Student_____

The Online Grade Book Project

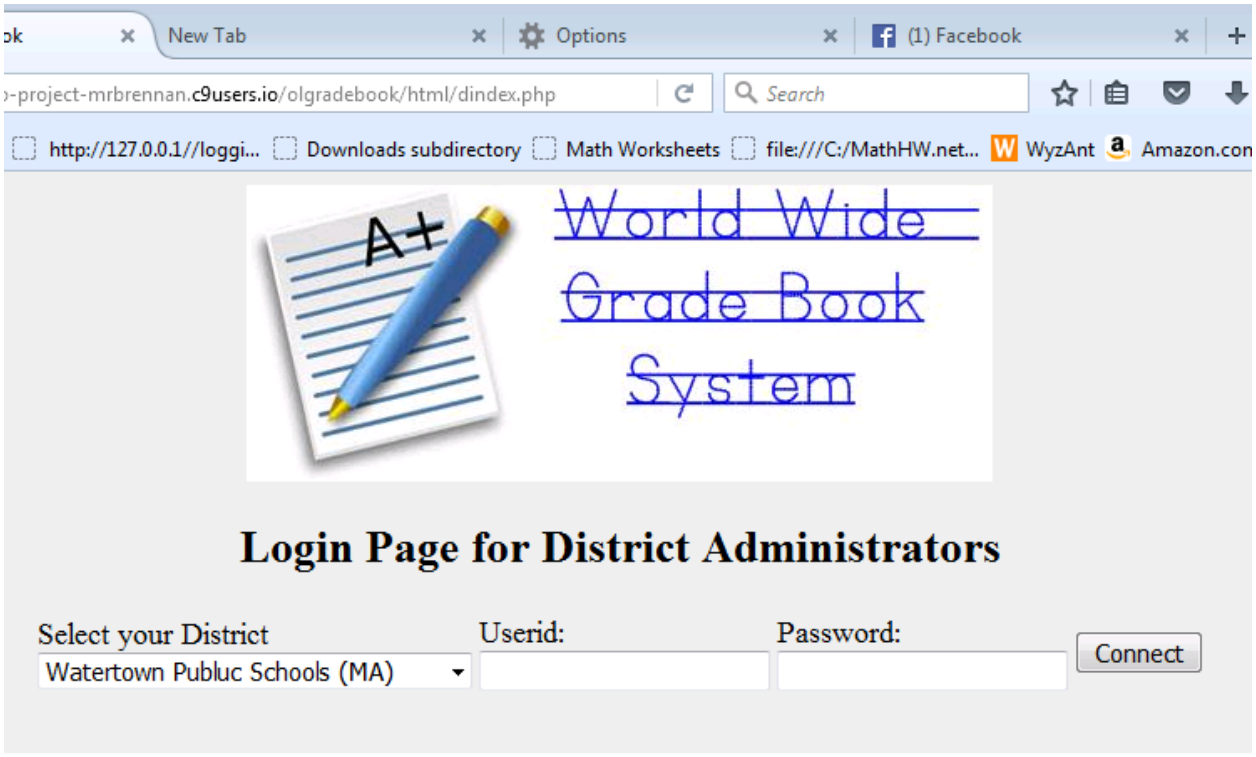
Date: _____

The Online Gradebook Administration Pages

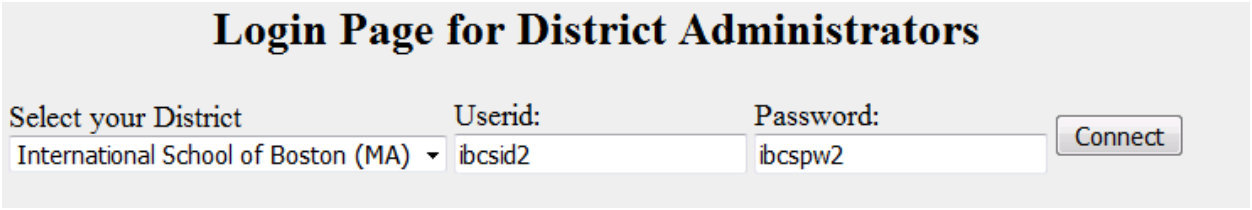
Part I : Accessing the Administration Pages

