Notes on Design Phase of Project
Information Design

A) description of key classes of user
B) stop info. seeking activities per user
C) description of why your navigational structure meets A:B
UML - unified Modeling Language
- family of diagrams
- diagrams represent models of software
  - structure - static
  - sequence - dynamic

Class level
- classes: sub-classes
- aggregation (containment)
- name
- methods
- class vars.

Implementation level
- instances

Order of operation (roughly)
UML Tools
- ArgouML
- Rose ($$)

UML Structure Diagram

classes

name

name : type

name (parameter)

methods

relationships

B

is-parent-of

A
UML for PHP

- If using oo features of PHP → use UML normally
- If using PHP procedurally:
  - map pages to class boxes

formPage4

globals

functions

dform( ) valform( )
handlerform( )

menus

topmenu( )
sidemenu( )

utils.php

db_handler

globals

for
Notes on

HTTP Caching

&

Authentication
Proxy uses:
- Share access to web
- Cache responses
- Anonymize web access
- Gateway to non-HTTP info systems
- Filter responses
HTTP Passwords / Authentication

client → server

GET page.html

challenge

credentials (user/pass)

200 ok + content (1)

nope - repeat challenge (2)

SSL/TLS encrypted

1. Basic - slightly mod
2. Digest - multiple 2-way hashes of user/pass
3. NTLM