

## Project Summary:

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This project is a combination system of course enrollment system, grade management system, email notification system and Java program online judgment system. When logging into the system, there are three entries: professor, admin and student/TA. Each entry leads to different views and functionalities.

### **Professor entry:**

This is the main entry for this system. After login in this entry, professor will see a list of all sessions he/she is involved. Professor can search a session, create new sessions or modify these sessions. When selecting a particular session, the table of all the students enrolled in that session with their grades will come out. Adding new students, adding new columns or attributes, such as midterms, quizzes and assignments, and editing the final grader formula are allowed here.

### **TA entry:**

This entry is used for TA to update the students' grades. When login as a TA, the list of all the courses involved as a TA will come out. After selecting a particular session, TA can update the data in the grades table immediately.

### **Student entry:**

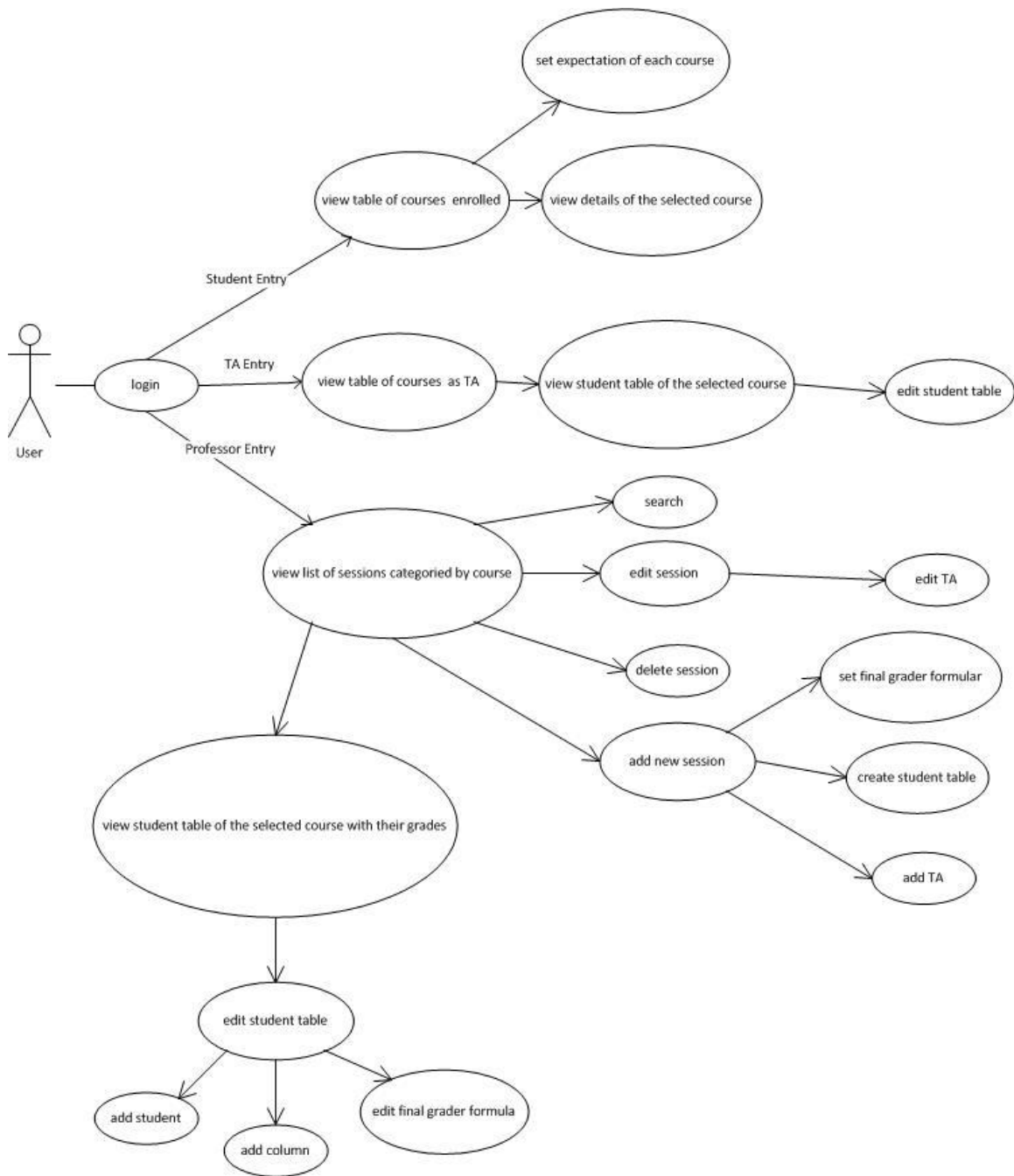
This entry is for students to view their grades and check whether they reach their expectation. When login as a student, a list of all the courses this student is involved will appear. After selecting a particular course, student can view his/her grades and set their expectation for this course. The purpose to set the expectation is to help students know how far they are to reach a particular academic goal.

