ID-10t Consultants

Generation Java
Acceptance Test

Roger Bacon Science Center, Room 328
April 28th, 2009
6:00pm

Dr. Darren Lim
Assistant Professor
Department of Computer Science
Siena College

Mrs. Pauline White
Visiting Instructor
Department of Computer Science
Siena College

Welcome

Agenda

- **Introduction**
- Project Overview
- Test Results
- Generation Java
- Management & Development Model

Christine Fox……..Team Leader
cm21fox@siena.edu

Kevin Mulcahy……Lead Programmer
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Nick Miller……..Database Administrator
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Jordan Steans……Web Master
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Team Members

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Generation Java will provide services to:
-Students
-Instructors
-Administrators

The System will allow users access to Java Coding questions that will offer immediate feedback regarding compilation and correctness.

Project Overview

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Testing Strategy

- **Software Testing**
- **Integration Testing**
- **Regression Testing**
- **Unit Testing**

Unit Test Catalog

Test Result	Test Number	Unit Test Name
PASS	1	Login Page
PASS	2	Forgot Password
PASS	3	Student Home Screen
PASS	4	System Admin Home Screen
PASS	5	Prg Admin Home screen
PASS	6	Instructor Home Screen
PASS	7	Student Acct Creation
PASS	8	Std Acct Creation Pop-up
PASS	9	Created Acct – sys admin
PASS	10	Created user acct sys admin
NO LONGER USED	11	Create Question
PASS	12	Student Question / Q set answer
IN PRODUCTION	13	Student grade book
IN PRODUCTION	14	Administrator grade book
IN PRODUCTION	15	Instructor grade book
NO LONGER USED	16	System admin – course mngment – link to new course
PASS	17	Sa – create course
IN PRODUCTION	18	Instructor – published content pool
PASS	19	Instructor – my pool
PASS	20	Instructor – course pool
PASS	21	Instructor – global pool

PASS	22	Question Set Creation
PASS	23	Question Set Adding a Question
NO LONGER USED	24	Submitted Created Question
	25	Question Set Publication
	26	Editing Live Question
	27	Editing Live Question set
PASS	28	Acct Management Student
PASS	29	Acct Management Instructor
PASS	30	Acct Management Prg Admin
PASS	31	Acct Management Sys Admin
PENDING	32	Course home page – std
PENDING	33	Course home pg – instructor, admins
IN PRODUCTION	34	Pool management prg admin
IN PRODUCTION	35	Pool management – sys admin
ON ANOTHER PAGE	36	Std quest run & compile
REMOVED	37	Pop – up save question
REMOVED	38	Created course – sys admin
IN PRODUCTION	39	Approval global pool requests – sa
IN PRODUCTION	40	Approval course pool requests - pa
PASS	41	Create User Accounts - pa
PASS	42	Create Section

Unit Test Catalog (cont.)

Page being tested	Testing for	Expected Outcome	Pass	Fail	Comment
Student Acct Creation	Does the screen load? Is all the data uploaded to the database correctly?	The screen will load correctly and the users will have ability to type in their login info	Yes		
Std Acct Creation Pop-up	Does the screen load?	The screen will load correctly and the users will have ability to type in their login info	Yes		
Created Acct – sys admin	Does the screen load? Is all the data uploaded to the database correctly?	The screen will load correctly and the users will be registered and receive an e-mail	Yes		
Create Question	Does the screen load? Is all the data uploaded to the database correctly?	The screen will load correctly and the users will receive a success msg after submitting	Yes		
Student Question / Q set answer	Does the screen load? Is all the data uploaded to the database correctly?	The screen will load correctly and the users will receive feedback after submitting	Yes		

Pass/Fail Criteria

Number	Test Case Name	Description	Input	Expected Result	Actual Result/Comments	Test Result
20.001	Course Pool content loads	Course Pool content loads	N/A	Course Pool content is loaded with all proper questions and question sets	P	
20.002	Global Pool tab	Choose Global Pool tab	Click on Global Pool tab	Questions/Sets in Global Pool are populated and listed	P	
20.003	My Pool tab	Choose My Pool tab	Click on My Pool tab	Question/Sets in My Pool are populated and listed	P	
20.004	Published Pool tab	Choose Published Pool tab	Click on Published Pool tab	Questions/Sets in Published Pool are populated and listed	F	
20.005	Edit	Instructor wishes to edit a question/set	Click “Edit”	Redirected to a page to edit the question/set	P	
20.006	Remove	Instructor wished to remove a question/set	Click “Remove”	The appropriate item is removed from the pool	P	
20.007	Preview content	Preview content	Click the question/set title	Displays a preview of the designated question or question set in a pop-up window	F	
20.008	Add to My Pool	Add to My Pool	Click Add to My Pool button	Adds the selected question or question set to My Pool	P	

Instructor - Course Pool

Unit 42 Section Creation Page

Test Case

Pass/Fail	Number	Step	Description	Action Needed	Expected Result	Observed Result	Comments
P	42.001	Course Creation page	Correct page loads	N/A	Course Creation page loads and is appropriately displayed		
P	42.002	Course Name selection	Course Name is selected	Course Name is selected from a drop-down menu	Course Name is accepted		i.e. Intro to Computer Science
P	42.003	Course Number selection	Course Number is selected	Course Number is selected from a drop-down menu	Course Number is accepted		
P	42.004	Section Number selection	Course Section is selected	Course Section is selected from a drop-down menu	Section Number is accepted		
P	42.005	Semester selection	Semester (Fall, Spring, or Summer) and the year are selected	Course Semester and year are selected from a drop-down menu	Semester/year are accepted		
P	42.006	Create button clicked	User wishes to create the course	User clicks the "Create" button	The course is successfully created		
	= Summary of Tests for This Unit						

Unit Test – Create Section

Unit 7 Student Account Creation

Note: Assume student knows his/her first and last name and email address, and has then clicked on the "Submit" button.

Test Case

Pass/Fail	Number	Step	Description	Action Needed	Expected Result	Observed Result	Comments
P	7.001	Student Account Creation page loads	Correct page loads	N/A	Student Account Creation page loads and is appropriately displayed		
P	7.002	Enter accepted first name	Student enters first name with no illegal characters	Input first name	No illegal characters, the name is accepted		
P	7.003	Enter unaccepted first name	Student enters first name with illegal characters	Input first name	Page reloaded with proper error message displayed		
P	7.004	Enter accepted last name	Student enters last name with no illegal characters	Input last name	No illegal characters, the name is accepted		
P	7.005	Enter unaccepted last name	Student enters last name with illegal characters	Input last name	Page reloaded with proper error message displayed		
P	7.006	Enter accepted email address	Student enters a unique and valid email address with legal characters	Input email address	No illegal characters, the email address is valid. The address is accepted		
P	7.007	Enter unaccepted email address	Student enters a non-unique email address or one that is invalid or contains illegal characters	Input email address	Page reloaded with proper error message displayed		
P	7.008	Enter accepted password	Student enters a password of the proper length with no illegal characters	Input password	Password is compared to confirmation password		
P	7.009	Enter unaccepted password	Student enters a password not of the proper length or containing illegal characters	Input password	Page reloaded with proper error message displayed		
P	7.010	Confirm password correctly	Student retypes the password correctly	Input password	Confirmation password matches password and is accepted.		
P	7.011	Confirm password incorrectly	Student retypes the password incorrectly	Input password	Confirmation password does not match the password. Page reloaded with proper error message displayed.		