1. Go tho the following link – which has been posted with today's agenda for easy access.

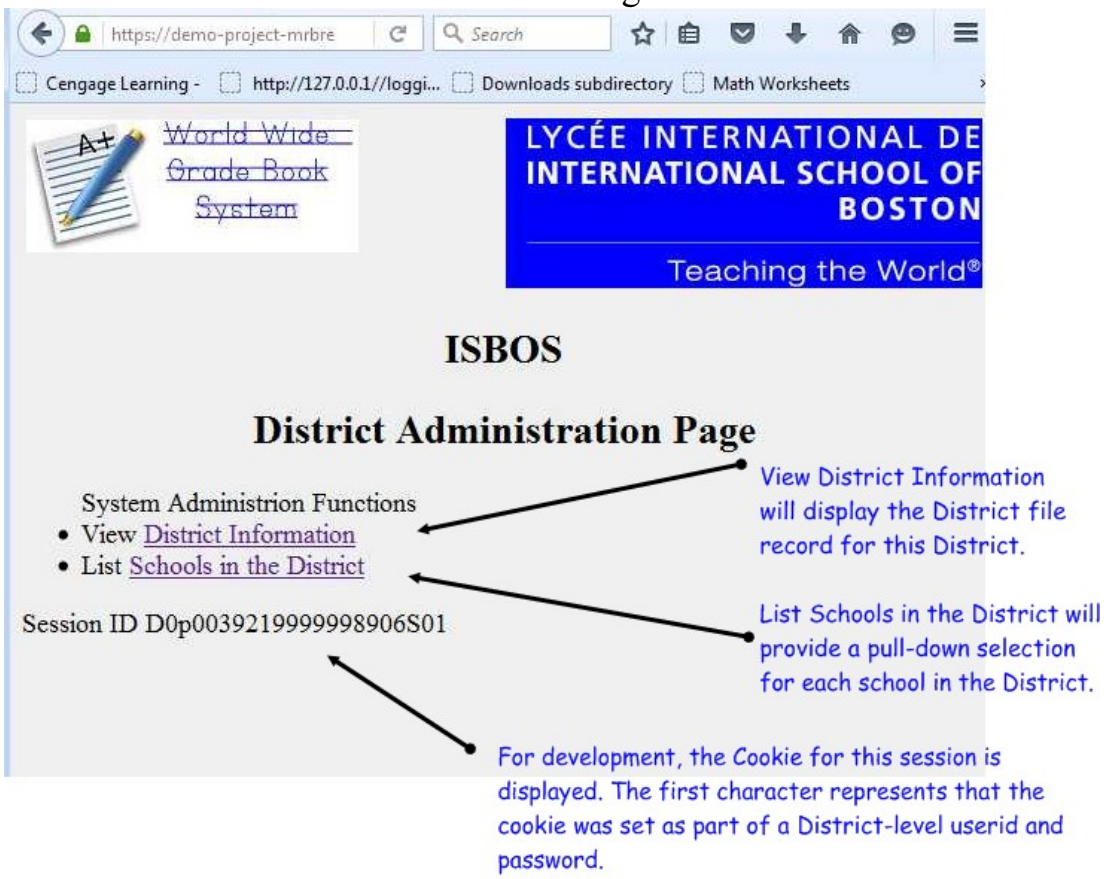
https://demo-project-mrbrennan.c9users.io/olgradebook/html/dindex.php



2. The "database" has been populated with two school districts. Use the pull-down selection and acess "International School of Boston" and enter the userid **ibcsid2** and the password **ibcspw2**. The press the [Connect] button.



3. By entering a valid userid and password from the District.ibcs file you will be taken to the District Administration Page.

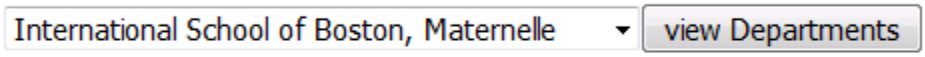


3.a) Select "View District Informaiton"
The screen is regenerated with the following addition:

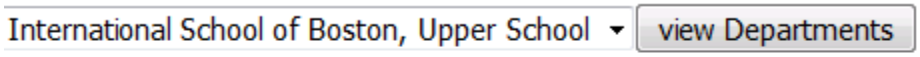
```
Print District Record for district ID 2
---------------------------------------
Name     International School of Boston
Address  45 Matignon Road
City     Cambridge
State    MA
Zip      02140
Phone    617.499.1451
Fax      617.499.1454
Contacts 0
uid[0] =        ibcsid1
pw[0] =         ibcspw1
uid[1] =        ibcsid2
pw[1] =         ibcspw2
```