### **Admin entry:**

This entry is used for the administrator to manage the system. When login as the admin, the list of all the connections will come out. The administrator can break the particular connections, add new people and manage the semesters.

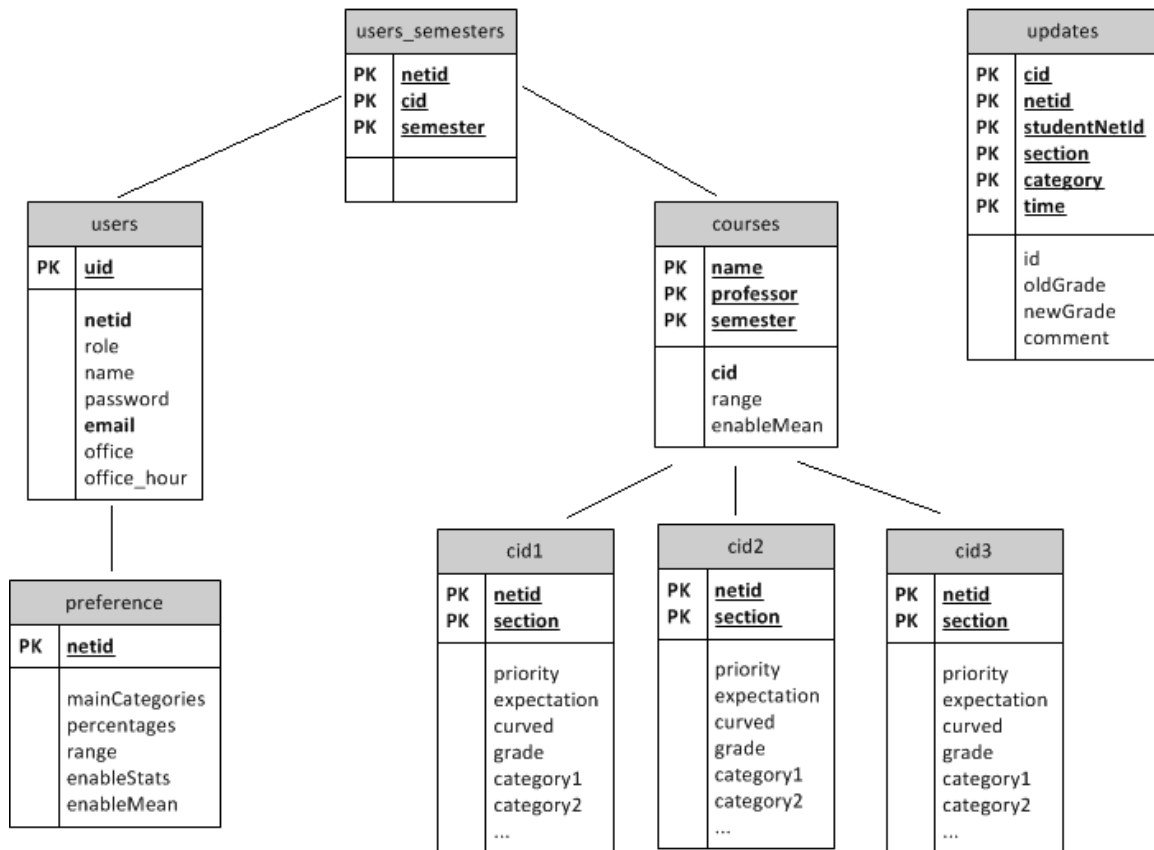
## Use Case Diagram:

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## Database Structure:

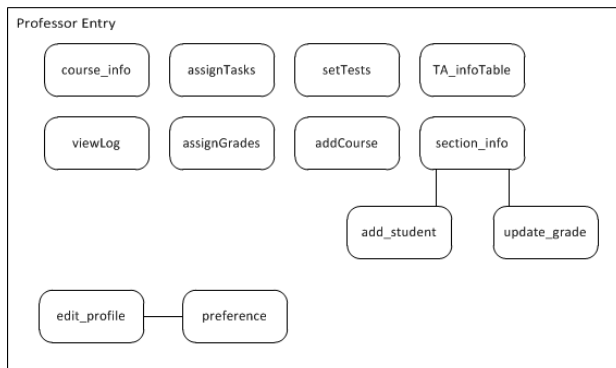
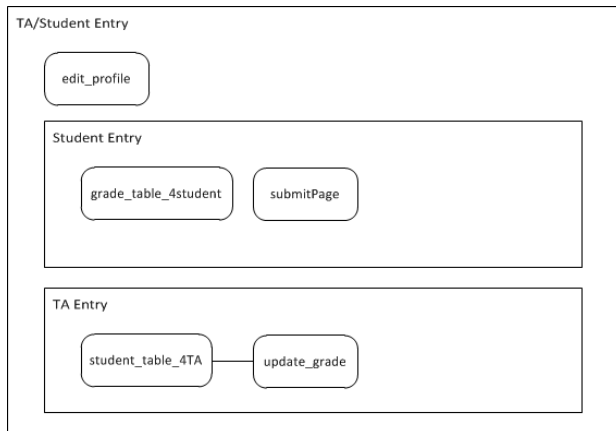
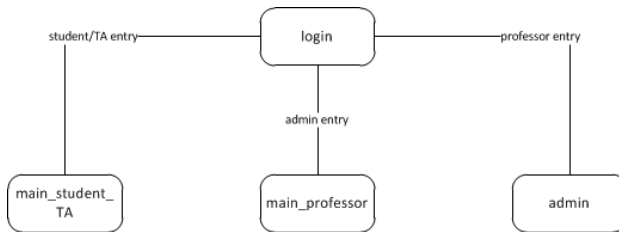
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Note: all the course tables are generated dynamically and use a particular cid as the course name.

## Site Map:

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# User Manual:

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add\_student:

[courses](#) [edit profile](#) [Log out](#)

[Add Multiple Students](#) [Add Single Student](#)

**Add Multiple Student**

upload:  No file chosen

**Format:**

line 1: [stony brook id1],[netid1]  
line 2: [stony brook id2],[netid2]  
...

[back to section page](#)

[courses](#) [edit profile](#) [Log out](#)

[Add Multiple Students](#) [Add Single Student](#)

**Add Single Student**

Full Name:

NetID:

Section:

[back to section page](#)

addCourse:

courses

edit profile

Log out

load preference

Grade Formula:

Course Name:

[add new category](#)

Grade Range:

A

 - 

A

Enable + and - (such B+ and B-)