= Summary of Tests for This Unit

Unit Test Std. Acct Creation

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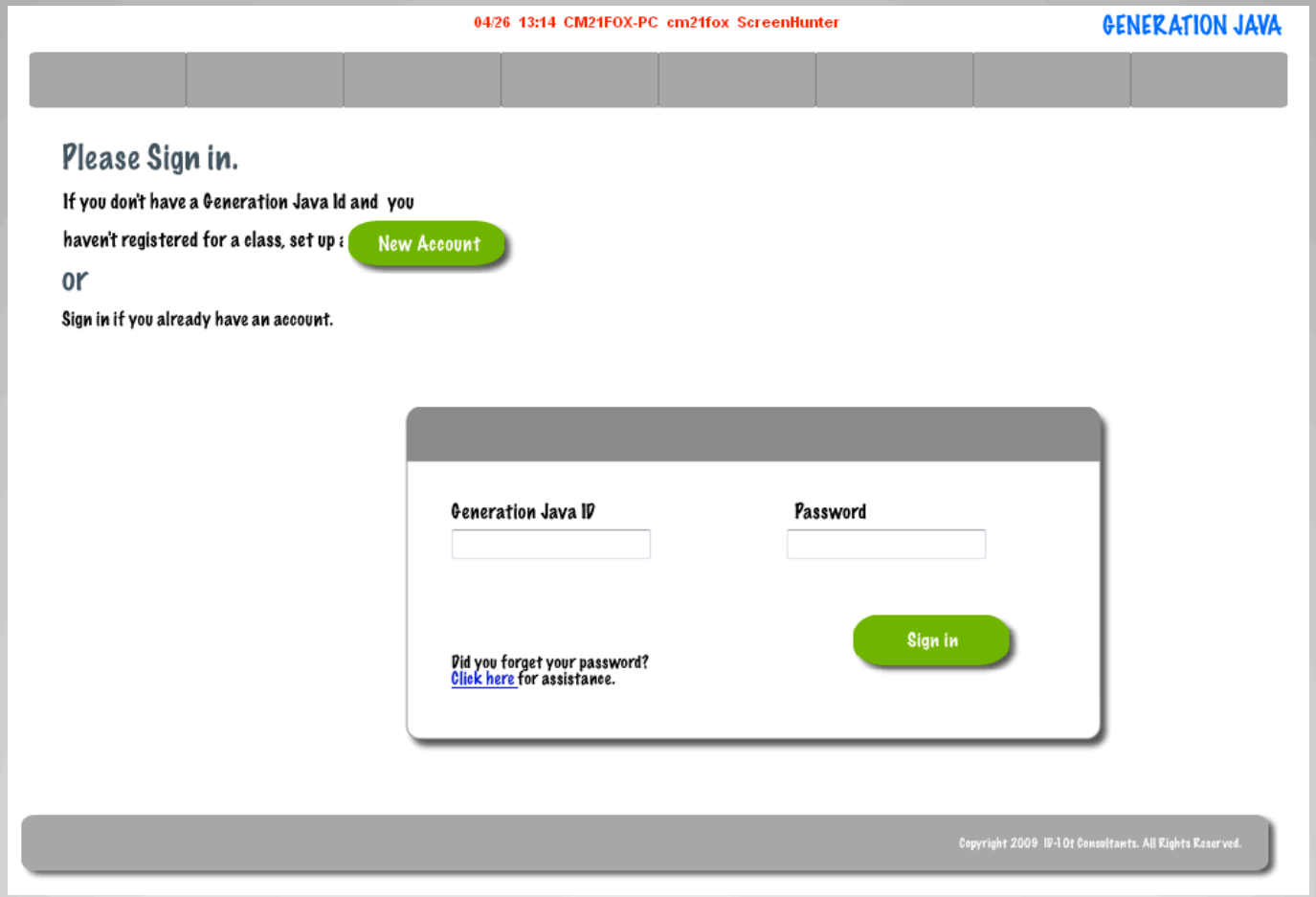
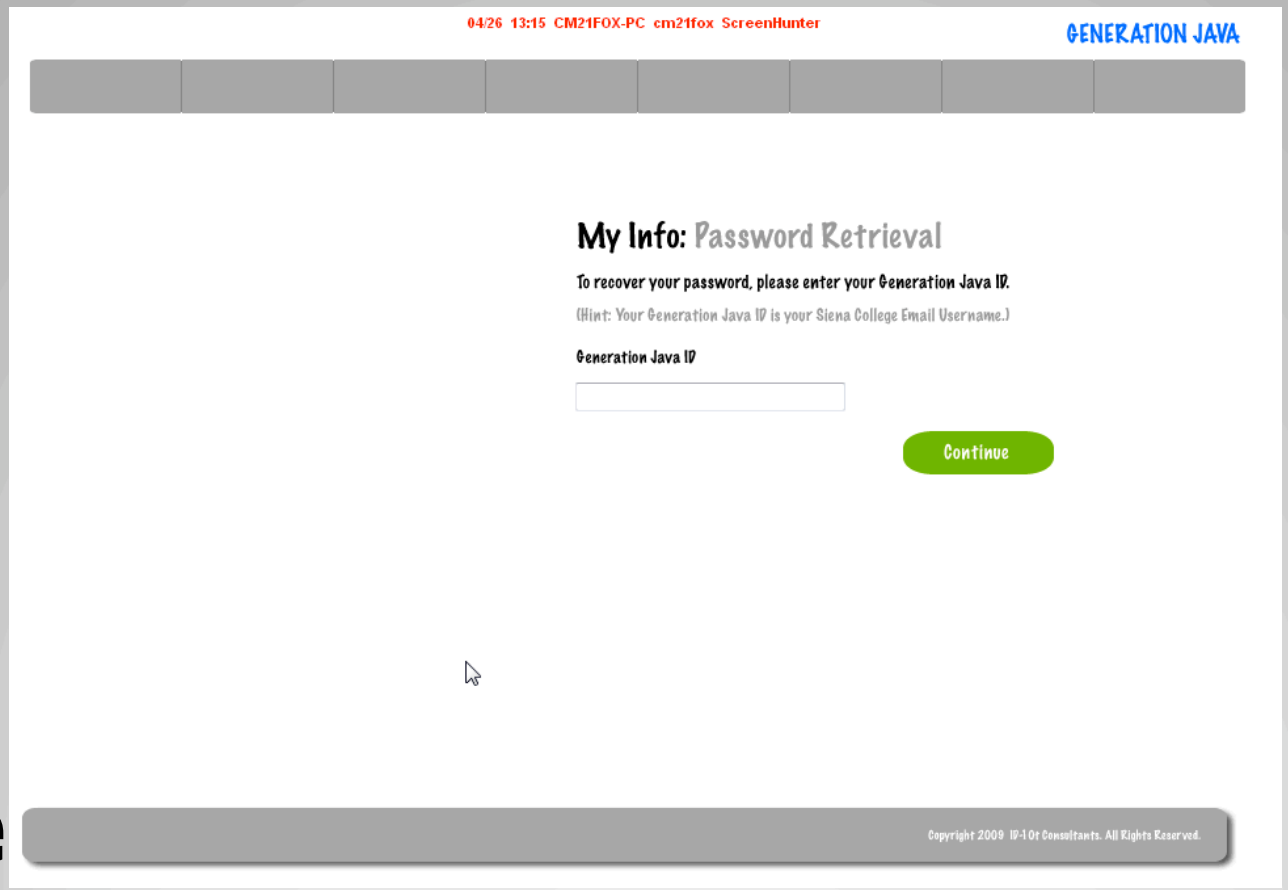
http://oraserv.cs.siena.edu/~perm_idiot/gen_java/index.php



