Consider the simple homework submission system that many of you have encountered in a CS course or two...
1. List the *users* of the system.

2. List or diagram the *functions* of the system.

3. List the *features* of the system.

4. As student users, list features you would like to see *added* to the system.
... look at student analysis of the homework submission system ...
Analysis is the study of a problem prior to taking an action.
Successful analysis involves:
• documenting the existing system in detail
• selecting an optimal target system
• documenting the target system in detail
• producing accurate predictions about the target system
• obtaining validation of the preceding items from all stakeholders
... look at example analysis of a company’s seminar system ...
1. Analysis
2. Design
3. Implementation
4. Hardware Study

- Customer requirements
- Functional specification
- Design + test plan
- Configuration data
- System
- Customer

- Budget + schedule
- Physical requirements
- Hardware order

Team
1.1 study environ.
1.2 derive logical equiv
1.3 model new system
1.4 package the spec
1.5 define HCI
1.6 quantify options
1.7 select option

- new physical DFD
- cost/benefit analysis
- budget + schedule
- physical requirements
- functional specification
- data dictionary

- requirements
- current physical DFD
- current logical DFD
- new logical DFD
- new physical DFD
- selected DFD
Returning to the current CS homework submission system...

Draw a data flow diagram that documents the users and functions of the system.

How do the features that you would like added to the system change the DFD?
You can observe a lot just by watching.