Score

Percentage

A -

F -

Statistics

Enable mean for students

finish

cancel

admin:

main page

edit profile

log out

Connections

Semesters

People

View Current Users

netid	role	ip	last access time	pin	
admin	admin	127.0.0.1	2014-05-19 05:21:28	ac0b43bf-d0bb-4afe-9d44-17e34dc14f5c	<a href="#">break connection</a>

refresh

remove user from the server connections, so this user needs to re-login to continue his/her activity

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[main page](#)   [edit profile](#)   [log out](#)

[Connections](#) | [Semesters](#) | [People](#)

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#### Add New Semester

[submit new semester](#)

#### Set Current Semester

[set](#)

---

[main page](#)   [edit profile](#)   [log out](#)

[Connections](#) | [Semesters](#) | [People](#)

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#### Add New Person

Stony Brook ID:

Full Name:

Role:

NetID:

Email:

[submit new person](#)

Search Person:   [search](#)

assignGrades:

**E1**

☐ by course ☒ by section  
note1: coefficient should be larger than 1  
note2: coefficient should increase along with difficulties  
Section 1:

if by section, then the scores will be multiplied by the coefficient

**H1**

☒ by course ☐ by section

**H2**

☒ by course ☐ by section

**H3**

☒ by course ☐ by section

**H4**

☒ by course ☐ by section

**H5**

☒ by course ☐ by section

**Q1**

☒ by course ☐ by section

**Q2**

☒ by course ☐ by section

**Q3**

☒ by course ☐ by section

assignTasks:



### E1 - Exam

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

after clicking the date,  
this will appear.

### E2 - Exam

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

### H1 - Homework

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

### H2 - Homework

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

### H3 - Homework

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

### H4 - Homework

download button for this category

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

### H5 - Homework

Due Time:  :  :  [reset](#)

Upload File:  No file chosen

[back to main page](#)

May, 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7
Today Clear						

course\_info:

### Grade Formula:

Course Name:

Main Category	<input type="text" value="Exam"/>	<input type="text" value="67"/>	%	<a href="#">add new sub-category</a>	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>
Sub Category	<input type="text" value="E1"/>	<input type="text" value="19"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="E2"/>	<input type="text" value="19"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="E3"/>	<input type="text" value="29"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Main Category	<input type="text" value="Homework"/>	<input type="text" value="24.5"/>	%	<a href="#">add new sub-category</a>	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>
Sub Category	<input type="text" value="H1"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H2"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H3"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H4"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H5"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H6"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="H7"/>	<input type="text" value="3.5"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Main Category	<input type="text" value="ML"/>	<input type="text" value="1.5"/>	%	<a href="#">add new sub-category</a>	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>
Main Category	<input type="text" value="RE"/>	<input type="text" value="6"/>	%	<a href="#">add new sub-category</a>	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>
Main Category	<input type="text" value="Quiz"/>	<input type="text" value="3"/>	%	<a href="#">add new sub-category</a>	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>
Sub Category	<input type="text" value="Q1"/>	<input type="text" value="0.75"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="Q2"/>	<input type="text" value="0.75"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="Q3"/>	<input type="text" value="0.75"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	
Sub Category	<input type="text" value="Q4"/>	<input type="text" value="0.75"/>	%	<input type="checkbox"/> Enable Statistics	<a href="#">delete</a>	

[add new category](#)

### Grade Range:

-  ☒ Enable + and - (such B+ and B-)

☒ Score ☐ Percentage

A	<input type="text" value="94"/>	-	<input type="text" value="100"/>
A-	<input type="text" value="90"/>	-	<input type="text" value="93"/>
B+	<input type="text" value="87"/>	-	<input type="text" value="89"/>
B	<input type="text" value="83"/>	-	<input type="text" value="86"/>
B-	<input type="text" value="80"/>	-	<input type="text" value="82"/>
C+	<input type="text" value="77"/>	-	<input type="text" value="79"/>
C	<input type="text" value="73"/>	-	<input type="text" value="76"/>
C-	<input type="text" value="70"/>	-	<input type="text" value="72"/>
D+	<input type="text" value="67"/>	-	<input type="text" value="69"/>
D	<input type="text" value="63"/>	-	<input type="text" value="66"/>
D-	<input type="text" value="60"/>	-	<input type="text" value="62"/>
F	<input type="text" value="0"/>	-	<input type="text" value="59"/>