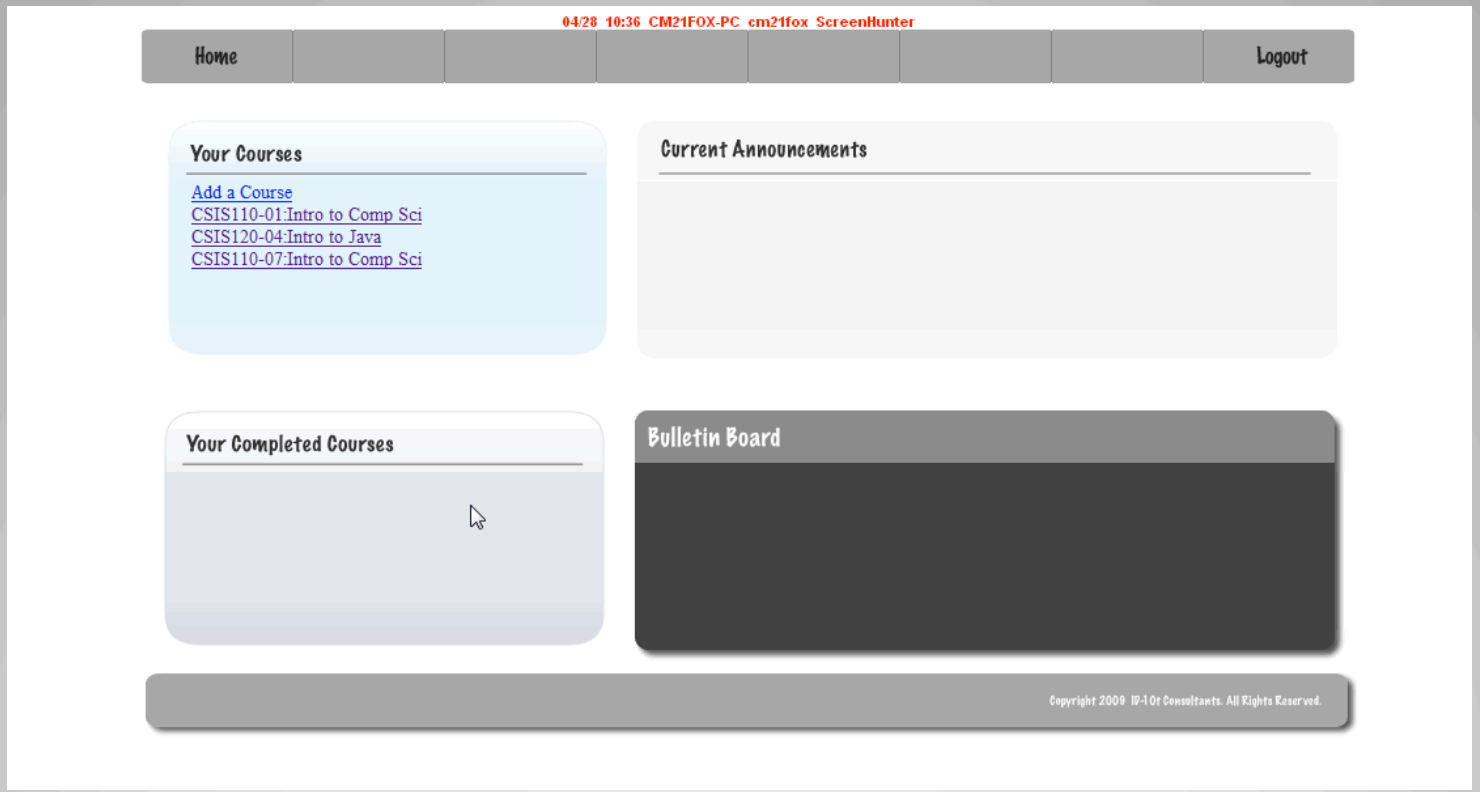
Generation Java – Log-In

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/forgot_pw.php



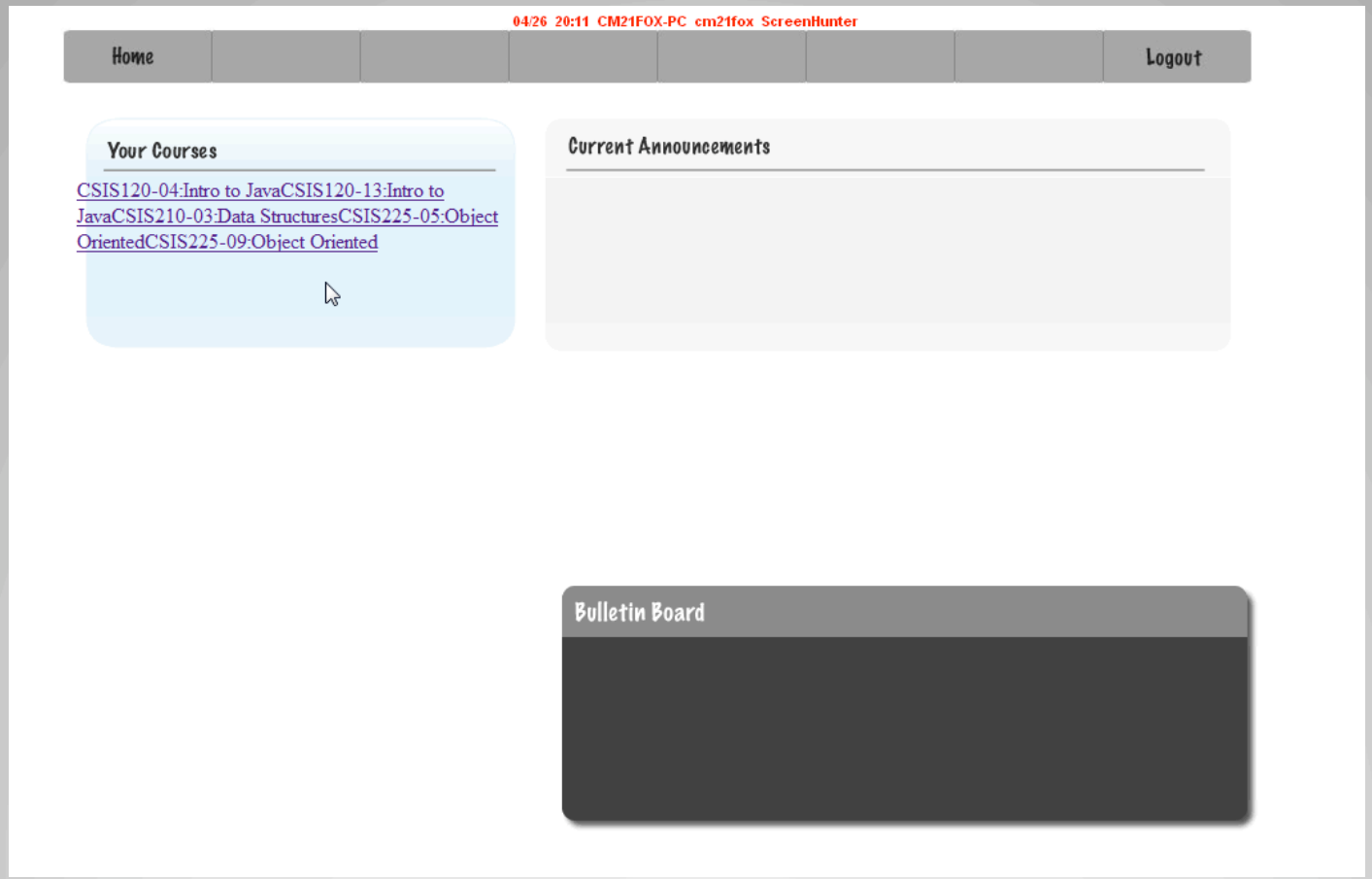
Ge
Pswd

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/student/home.php



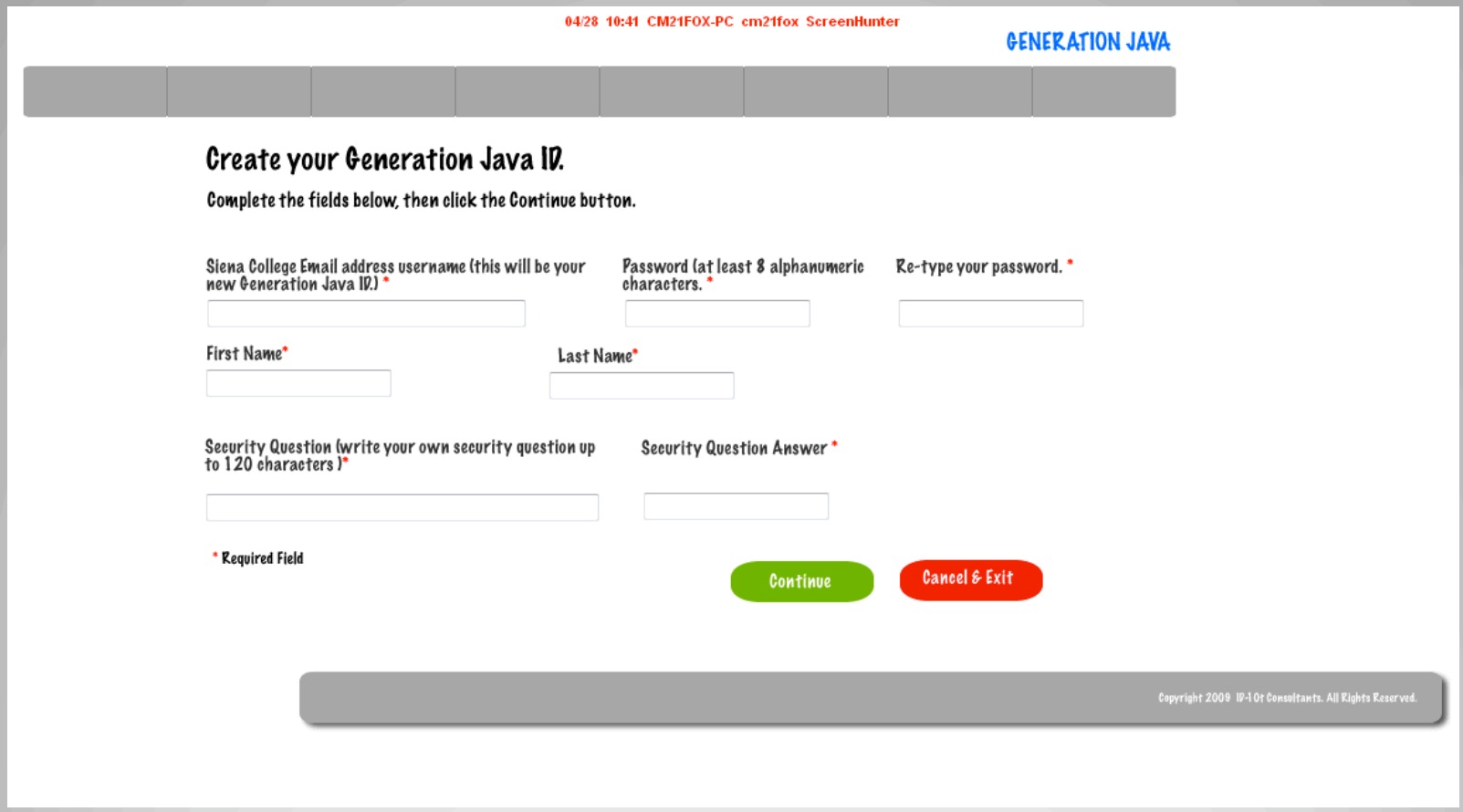