The Online Grade Book Project

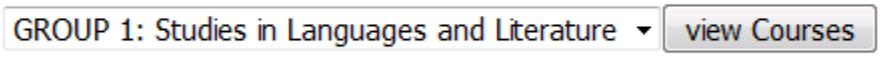
3.b) Select " • List Schools in the District" and the following will be displayed:



4. From the pull-down select list of schools, select the Upper School and press the [view Departments] button.



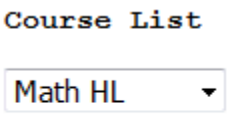
5. This will naviagate you to the list of Departments for the school.



From here, select "Group 5: Mathematics" and press the [view Courses] button.



6. You will the be shown the list of Courses from the Mathematics Departmemt.



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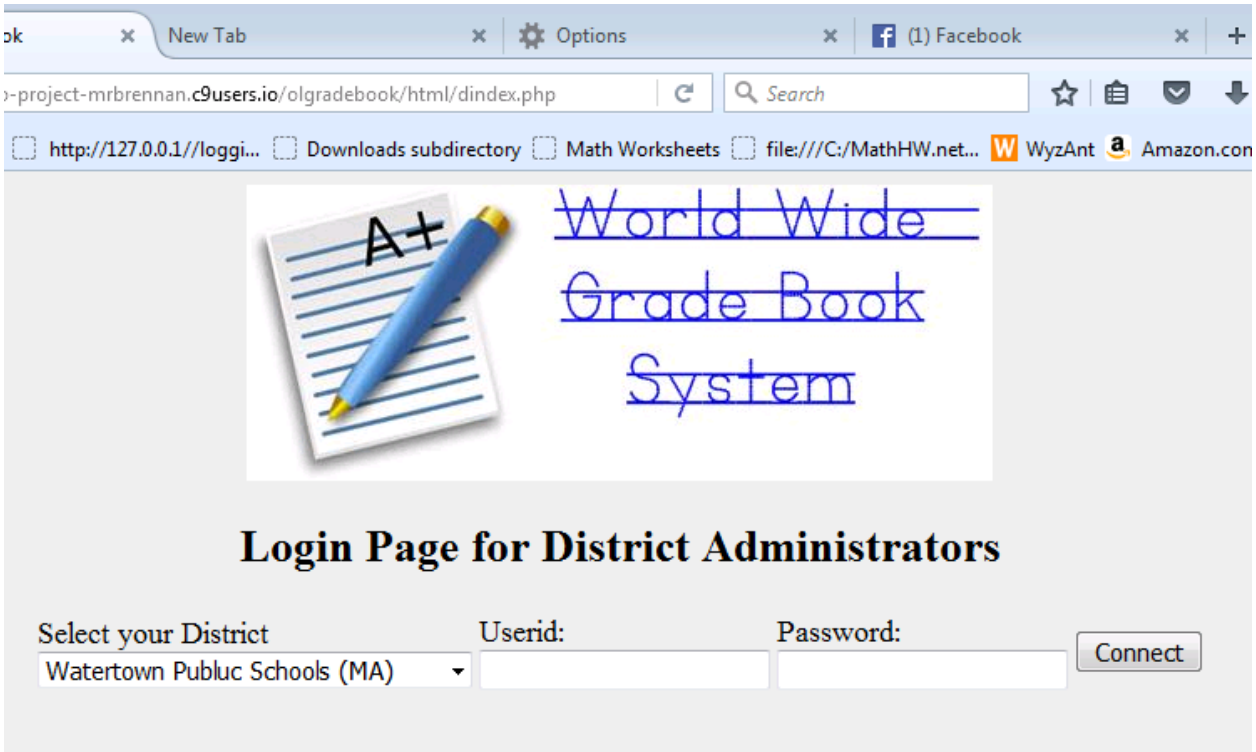
Part II : How the Administration Pages Work

