All php files, MySQL files, ER diagram is submitted in a zip along with this file
We will have done a live demo, with more detailed explanations, for this but this
file will included for references

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Installation (we can also quickly do this during the demo)
- usbwebserver v8.6 was used to run the application (download link below)
  scroll down to "download latest version v8.6"
  - http://www.usbwebserver.net/webserver/
  - extract the whole zip file into a folder
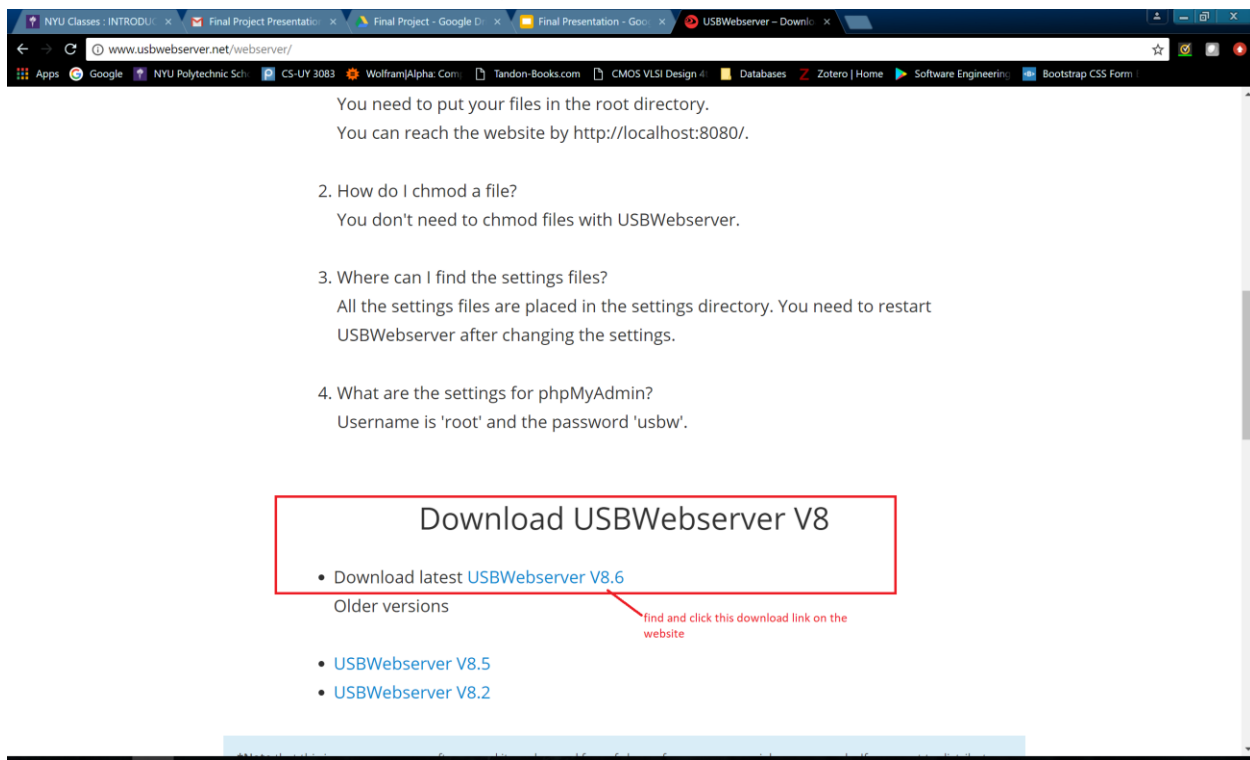
- Copy the php files into the root folder of the downloaded files and import
  the sql file into phpmyadmin once installed

