Liang (Jeff) Chen

- Office hour
  - Wed, 4:00-5:00pm, CSE B240A
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Jerry Chou

- Office hour
  - Monday, 3:00-4:00pm, Atkinson Hall 4604
Project Proposal & Specification

-- what we expect
Proposal: high level picture

- What application you want to build?
  - Who are the users
    - Different groups of users
  - What actions they are expected to perform
  - **Basic Functionalities**

- Be aware
  - Client-side vs. server-side
  - Key: non-trivial business logic
Why specification

- Functionality is only a black box
  - same functionality can correspond to different business logic and interfaces
  - sometimes, the logic is not straightforward

- You need a concrete specification to convince your customers (and for your later implementation)
Example 1: login

welcome (/Welcome.do) /Welcome.jsp

logon (/Logon.do) /Logon.jsp

LogonSubmit.do

“Sign in”

Validate

Invalid username or password

Success, pass logonForm data

Logoff.do

welcome (/Welcome.do) /Welcome.jsp

logon (/Logon.do) /Logon.jsp

LogonSubmit.do

logonSubmit

“Sign in”

Invalid username or password

Validate

“Sign off”

Failed

Logout

Success

/MainPage.jsp
Example 2: application submission

- Simple solution: one big form and a “submit” button. However,
  - Usage convenience, information delivery, data verification, etc.

- Alternatives:
Specifications

- What the web pages look like?

- How are they connected – workflow!
  - Think of the graduate admission application: *how to bridge the gap between high level description and workflow?*
In summary

- When we have a meeting, we expect
  - High level picture
  - **business logic (workflow)**
    - Ideal: a demo of faked static web pages
    - Or some figures clearly states the flow
Future Perspective

- Model-View-Controller
  - Each click on the web page is viewed as an “action”
  - Two “login” flows share the same action
  - No modification on the action when switch from one flow to the other