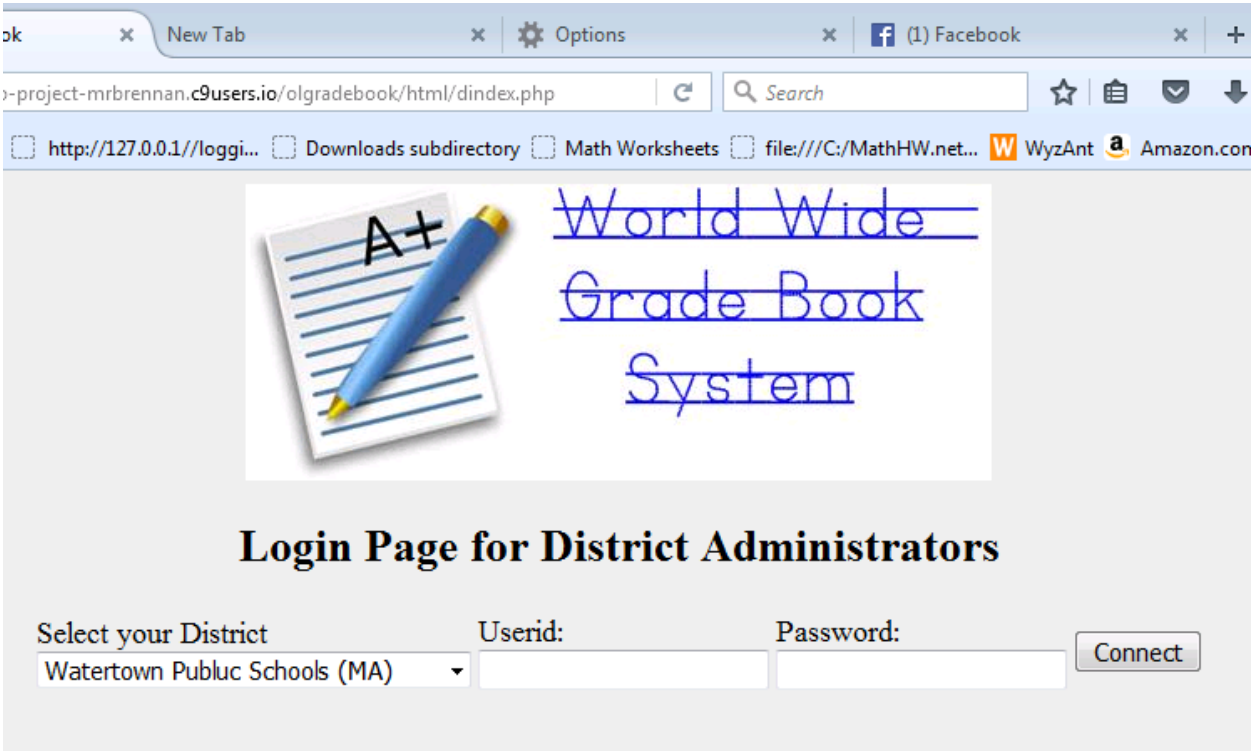
Files in the html subdirectory with a php extension are primarily used for generating html screens. They do not process forms and are in the html directory because their primary purpose is in creating dynamic html.

Files in the pgp program have the primary pupose of processing form data or provide other decision making functions. They may generate (or assemble) html documents but their primary purose is to create an interace between web pages and data storage.

1. When the dindex.php file execited to generated the district login page. the DistrictMgr is called with the -ListNames command to generate the select list of districts.