### Statistics

☐ Enable mean for students

edit\_profile:

[courses](#)[edit profile](#)[log out](#)

Full name:Ahmad Esmaili

NetID:esmaili

[change password](#)

Current Password:

New Password:

Re-type New Password:

[submit new password](#)[cancel](#)

this will show up by clicking "change password"

Email:esmaili@cs.sunysb.edu

[update email address](#)

New Email Address:

Re-type Email Address:

[submit new email](#)[cancel](#)

this will show up by clicking "update email address"

Office:tbd

Office Hour:tbd

[preference](#)

only for professor

grade\_table\_4student:

[courses](#)[edit profile](#)[Log out](#)

Course Info

	name	email	office	office hour
Professor	Ahmad Esmaili	esmaili@cs.sunysb.edu	tbd	tbd
TA	testT	cse523to3@gmail.com	tbd	tbd

Grade Table

Show Categories: ☒ Exam ☒ Homework ☒ ML ☒ RE ☒ Quiz

name	E1	E2	E3	H1	H2	H3	H4	H5	H6	H7	ML	RE	Q1	Q2	Q3	Q4	total score	curved score	grade
Yimin Zhu	85	86	107	125	81	102	108	98	111	88	100	6				80	90.93	96.9	A

Expected Grade:

[student](#)

Grade Formula: Exam 67% (E1 19%, E2 19%, E3 29%), Homework 21% (H1 3.5%, H2 3.5%, H3 3.5%, H4 3.5%, H5 3.5%, H6 3%, H7 3.5%), ML 1.5%, RE 6%, Quiz 0% (Q1 0.75%, Q2 0.75%, Q3 0.75%, Q4 0.75%)

Grade Range: A(94-100),A-(90-93),B-(87-89),B(83-86),B-(80-82),C-(77-79),C(73-76),C-(70-72),D-(67-69),D(63-66),D-(60-62),F(0-49),

[open simulation table](#)

[back to main page](#)

login:

User Login

Username:

Password:

Login

main\_professor:

courses

edit profile

Log out

spring2014

change semester

CSE214

class policy

assign tasks

set test cases

TA table

view update log

assign grades

delete

section 1

delete

section 2

delete

section 3

delete

section 4

delete

section 5

delete

add new section

CSE102

class policy

assign tasks

set test cases

TA table

view update log

assign grades

delete

section 1

delete

add new section

CSE230

class policy

assign tasks

set test cases

TA table

view update log

assign grades

delete

section 1

delete

add new section

add new course

main\_student\_TA:

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[courses](#)   [edit profile](#)   [Log out](#)

**TA Sections:**

CSE214   [section 1](#)   [section 2](#)   [section 3](#)   [section 4](#)   [section 5](#)

**Student Sections:**

test   [section 1](#)   [submit page](#)

preference:

---

[courses](#)   [edit profile](#)   [Log out](#)

**Grade Formula:**

Main Category:   %   ☐ Enable Statistics   [delete](#)

Main Category:   %   ☐ Enable Statistics   [delete](#)

Main Category:   %   ☐ Enable Statistics   [delete](#)

Main Category:   %   ☐ Enable Statistics   [delete](#)

Main Category:   %   ☐ Enable Statistics   [delete](#)

[add new category](#)

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**Grade Range:**

-    ☐ Enable + and - (such B+ and B-)

☐ Score   ☒ Percentage

A    %

B    %

C    %

D    %

F    %

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**Statistics**

☐ Enable mean for students

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section\_info:

[courses](#)[edit profile](#)[Log out](#)