- Alternatively can copy the php files and import the sql file into whatever server works for you, but that would be up to you to know where to put them
- Steps in pictures (after downloading usbwebserverv8.6):
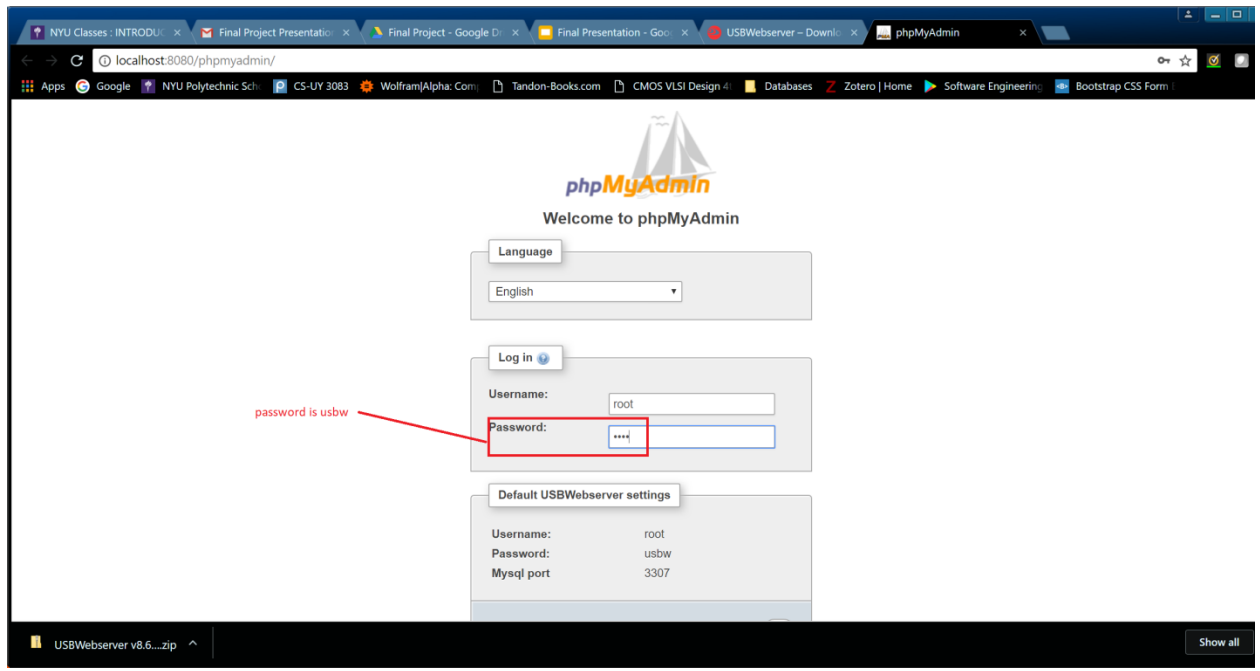 step1 (note that this is all in the downloaded zip file after extraction)
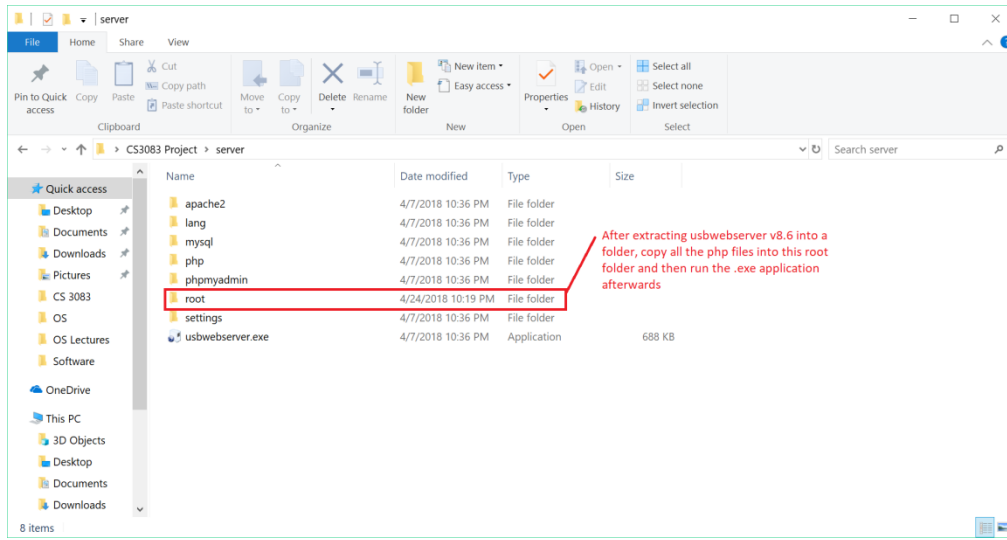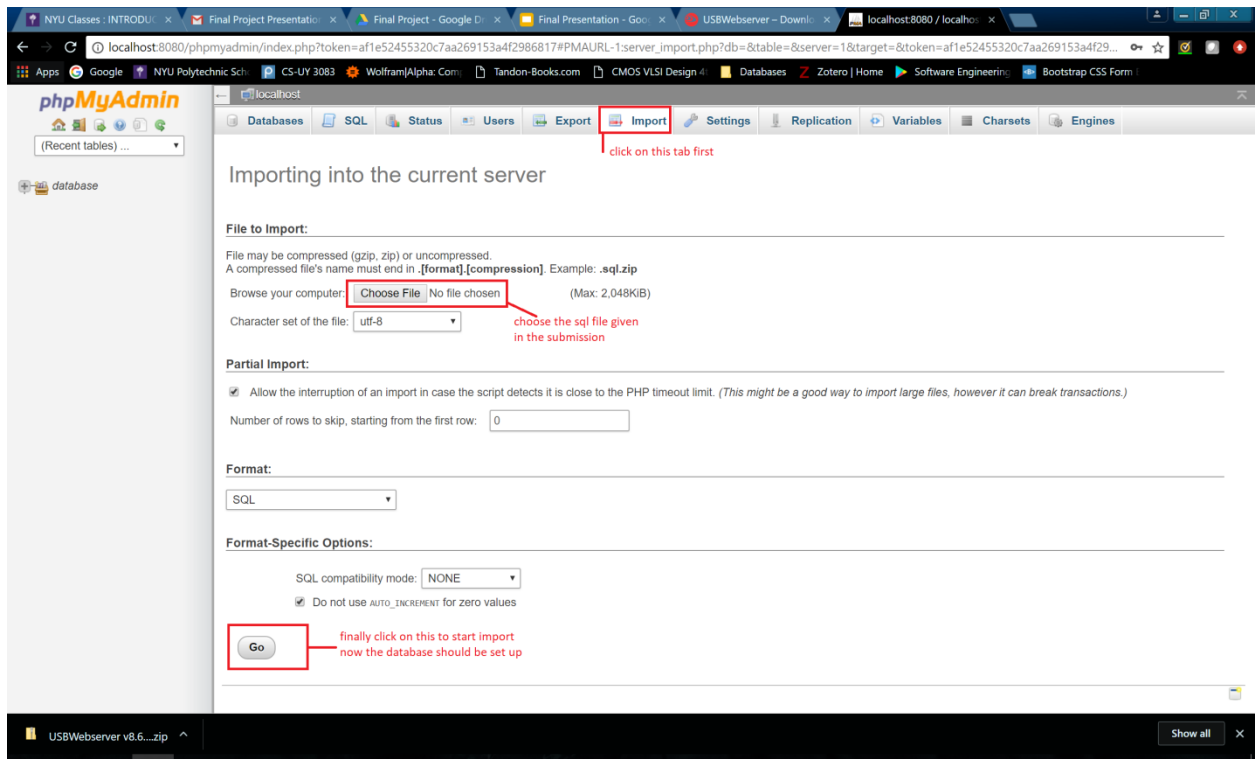