https://demo-project-mrbrennan.c9users.io/olgradebook/html/dindex.php





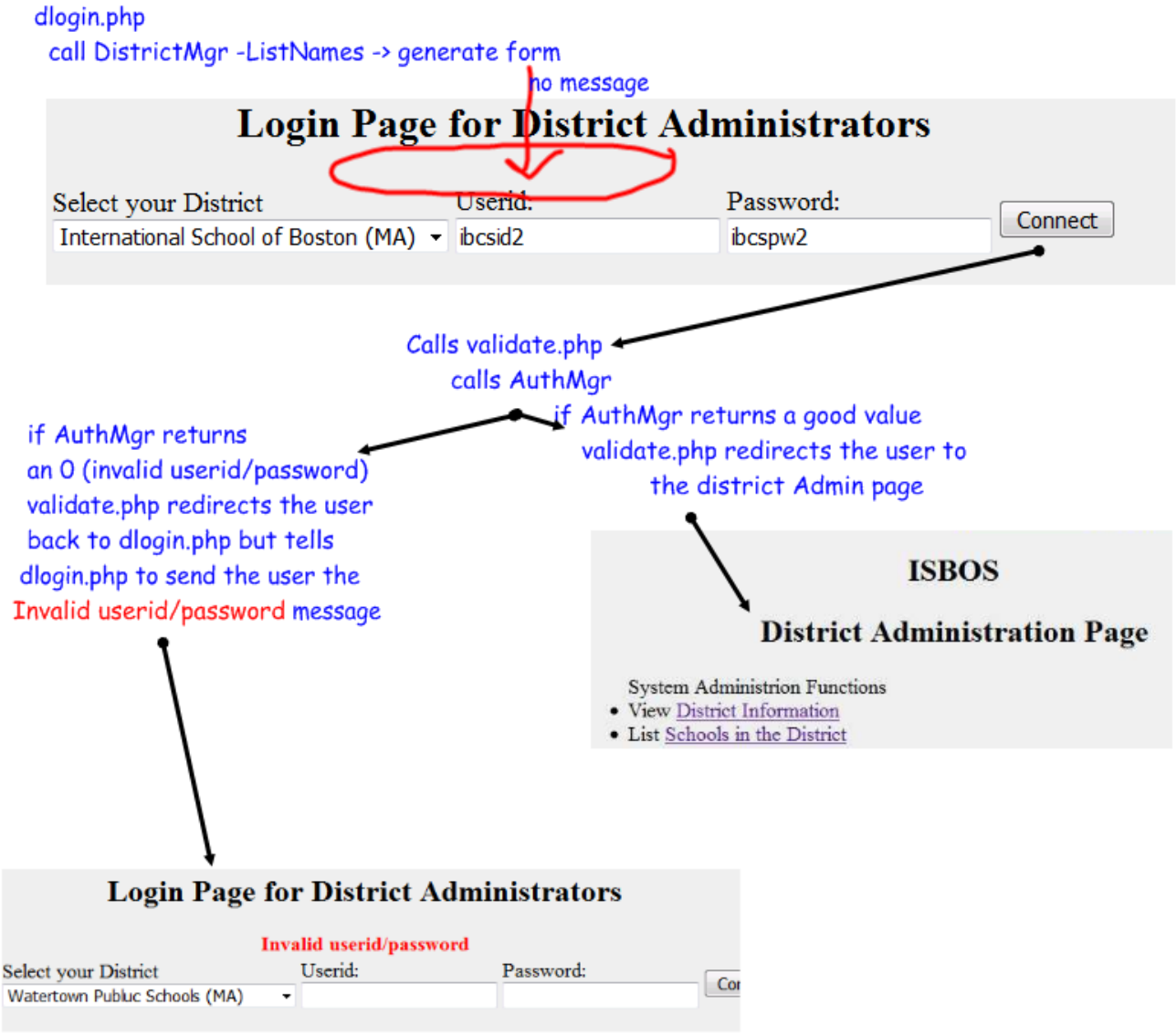
2. When a userid and password have been entered and the connect button in pressed, the php/validate.php program is called. The program's purpose is to call the AuthMgr to validate the user id and password. validate.php knows that the input is coming from the district login page and contains a userid and password. The AuthMgr will validate the userid/password for the district selected. Code in the validate.php program will redirect the user to the correct district administration page.
   Note: one of the items in the District table that might be nice to have is the name of the default home pages for the different types of users, so the validate program doesn't have to know about the specific home pages.

   If you enter an invalid userid and password, the AuthMgr will tell the validate.php program that the userid/password is no good, and the user will be redirected back to the login page. The dlogin.php program has a little bit of intelligence in it, and can echo a message to the user that their previous userid and password were not accepted.

