

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:00

Teachers

Classes

Students in Class

Signed Out

Brown, A	History 9a		
Charles, J	History 9c		
Frizzle, F	IB Geog 1		
Kim , J	IB Geog 2		
.....	TOK 11		
....			
....			

The teacher Frizzle starts the program at the start of period 1.

She clicks on her name. Then her list of classes appears.

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:05

Teachers	Classes	Students in Class	Signed Out
Brown, A Charles, J Frizzle, F Kim , J	History 9a History 9c IB Geog 1 IB Geog 2 TOK 11	Adams, A Baker, B Charles, C Duke, D Zorro, Z	

The teacher clicks on the class meeting this period.

The list of all the students in the class appears.

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:10

Teachers	Classes	Students in Class	Signed Out
Brown, A	History 9a	Adams, A	09:10 Charles, C
Charles, J	History 9c	Baker, B	
Frizzle, F	IB Geog 1	Charles, C	
Kim, J	IB Geog 2	Duke, D	
.....	TOK 11	
.....		
.....		
.....		Zorro, Z	

Now a student can sign-out by clicking on their name.

The name *disappears* from the “Students in Class” and appears in the “Signed Out” list, with the time (automatic).

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:15

Teachers	Classes	Students in Class	Signed Out
Brown, A	History 9a	Adams, A	09:10 Charles, C
Charles, J	History 9c	<i>Baker, B</i> →	09:15 Baker, B
Frizzle, F	IB Geog 1	<i>Charles, C</i>	
Kim, J	IB Geog 2	Duke, D	
.....	TOK 11	
.....		
.....		Zorro, Z	

Another student can sign-out by clicking on their name.

The name *disappears* from the “Students in Class” and appears in the “Signed Out” list, with the time (automatic).

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:20

Teachers	Classes	Students in Class	Signed Out
Brown, A	History 9a	Adams, A	09:10 09:20 Charles, C
Charles, J	History 9c	<i>Baker, B</i>	09:15 Baker, B
Frizzle, F	IB Geog 1	Charles, C	
Kim, J	IB Geog 2	Duke, D	
.....	TOK 11	
.....		
.....		Zorro, Z	

Charles, C returns and clicks on the "Signed Out" list to move his name back to the Students in Class List.

The name does NOT disappear from the "Signed Out" list, but the time is recorded in the list.

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:25

Teachers	Classes	Students in Class	Signed Out
Brown, A	History 9a	Adams, A	09:10 09:20 Charles, C
Charles, J	History 9c	<i>Baker, B</i>	09:15 Baker, B
Frizzle, F	IB Geog 1	Charles, C	09:25 Zorro, Z
Kim, J	IB Geog 2	Duke, D	
.....	TOK 11	
.....		
.....		
		<i>Zorro, Z</i>	

Another student signs out.

Sign-Out / Sign-In

Date: 15.03.08

Time: 09:30

Teachers	Classes	Students in Class	Signed Out
Brown, A	History 9a	Adams, A	09:10 09:20 Charles, C
Charles, J	History 9c	<i>Baker, B</i>	09:15 Baker, B
Frizzle, F	IB Geog 1	Charles, C	09:25 Zorro, Z
Kim, J	IB Geog 2	Duke, D	
.....	TOK 11	
.....		
.....		
		<i>Zorro, Z</i>	

Baker, B has been gone too long. Red alert notifies teacher that there is a problem. The teacher looks up and sees that Baker, B is in class, but forgot to sign-in. The teacher reminds him he needs to do this.

Admin Search

Date: 22.03.08

Time: 10:30

Grade	Students	Sign-Out Records
Grade 6	Adams, A	Frizzle, F TOK 11 15.03.08 09:10 09:20 Charles, C
Grade 7	Albert, K	Brown, A Math SL 1 15.03.08 11:25 11:29 Charles, C
Grade 8	Bacus, C	Brown, A Math SL 1 16.03.08 13:50 14:10 Charles, C
Grade 9	Baker, B	Brown, A Math SL 1 18.03.08 09:05 09:30 Charles, C
Grade 10	Charles, C	
Grade 11	
Grade 12	
	
	Zorro, Z	

An administrator can review last week's data for a single student by clicking on the grade level and then on the student's name.