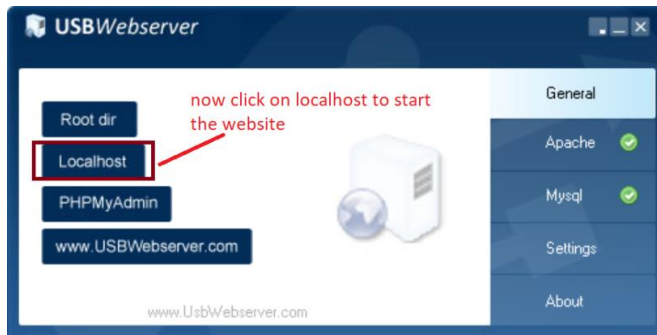step2 (this comes up after running usbwebserver.exe)

step3

step4

step5

login information
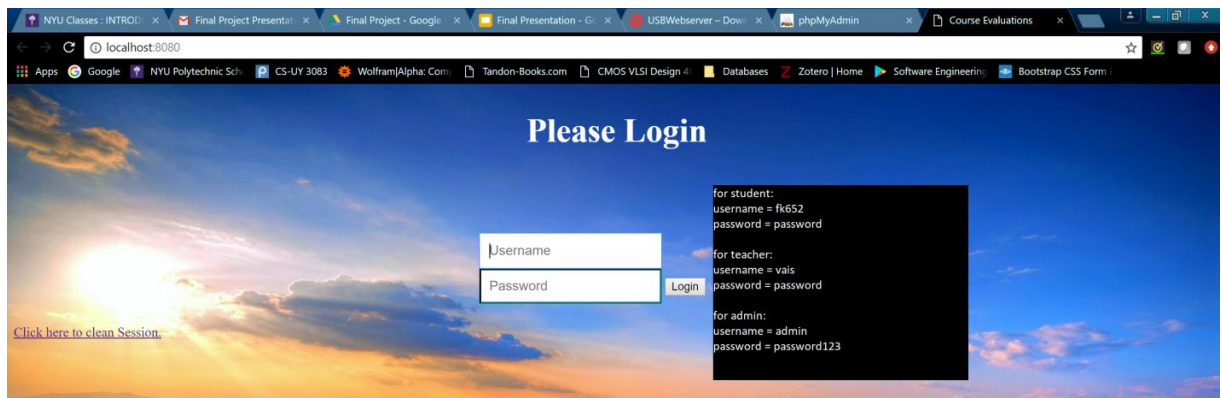
File Information:

- index.php – login screen
- db_connect.php – handles accessing the database, note that this is a header file used in other files
- logout.php – handles logout, other files will reference this when logout is needed
- session_check.php – handles session checking to prevent multiple users from logging in on the same account and to check if user is logged in before accessing parts of the website. This is also a header file referenced in other files
- evaluations.php – the course evaluation page
- report.php – the teacher's course reports page
- registration.php – used by admins to add new users to the database
- course_roster.php – used by admins to edit course roster in the database
- course_register.php – used by admins to add course to the database

<u>Project Info:</u>

- This website is hosted on a local machine NOT ON AN ACTUAL SERVER, so the website cannot be accessed anytime unless one of the team members activates it on in their laptop.
    - This project CAN run on a real high end server if needed (all we need to do is copy the files over). The reason is because we did not want to pay for a real server and had trouble making an AWS account for a free trial.
    - It is possible for many people to use the website at once and for the website to handle multiple transactions at once, note it can perform better if we bought a high end server
- The code for MySQL queries checks against SQL injections, uses input validation, and protects against other harmful hacks
- The 3 user types are students, teachers, and admins
    - We decided to add an admin type account to easily register other people, add courses, and edit course rosters.
    - There are security checks to make sure a user is logged in before accessing parts of the website
    - There are security checks to make sure the user has the right permissions before accessing parts of the site
    - A user is only active on one machine at a time, this makes sure multiple people can't be logged on the same account at the same time
    - The username is netid and a password is needed, for now only the admin can set the passwords
- **Course Evaluations**
    - The student can make a course evaluation to each of their registered classes, ONCE PER DAY PER CLASS
    - There will be a selection of classes on the bottom, only ones that are relevant to the current semester
    - By default the class the student is currently at the time will be automatically calculated and will be selected by default