Generation Java – Std. Home Pg.

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/instructor/home.php



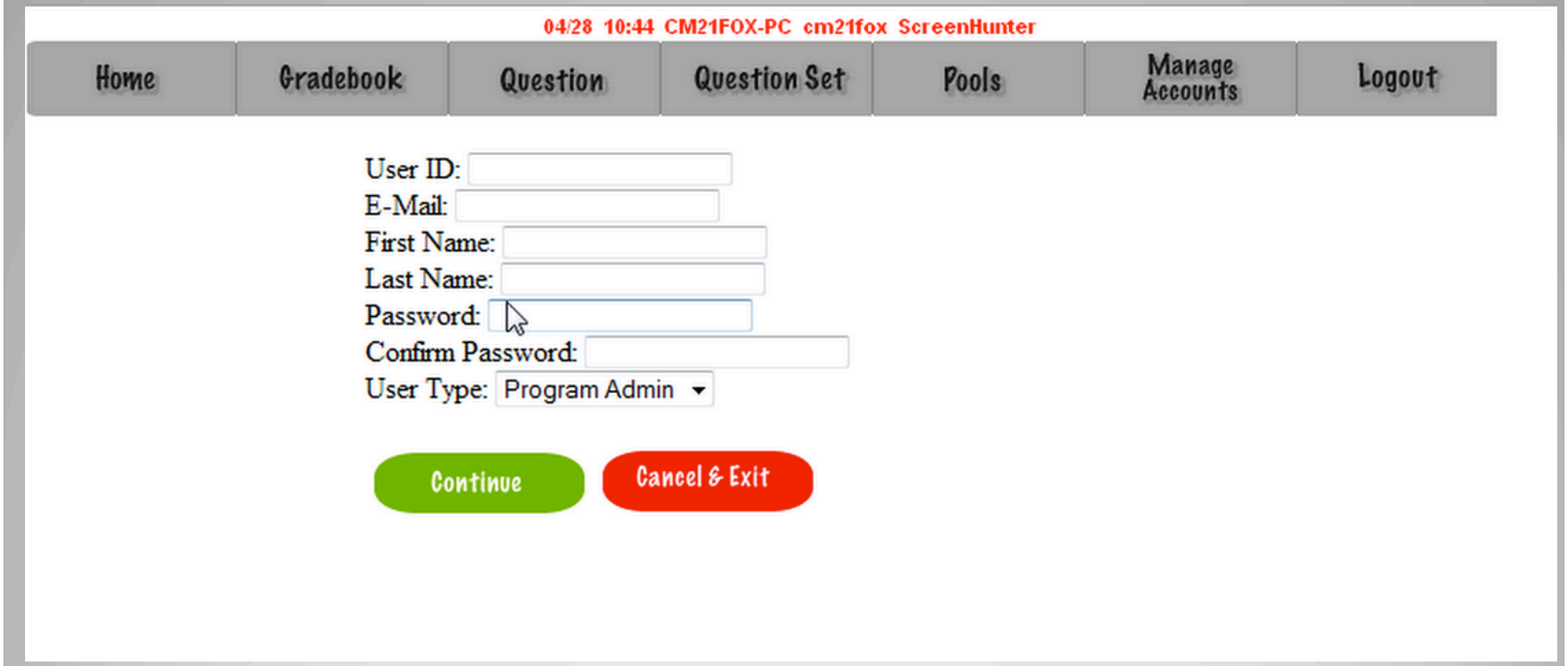
Generation Java – Home Pages

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/create_acct.php



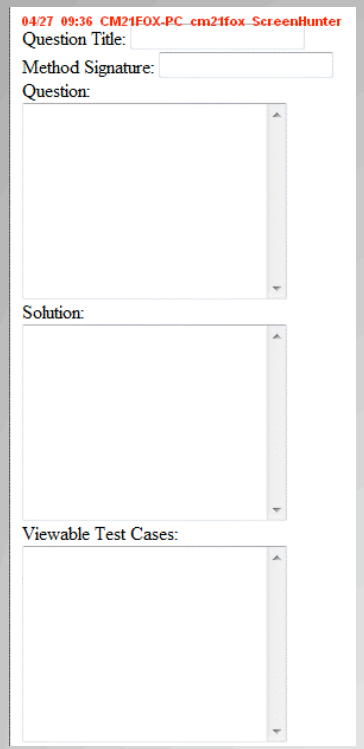
Gen Java – Create Acct – Std.