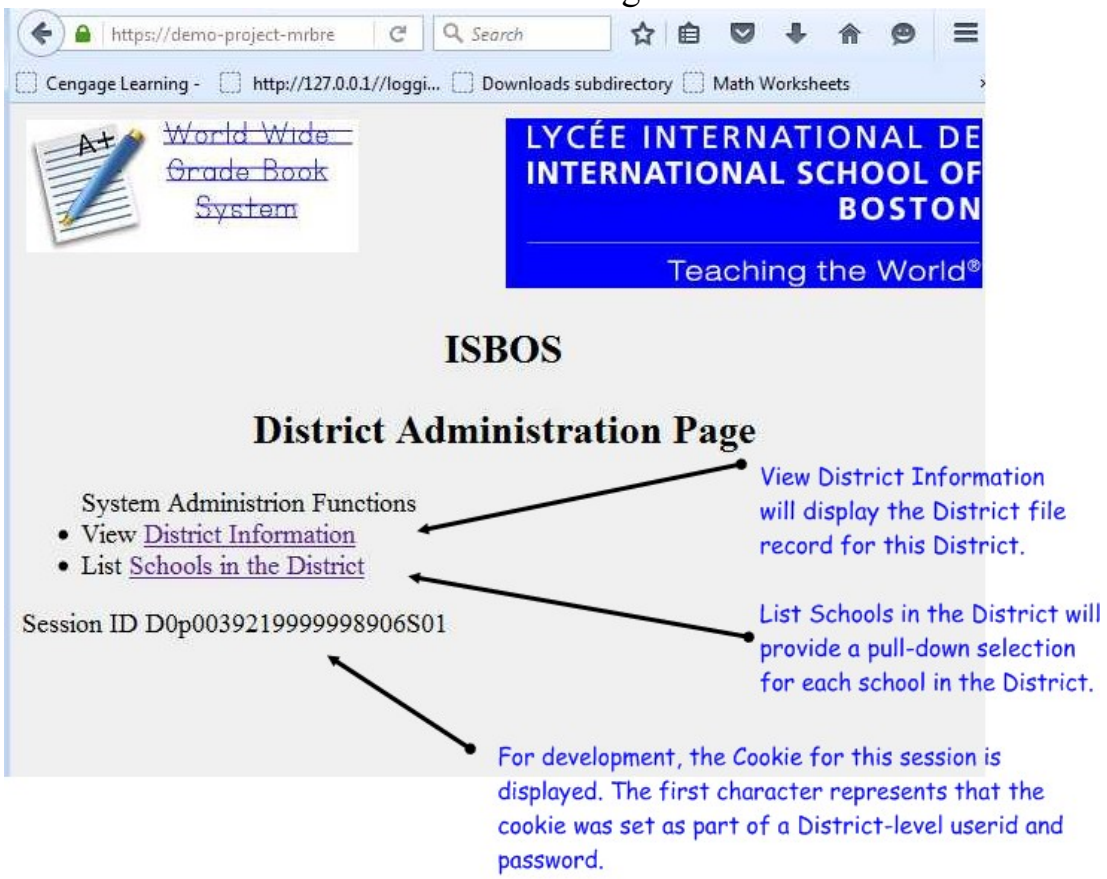
Student_____

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Date: _____



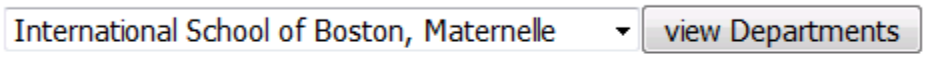
3. By entering a valid userid and password from the District.ibcs file you will be taken to the District Administration Page.



3.a) When "View District Informaiton" is selected, the program padmin.php is called with the district ID and the "view" function request. padmin.php will call the DistrictMgr with a request to display the details of the District file record.

```
Print District Record for district ID 2
----------------------------------------
Name     International School of Boston
Address  45 Matignon Road
City     Cambridge
State    MA
Zip      02140
Phone    617.499.1451
Fax      617.499.1454
Contacts 0
uid[0] =        ibcsid1
pw[0] =         ibcspw1
uid[1] =        ibcsid2
pw[1] =         ibcspw2
```

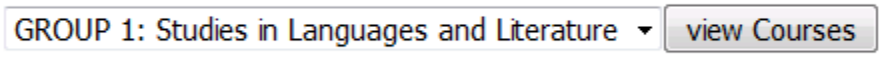
3.b) When the List Schools in the District" option is selected



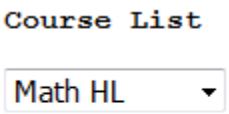
The link invokes the padmin.php program to get a list of the schools for the district. The padmin.php programs calls the SchoolMgr to get the list of schools.

4. When the [view Departments] button is pressed, the forn is submitted to padmin.php, padmin.php will cann the DepartMgr to get a list of all of the Departments from the Departments.ibcs file.

5. When you select a department from the pull-down select list, this will again invoke padmin.php to process the form, The CourseMgr (C) program will be called to get a list of all of the couses for the department. .



6. When you see the list of courses, there isn't anything else to do at this point, except view the list of course available from the departmemt.