- A simple grading metric of 0,1,2,3,4 can be selected (each has a legend displaying what the grade means e.g good, ok, bad, etc.)
- A comment form is available for additional comments and suggestions
- An evaluation cannot be submitted without selecting a grade, error messages will then be displayed on the screen
- All evaluations are anonymous and treated as a MySQL transaction
- To prevent a student from spamming evaluations for a class, a record is kept on when they last submitted an eval on the course roster table, so they can only submit one eval per day
- Once an evaluation is submitted the user is logged off

- **Course Reports**
  - The teacher can view course reports for every class on the same screen
  - Current semester classes will be shown first, all classes are displayed from newest to oldest
  - For each course the teacher can view:
    - Average grades for each day, shown as a table
    - A graphical (line graph) view of the average grades per day
    - A table of individual course evaluations
  - The tables have built in filters so the teacher can look at specific days, or for specific grades, or specific comment words

- Admin page
  - for easier time adding courses and users to the MySQL database
  - There is a side menu of options
    - Registration to add a new user
    - Course Registration to add a new course
    - Course Roster editing to remove or add people from a class
  - There are checks for all fields on all pages to make sure they are filled, with the exception of roster on course adding page since that can be done later

Images of the website pages for reference (in case install doesn't work out):
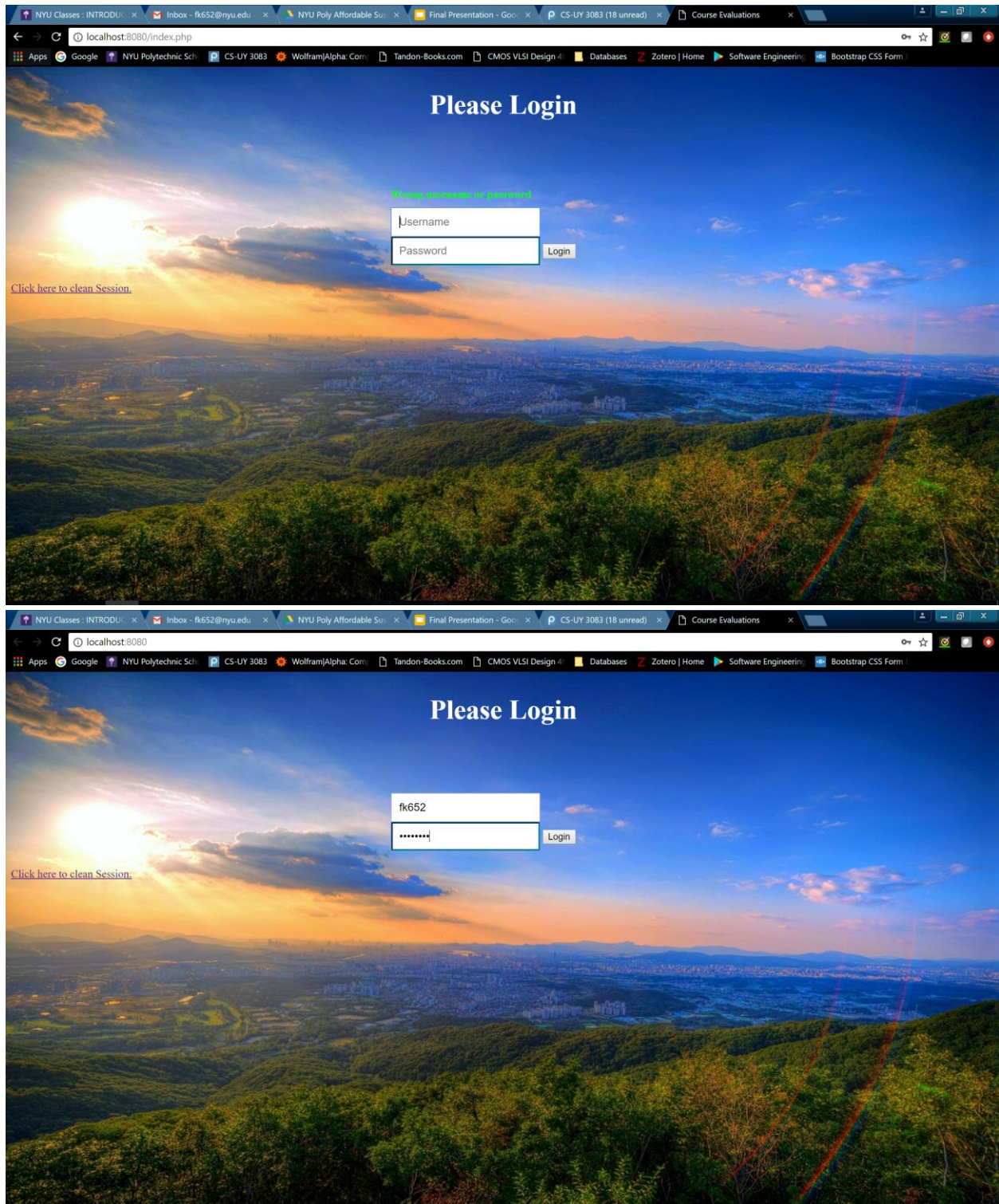
Course Evaluation Submission