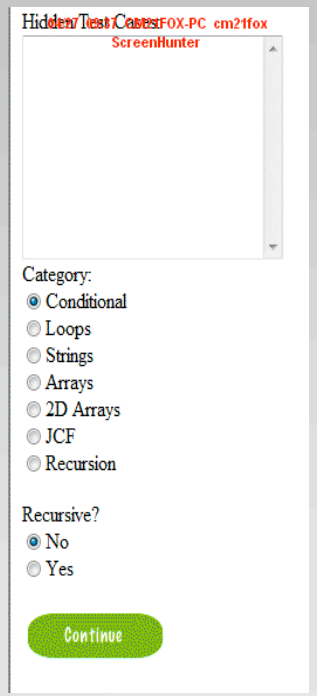
http://oraserv.cs.siena.edu/~perm_idiot/gen_java/sys_admin/create_acct_sysadm.php



Create Account – Sys Admin

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/sys_admin/create_qst.php



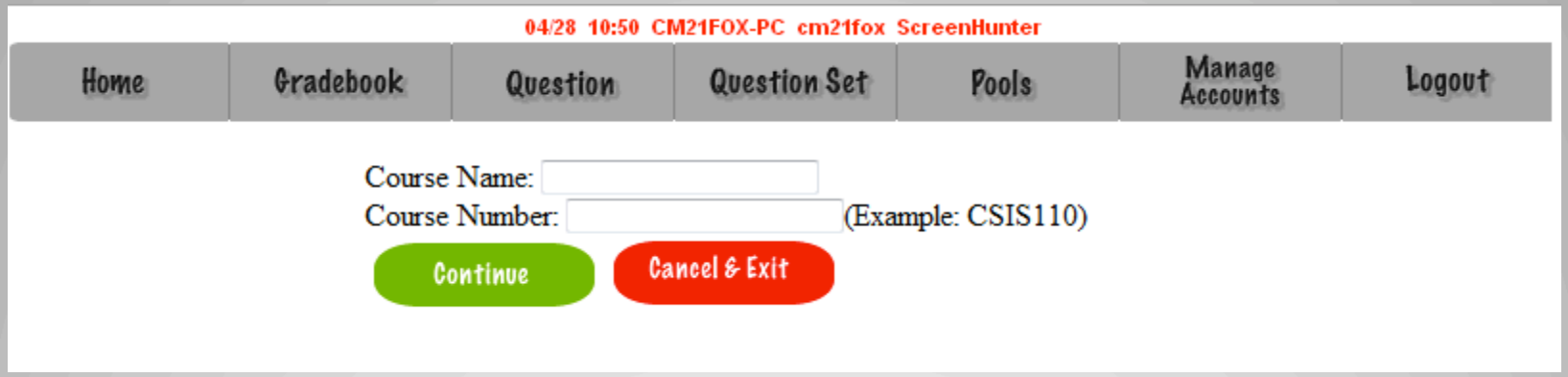


Gen Java – Create Question

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/student/answer_qst.php

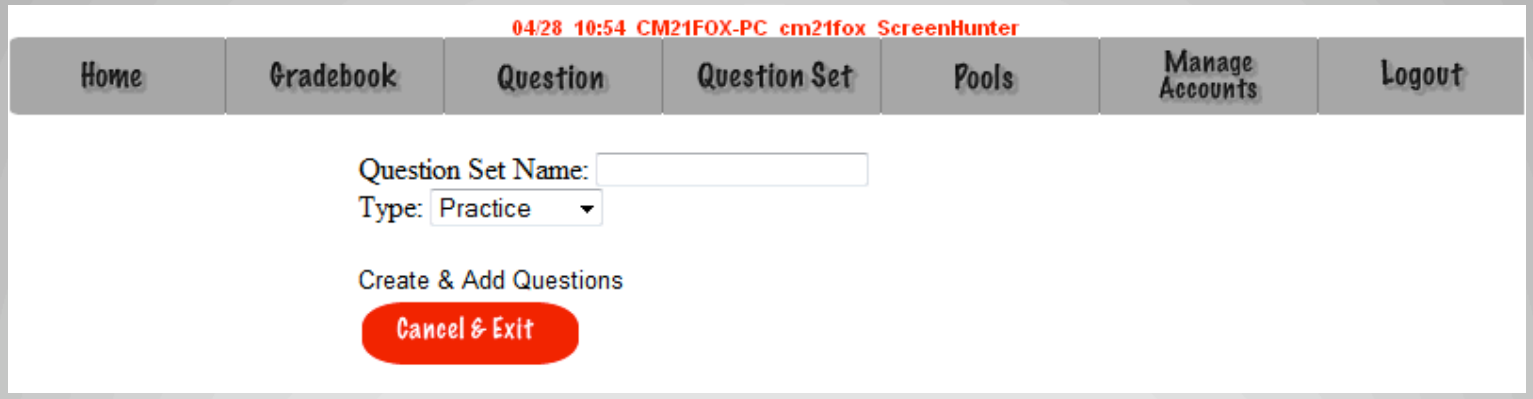
Gen Java – Std. Answer Qst.

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/sys_admin/create_course.php