The program searches the central master file and prints all records for that student. Notice that the Check-out/in interface must have saved the teacher, class and date along with the names and times. Looks like Charles, C doesn't like Math.

Admin Summary

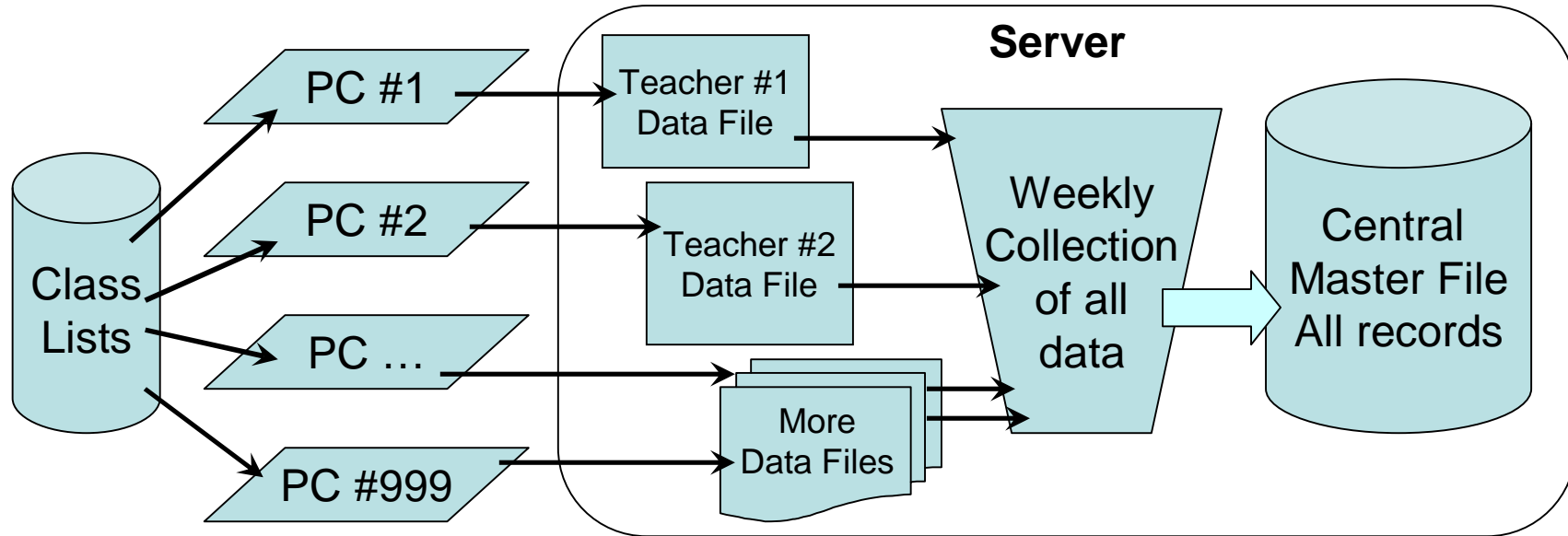
Date: 22.03.08

Time: 10:30

Grade	Students	Sign-Out Records
Grade 6	9 Baker, B	Frizzle, F TOK 11 15.03.08 09:10 09:20 Charles, C
Grade 7	8 Bacus, C	Brown, A Math SL 1 15.03.08 11:25 11:29 Charles, C
Grade 8	8 Zorro, Z	Brown, A Math SL 1 16.03.08 13:50 14:10 Charles, C
Grade 9	5 Adams, A	Brown, A Math SL 1 18.03.08 09:05 09:30 Charles, C
Grade 10	4 Charles, C	
Grade 11	
Grade 12	

This is pretty much the same as the Admin Search (previous). But here the students are sorted from highest to lowest number of records, rather than alphabetically. Again, the administrator can click on a name to see the entire list of records.

Data-Flow Diagram



There will be a lot of “back-end” work with data files (saving check-outs, copying all teacher files into the master file each week, etc). But this will be invisible to the end-users (teachers, students and administrators). There must be a technical interface so the IT support staff can create data files (like the list of students in each class), do backups and all the other necessary support work. However, this need not be discussed with the end users, so no prototype is presented here.

If nothing else works, the IT support staff can sit down with Notepad and TYPE all the class lists at the beginning of the year (ha,ha).