MUST SELECT A GRADE!

Grade
- ○ 0 (very bad)
- ○ 1 (not good)
- ○ 2 (ok)
- ○ 3 (very good)
- ○ 4 (excellent)

Comments

Additional comments, suggestions, or questions

Select Class

SPRING 2018 CS3083 - Intro to Databases ▾

Class you are currently in at this time will be chosen by default
Change the selected class if needed

Submit

06:30:14pm   04-29-2018   Sunday

Logout

You have already submitted a course evaluation for CS3083 SPRING 2018 today!

Course Evaluation Submission

Grade
- ○ 0 (very bad)
- ○ 1 (not good)
- ○ 2 (ok)
- ○ 3 (very good)
- ◉ 4 (excellent)

Comments

all good

Additional comments, suggestions, or questions

Select Class

SPRING 2018 course4 - test ▾

Class you are currently in at this time will be chosen by default
Change the selected class if needed

Submit

06:30:49pm   04-29-2018   Sunday

Logout

NYU Classes : INTRODUC × Inbox - fk652@nyu.edu × NYU Poly Affordable Su × Final Presentation - Goo × CS-UY 3083 (18 unread) × localhost:8080/report.ph ×

← → C localhost:8080/report.php

Apps Google NYU Polytechnic Sch CS-UY 3083 Wolfram|Alpha: Comp Tandon-Books.com CMOS VLSI Design 4 Databases Zotero | Home Software Engineering Bootstrap CSS Form

Logout

All Course Reports

course4 - test (SPRING 2018)

test - test (SPRING 2018)

CS3083 - Intro to Databases (SPRING 2018)

Logout

NYU Classes : INTRODUC × Inbox - fk652@nyu.edu × NYU Poly Affordable Su × Final Presentation - Goo × CS-UY 3083 (18 unread) × localhost:8080/report.ph ×

← → C localhost:8080/report.php

Apps Google NYU Polytechnic Sch CS-UY 3083 Wolfram|Alpha: Comp Tandon-Books.com CMOS VLSI Design 4 Databases Zotero | Home Software Engineering Bootstrap CSS Form

Average Grades Chart

Session Dates are sorted by most recent first.
Only one column filter will work at a time.

CUMULATIVE SEMESTER AVERAGE: 3.642

Filter Reset reset filter settings and go back to the top of the table

Date	Average

Session Date	Average Grade
05-31-2018	4.0000
04-29-2018	4.0000
04-27-2018	4.0000
04-26-2018	4.0000
04-25-2018	4.0000
04-22-2018	3.0000
04-21-2018	3.0000
04-19-2018	3.0000
04-18-2018	4.0000

| 01-31-2018 | 4.0000 |

Filter Reset reset filter settings and go back to the top of the table

Average Grades Graph

CS3083 (SPRING 2018) Average Grades Graph

Individual Course Evaluations Chart

Session Dates are sorted by most recent first and then Grades are sorted by lowest first
Only one column filter will work at a time.