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Files used for this Administration Function Demo

C programs – modules needed to compile the exe programs

config/	olgb.conf	storage location for data file names
exe/	AuthMgr	validate userids and passwords
	CourseMgr	get a list of courses for a department
	DepartMgr	get a list of departments for a school
	DistrictMgr	get a list of districts
	SchoolMgr	get a list of schools in a district
data/	Courses.ibcs	
	Departments.ibcs	
	Districts.ibcs	
	Schools.ibcs	
html/	dindex.php	district login page
	district_admin_screen.php	basic functions for all districts
	home_adim.ib.php	home screen for IB administration
	home_wps.php	home screen for wps
images/	isbos_logo.png	
	wwgbs-small.jpg	
	wwgbs.jpg	
log/	padmin.log	log files generated by php programs
	validate.log	
php/	showparms.php	display form parameters for development
	padmin.php	processes links/commands from the admin page
	validate.php	interface to AuthMgr to validate userid/passwords and process redirections
sh/	compile.notes	commands for using gcc to compile the file Mgrs
	filelist	the list of files to transfer to student directories

Student_____

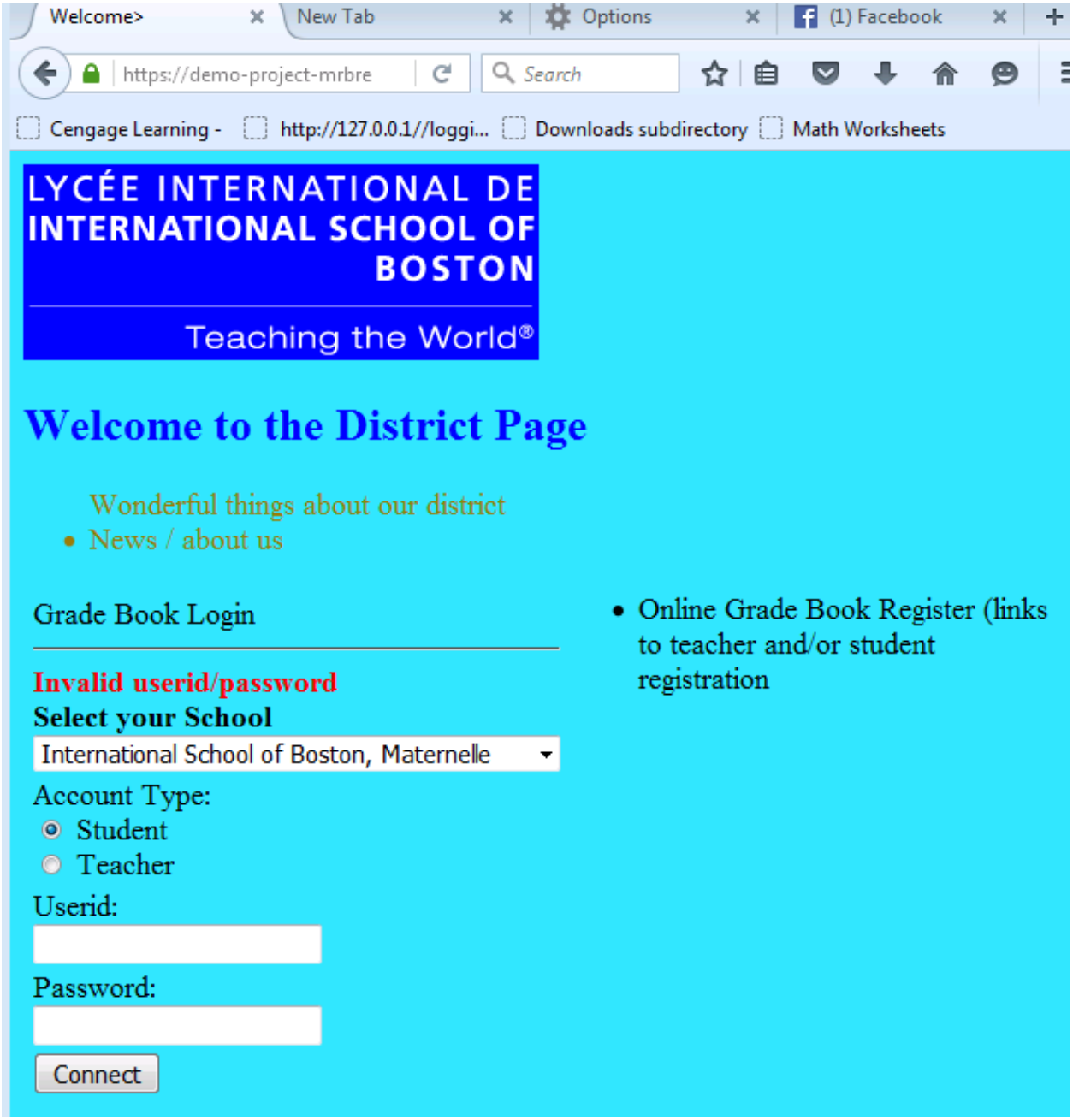
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Part III How Your Login Process Should Work