Student Table

Show Categories: ☒ Exam ☒ Homework ☒ Quiz

rank	netid	name	E1	H1	H2	H3	H4	H5	Q1	Q2	Q3	current score	curved score	final grade
1	akbaruah	Akira Kris Baruah	99	90	107	130	118	100	94	97	100	101.90	102.55	A
2	xushen	Xuanru Shen	98	108	106	137	125	100	86	79	100	101.12	101.77	A
3	milü	Ming Liu	96	114	99	137	100	100	95	95	100	101.10	101.75	A
4	boakley	Brian Oakley	92	104	109	137	125	100	96	88	100	100.85	101.5	A
5	hdan	Hongyi Dan	95	102	90	137	124	125	82	84	100	100.31	100.96	A
6	dfchu	David Frank Chu	96	100	108	137	85	100	91	89	100	98.70	99.35	A
7	smassaro	Steven J Massaro	96	98	98	130	100	100	86	84	100	97.42	98.07	A
8	gmagdits	Gregory Scott Magdits	99	97	106	100	91	100	91	84	100	96.73	97.38	A
9	geci	Gabriel Alexan Cei	86	103	108	130	122	110	69	89	100	96.01	96.66	A
10	xiaozhang	Xiaohan Zhang	96	107	108	130	125	100	100		100	93.50	94.15	A
11	doliveirader	Damare Crysti Oliveira De Res	92	111	104	100	81	100	81	84	100	93.42	94.07	A
12	brili	Brian Li	85	101	86	92	85	125	86	92	100	91.78	92.43	A
13	gihwang	Giyeop Hwang	97	71	110	137	80	125	96		100	90.16	90.81	A
14	wye	Weicheng Ye	95	104	0	107	90	125	94	76	100	90.07	90.72	A
15	sheshah	Sheryar Shah	74	104	102	130	98	100	85	71	100	88.88	89.53	B
16	kmatyi	Kevin Edward Matyi	93	88	83	60	115	90	86	72	100	88.87	89.52	B
17	shealey	Sean Douglas Healey	91	78	80	75	85	100	84	80	100	87.51	88.16	B
18	spmeege	Stephen P McGee	83	104	90	120	84	100	59	74	100	87.21	87.86	B
19	mluuzzi	Michael Liuzzi	80	102	108	105	80	90	69	68	100	85.65	86.3	B
20	acamargo	Andres Camargo	81	70	85	100	90	95	69	85	100	84.55	85.2	B
21	rjmondello	Raymond Joseph Mondello	78	85	95	95	0	100	86	87	100	80.85	81.5	B
22	bquiros	Brandon Quiros	97	101	95		122	125	63	88		80.06	80.71	B
23	slu	Shan Liu	94	94	0	120	85	100	94	93		79.53	80.18	B
24	drlevin	David Reuven Levin	73	60	80	80	70	85	69	91	100	77.80	78.45	C
25	amiahmed	Amir Ahmed	47	101	84	120	120	60	79	67	100	75.00	75.65	C
26	jroque	Joseph Louis Roque	86	64	80		60	50	81	87	100	74.68	75.33	C
27	tkaralar	Tugce Karalar	73	70	80	80	80	55	61	67	100	73.90	74.55	C
28	kpiao	Kang Piao	90	101	85	100		100	62	81		72.82	73.47	C
29	bhufsmith	Brian David Hufsmith	92	101	103	95		125	82			70.08	70.73	C
30	slin	Sun Lin	0	105	109	137	123	125	76	93	100	68.83	69.48	D
31	tbdhadar	Trevor Latchma Bidhadar	83	91	95	98	0	100	57	65		68.13	68.78	D
32	hgoldwurm	Henrick Steele Goldwurm	73	90		95	80	100	69	92		67.20	67.85	D
33	scao	Sheng Cao	91	102	110	90	100	100				66.99	67.64	D
34	drances	David Bryan Rances	76	1	80	86	80	95	69	85		65.94	66.59	D
35	mwilson	Michael Charle Wilson	89	106	107	125	98	60				65.87	66.52	D
36	jooyelee	Joo Yeon Lee	73	93	77		80	20	55	45	100	64.45	65.1	D
37	jetseng	Jeffrey Tseng	72	70		70	62	50	49	61	100	63.84	64.49	D
38	gschmid	Gregory Schmid	97	73	95	90		60		75		63.71	64.36	D
39	rcollado	Robinson Collado	88	58	83	125	80	50				58.52	59.17	F
40	jmcntee	Jason Anthony McEntee	72	91	90	75	81	100				55.79	56.44	F
41	mwolski	Marcin Stefan Wolski	85	101	83		0	55		92		55.68	56.33	F
42	tpoberli	Thomas Paul Oberli	54	83	99	75	61	40			100	53.96	54.61	F
43	jwtat	Jack William Tat	54	98	70				79	84		46.96	47.61	F
44	jlin	Jingkai Lin	75	1		10	60					31.22	31.87	F
45	wenlei	Wenyuan Lei	47	1						77		24.22	24.87	F
46	tcorcoran	Thomas Corcoran	68	1								23.87	24.52	F
47	akarakas	Ayla Ida Karakas		75								5.25	5.9	F
48	jwgoodbody	Joel William Goodbody		62								4.34	4.99	F
49	zaugi	Zachary Augi		1								0.07	0.72	F
average			81.54	82.37	89.93	105.05	86.12	91.43	78.61	81.14	100.00			