Filter Reset reset filter settings and go back to the top of the table

Date	Grade	Comment

Session Date	Grade	Comment
05-31-2018	4	
04-29-2018	4	
04-27-2018	4	testing
04-26-2018	4	not bad
04-25-2018	4	asd
04-22-2018	3	lots of text o
04-21-2018	3	
04-19-2018	3	

Registration

Course Registration

Course Roster Change

Logout

Registration

netID

This will also be the username

Password

Password must be at least 8 characters long, contain at least one letter, and contain at least one number

Verify Password

N#

First Name

Last Name

User Type
- student
- teacher
- admin

Submit

Registration

Course Registration

Course Roster Change

Logout

Registration

NETID REQUIRED

netID

This will also be the username

PASSWORD REQUIRED

Password

Password must be at least 8 characters long, contain at least one letter, and contain at least one number

MUST VERIFY PASSWORD

Verify Password

N# REQUIRED

N#

FIRST NAME REQUIRED

First Name

LAST NAME REQUIRED

Last Name

SELECT A USER TYPE

User Type
- student
- teacher

Course Registration

Registration

Course Registration

Course Roster Change

Logout

Course ID
[   ]
include the section number at the end of the ID

Course Name
[   ]

Class Room
[   ]
Same room number/name as shown on NYU Albert
Enter NONE if room isn't given

Semester
○ SPRING
○ FALL
○ SUMMER
○ WINTER

Start Time
[--:-- --]
12 HR Format

End Time
[--:-- --]
12 HR Format

Days of the Week
☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday
☐ Saturday

Registration

Course Registration

Course Roster Change

Logout

12 HR Format

End Time
[--:-- --] ▲▼
12 HR Format

Days of the Week
☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday
☐ Saturday
☐ Sunday

Year
○ 2017
○ 2018
○ 2019
Winter semesters start in January, so use that new year

Select Teacher
[▼]
netid - [Last Name, First Name]
Type a name or netid in the search bar for easier finding

Course Roster
(can be done later)
[   ]
netid - [Last Name, First Name]
Type a name or netid in this input bar for easier finding
Selected students will become highlighted in the options
Reclicking highlighted students will also unselect them

[Submit]

Course Registration

Registration

Course Registration

Course Roster Change

Logout

COURSE ID REQUIRED

Course ID

include the section number at the end of the ID

COURSE NAME REQUIRED

Course Name

CLASS ROOM REQUIRED

Class Room

Same room number/name as shown on NYU Albert
Enter NONE if room isn't given

SELECT A SEMESTER

Semester
- ○ SPRING
- ○ FALL
- ○ SUMMER
- ○ WINTER

START TIME REQUIRED

Start Time   --:-- --

12 HR Format

END TIME REQUIRED

End Time   --:-- --

12 HR Format

Course Roster Change

Registration

Course Registration

Course Roster Change

Logout

Select a Course   [▼]

Type a courseID or class name in the search bar for easier finding

Course Roster   [   ]

netid - [Last Name, First Name]
Type a name or netid in this input bar for easier finding
Selected students will become highlighted in the options
Reclicking highlighted students will also unselect them

Action
- ○ ADD
- ○ REMOVE

[Submit]

Course Roster Change

SELECT A COURSE

Select a Course

Type a courseID or class name in the search bar for easier finding

CHOOSE STUDENT(S)

Course Roster

netid - [Last Name, First Name]
Type a name or netid in this input bar for easier finding
Selected students will become highlighted in the options
Reclicking highlighted students will also unselect them

CHOOSE AN ACTION

Action
- ○ ADD
- ○ REMOVE

Submit

Registration

Course Registration

Course Roster Change

Logout