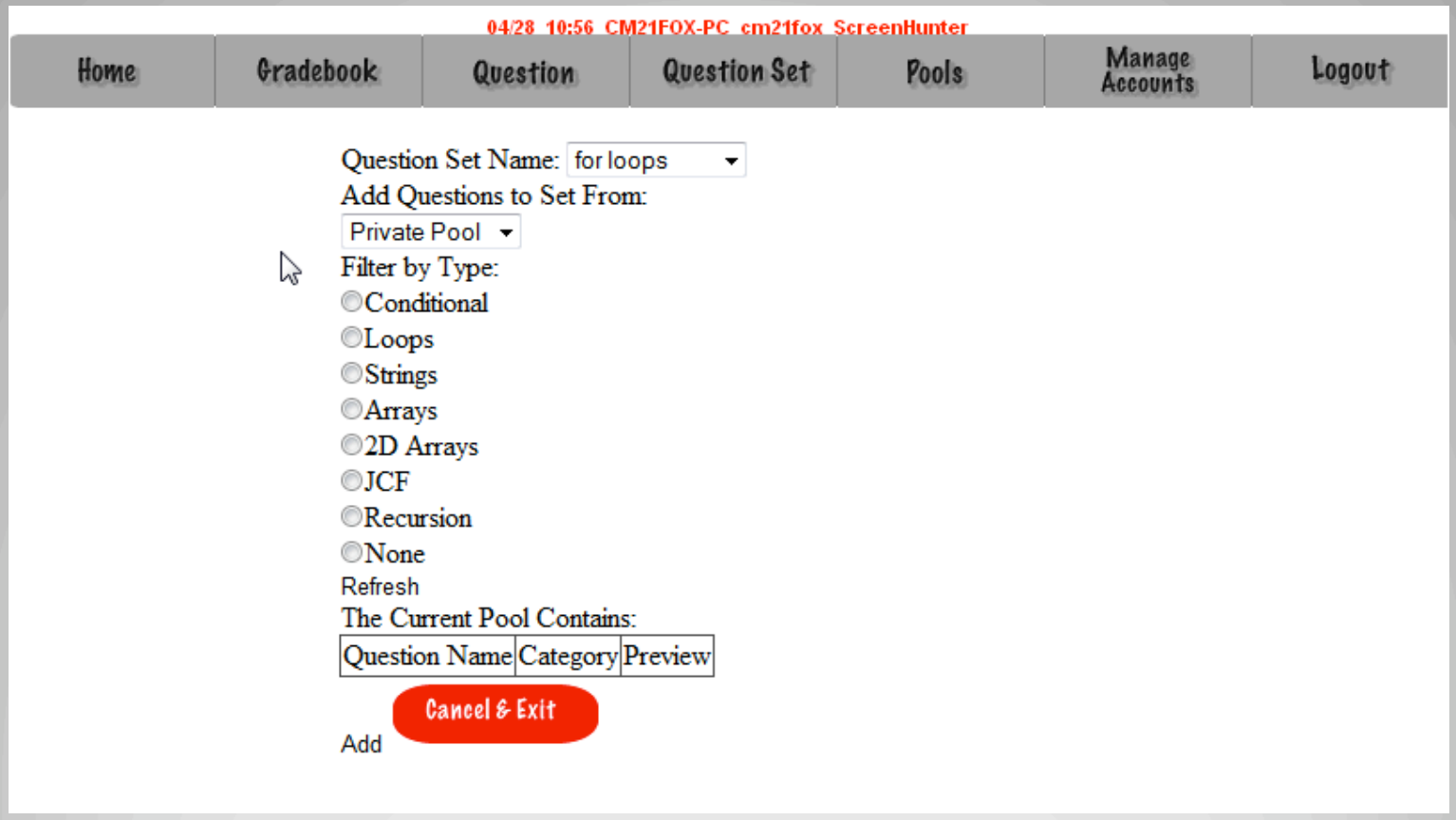
Create Course – Sys Admin

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/question/create_qst_set.php



