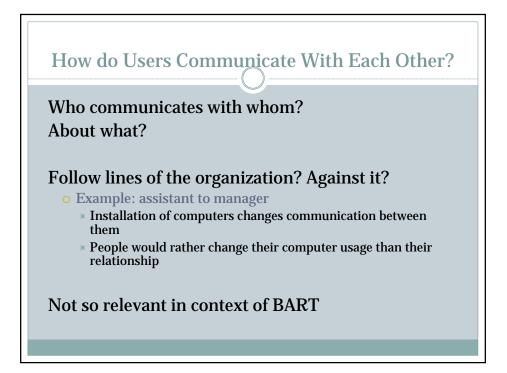




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9. How often are the tasks performed?

- 10. What are the time constraints on the tasks?
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How often are the tasks performed?

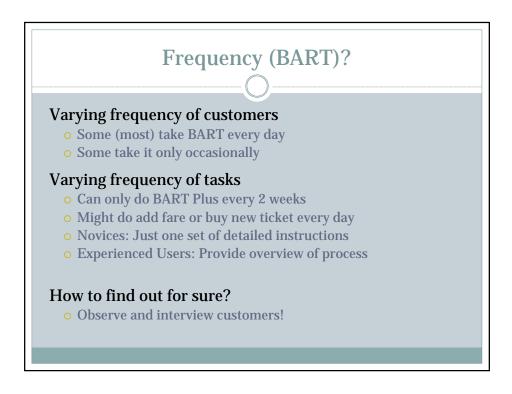
Frequent users remember more details

Infrequent users may need more help

• But don't make it tedious

Which function is performed

- Most frequently? By which customers?
- Optimize system for these tasks will improve perception of good performance



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