This is the output of html/login_ib.php program used to generate the first screen.

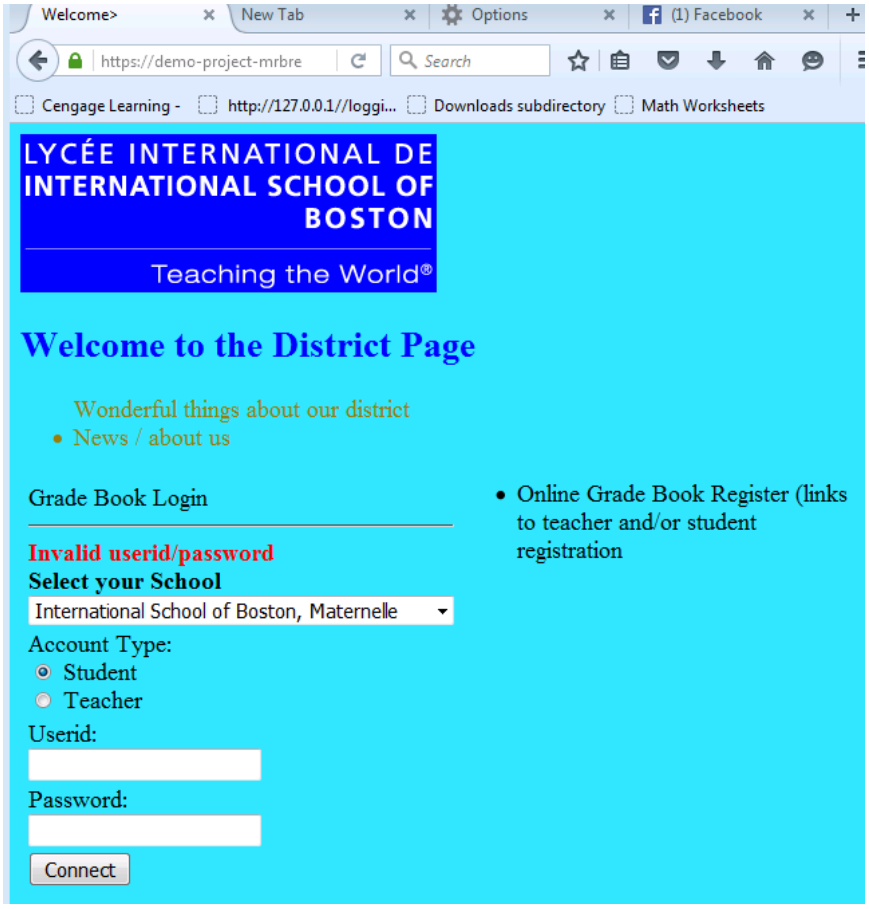
This is mostly an HTML file, but has the school list for the district populated so that users can select what school they are registered with.



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- The form gets the list of schools for the district using the SchoolMgr.
- This form is validated using javascript to make sure that the userid and password are not blank.
- When the user hit the submit button the form data will be processed by validate.php
- If the userid/password/schoolid combination is not valid, the validate.php program will send the user back to login_ib.php with a parameter that tells the script to add the invalid userid/password message.
- If the userid/password/school is validated, the the validate.php program will relocate the user to home_ib.php.
- The home_ib.php doesn't have anything there, but from there you should add the functions that are needed – you could create two copies of this file – one for students and one for teachers, and update validate.php accordingly.
- This page should also have links to the form where students and teachers can register for the school that must be selected.
- The registration form should not have a schoolid or district id that the user sees. Use "hidden" fields as needed.