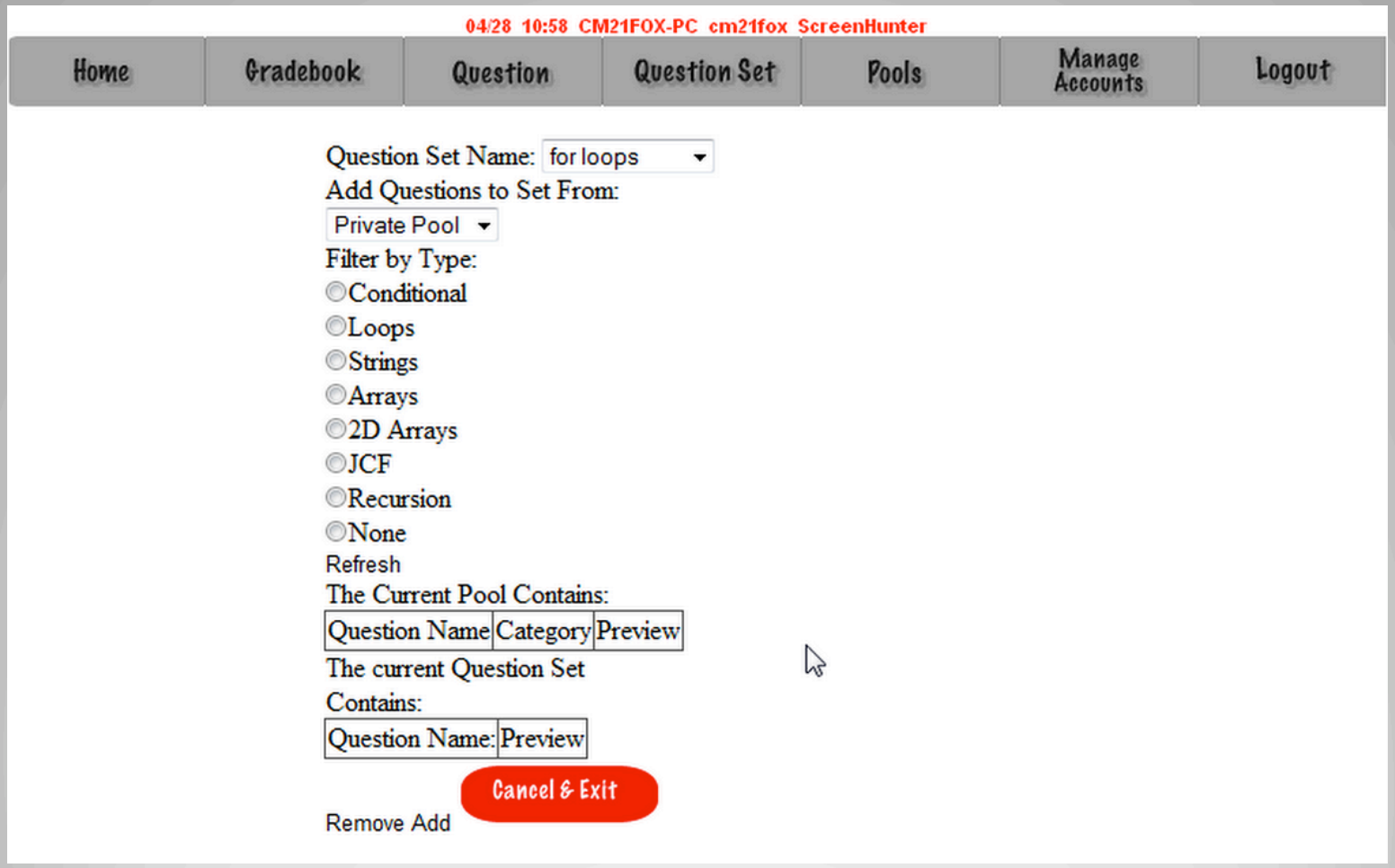
Create Question Set

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/question/add_qst_set.php



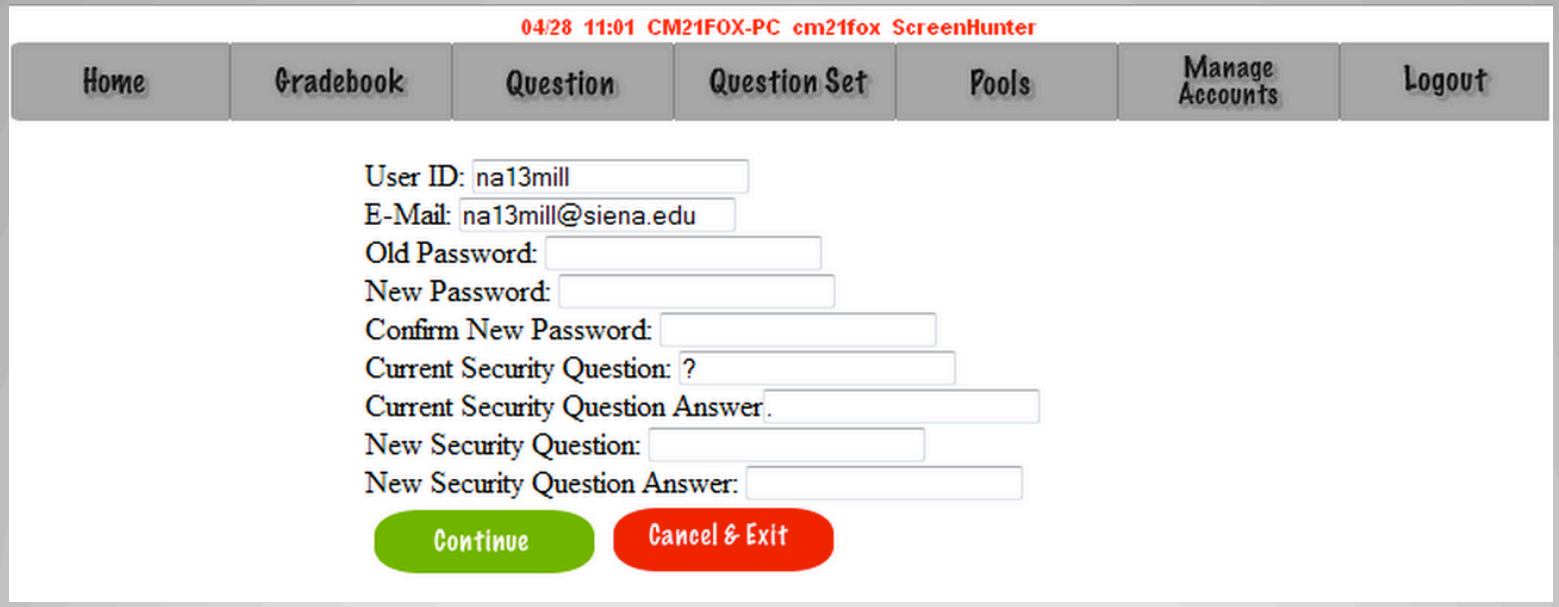
Adding Questions to Set

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/question/edit_qst_set.php



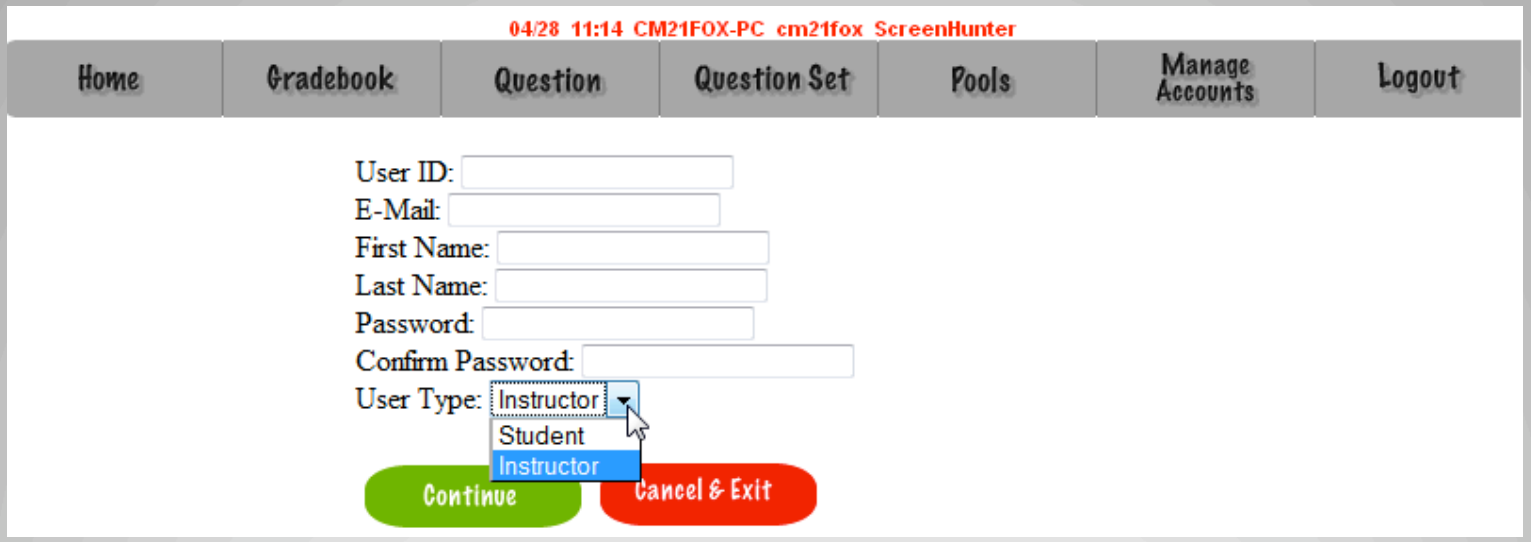
Edit Question Set

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/student/edit_acct.php



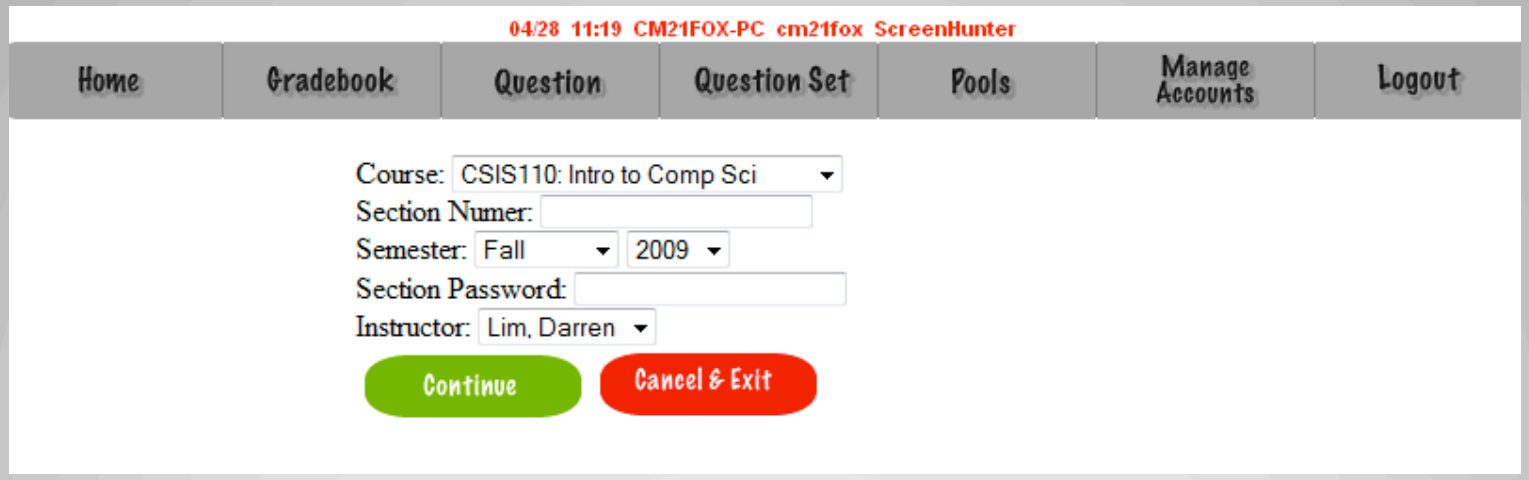
Account Management – All Users

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/prg_admin/create_acct_prgadm.php