[add new student](#)[update grade](#)

edit category: 

category

submit changes

cancel

edit one category each time

delete student: 

student name(netid)

delete

Download Files: 

E1

download

download all students' files for one category

[back to main page](#)

setTests:

[courses](#)

[edit profile](#)

[Log out](#)

Choose File

No file chosen

Upload File

**Format:**

line 1: [subCategory]\_[mainCategory],[amount of parameters]  
**note:** if no subCategory, then line 1: [mainCategory],[amount of parameters]  
line 2: [type of parameter 1]  
line 3: [type of parameter 2]  
line 4: [type of return value]  
line 5: +[percentage of test case 1]  
line 6: [value of parameter 1]  
line 7: [value of parameter 2]  
line 8: [return value]  
line 9: +[percentage of test case 1]  
line 10: [value of parameter 1]  
line 11: [value of parameter 2]  
line 12: [return value]  
...

student\_table\_4TA:

**Student Table**

Show Categories: ☒ Exam ☒ Homework ☒ ML ☒ RE ☒ Quiz

netid	name	E1	E2	E3	H1	H2	H3	H4	H5	H6	H7	ML	RE	Q1	Q2	Q3	Q4	curved score	grade
akwok	Antony J Kwok	84	98	135	97	100	92	100	93	100	102	31	6	85	85	85	100	107.12	A
atzhang	Alexander T Zhang	68	85	110	100	100	82	97	99	110	94	100	6.3	100	85	93	100	95.51	A
bbiegner	Brian Biegner	77	90	90	100	90	78	93	89	91	43	80	6	100	85	85	100	88.57	B
bcassinera	Bryan William Cassinera	40	39	49	97	38	65	21				35	6	70		55	100	45.49	F
bhauser	Bryan Douglas Hauser	60	48	88	98	100		67	73	92	63	2	6	100	95	40	100	72.16	C
chechi	Cheryl Chi	82	73	92	112	100	98	98	76	100	108	22	5.5					86.97	B
daspark	Dasom Park	84	91	96	128	90	78	98	78	100	90	0	5.8	85	50	85	100	92.97	A
gnikonorov	Gleb Nikonorov	81	70	102	122	117	94	100	95	110	104	100	6	100	85	78	100	94.78	A
jdosullivan	James Duffy OSullivan	88	88	106	125	112	82	100	82	100	77	0	5.8	100	100	70	100	96.99	A
jtmichelson	Jason Tyler Michelson				0							0	1.5					6.05	F
kewoo	Ken Woo	87	96	112	100	100	88	100	100	100	104	100	6.8	100	100	100	100	102.34	A
kqian	Kun Qian	80	75	149	115	100	94	100	100	100	96	100	5	100		100		106.6	A
micwang	Michael Wang	76	96	131	100	100	97	98	100	100	109	100	6.5	100	100	100	100	106.16	A
minlin	Minghui Lin	77	82	108	100	112	105	108	105	112	118	100	6.3	85	85	80	100	98.59	A
mtopchishvil	Michael Topchishvili	77	74	78	106	84	68	72	74	100	58	0	6	100	100		100	79.55	C
npanov	Nicolas Panov	76	67	89	86	90	91	72	68	100		97	5.5	100	100		100	80.72	B
rzelnick	Rimack Moreira Zelnick	81	88	106	125	112	107	110	100	111	93	100	7	100	100	85	97	100.13	A
sati	Saket Sri Ram Ati	88	90	126	100	100	91	99	100	100	95	100	6	100	70	85		104.07	A
shanchen	Shanshan Chen	85	96	107	115	100	94	100	80	100	88	100	5.5	100	85	100	100	99.79	A
slu	Shi Lin Lu	71	78	71	88	100	89	72	71	97	60	50	6	85	100	85		78.19	C
smsaleh	Shakeeb Mohamm Saleh	82	94	125	110	112	74	108	96	110	94	100	7	100	100	100	100	105.21	A
tlora	Timothy Daniel Lora	80	87		98	94		72	74	83	12	75	5.5	85	100	85		56.33	F
wochoi	Won Jong Choi	79	74	109	97	100	74	72	72	97	5	15	5.6	85	85	70		87.1	B
yaokim	Yang O Kim				95	79						0	1					12.11	F
yimzhu	Yimin Zhu	85	86	107	125	81	102	108	98	111	88	100	6			80		96.9	A
yiswang	Yishuo Wang	90	95	118	115	100	0	97	100	109	115	100	6.8	100	100	93	100	102.45	A
yuezhao	Yue Zhao	80	82	141	100	100	84	100	100	100	95	100	6.7	100	100	100	100	106.3	A

mode:  selected category:   [update grade](#)

Download Files:

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### [E1 - Exam](#)

Due Time: \_\_\_\_\_ if no due dates or already passed due dates, then it  
Upload File: \_\_\_\_\_ is unable to upload files

### [E2 - Exam](#)

Due Time:

Upload File:

download lated uploaded file

### [E3 - Exam](#)

Due Time:

Upload File:

### [H1 - Homework](#)

Due Time:

Upload File:

### [H2 - Homework](#)

Due Time:

Upload File:

### [H3 - Homework](#)

Due Time:

Upload File:

### [H4 - Homework](#)

Due Time:

Upload File:

### [H5 - Homework](#)

Due Time:

Upload File:

### [H6 - Homework](#)

Due Time:

Upload File:

### [H7 - Homework](#)

Due Time:

Upload File:

### [ML](#)

Due Time:

Upload File:

### [RE](#)

Due Time:

Upload File:

### [Q1 - Quiz](#)

Due Time:

Upload File:

### [Q2 - Quiz](#)

Due Time:

Upload File:

### [Q3 - Quiz](#)

Due Time:

Upload File:

### [Q4 - Quiz](#)

Due Time:

Upload File:

TA\_infoTable:

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### Update Grade

Section:      Section: 1

Students:     

Category:     

Old Grade:     

New Grade:     

Comment:

words: 0/200

viewLog:

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### Update Logs

time	submit netId	student netId	section	category	oldGrade	newGrade	comment
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[back to main page](#)

viewPersonInfo:

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**View Person Information**

id	name	netid	email
111111112	Ahmad Esmaili	esmaili	esmaili@cs.sunysb.edu

[back](#)