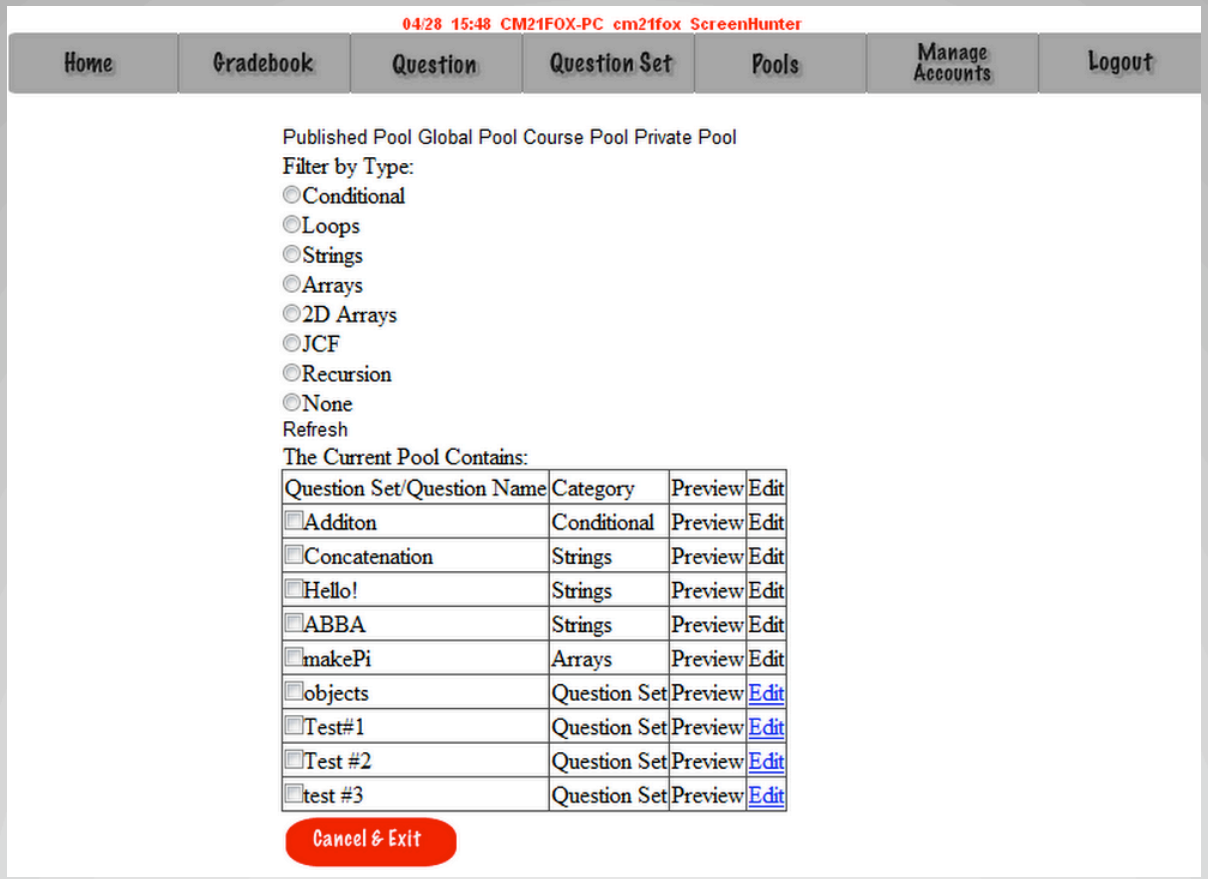
Prg Admin – Create User Accts

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/sys_admin/create_section.php



Create Course Section

http://oraserv.cs.siena.edu/~perm_idiot/gen_java/pool/home.php



Generation Java - Pools

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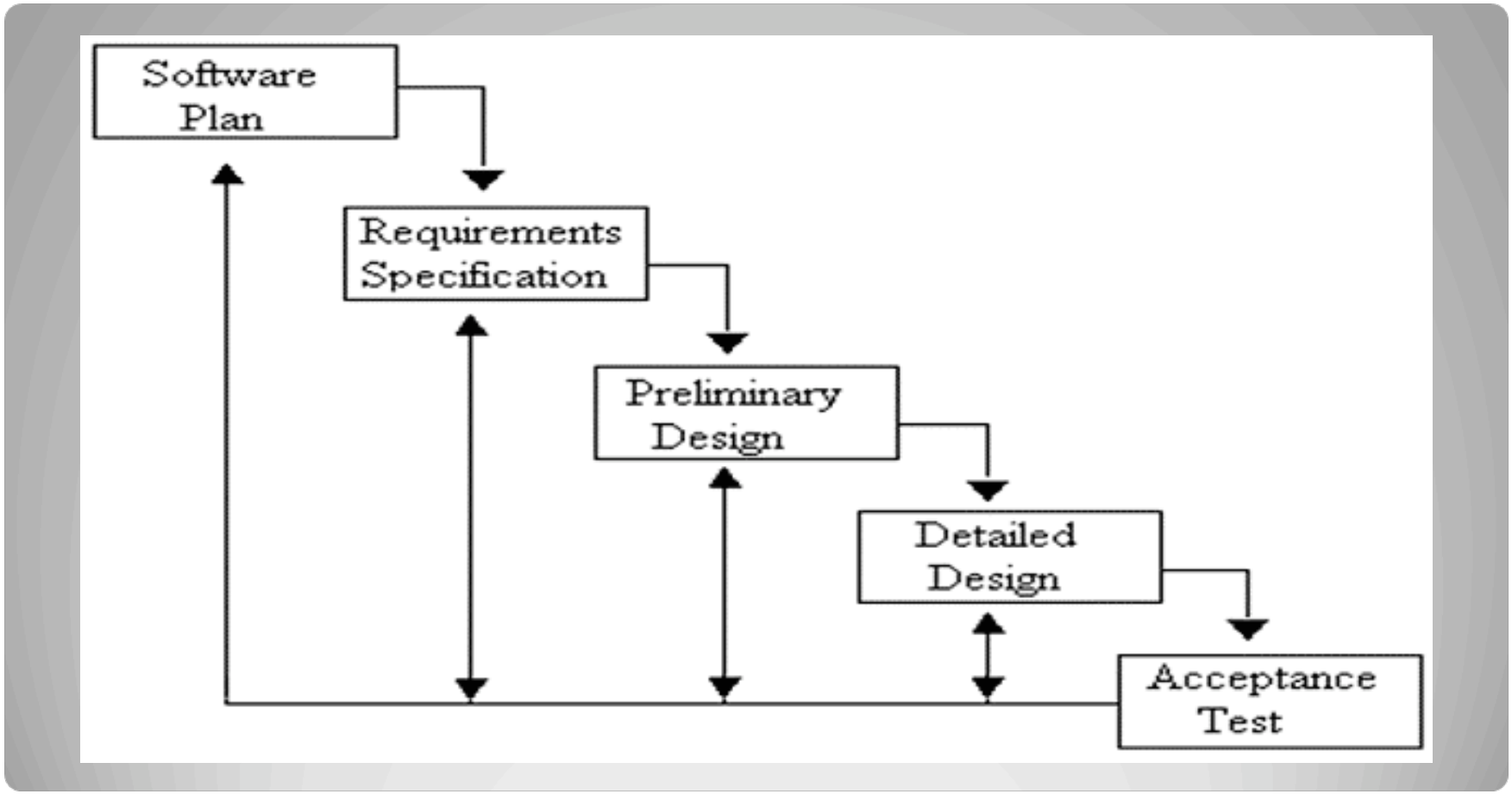

Waterfall (Linear) Model

Project Management & Development Model

Thank You

You are Cordially Invited to the Software Engineering Party on May 4th
8 – 11pm in RB 340

- mysql -u perm_idiot --password=loot+nurse_stab perm_idiot