

## **Sample Data**

**NOTE:** Below is the description of sample data that you need to enter in your application before coming for the demo. Some more data will be provided on the day of the demo. The tables just represent the data and they do not need to map directly to any single table. The important thing is that your application should be able to capture the information. Also consider this data as bare minimum (this means that information like a student's address/contact information is not provided but should be captured, there might be more instances like these)

Below are the cost per credit costs for different levels and classifications:

Level	Residency Classification	Cost Per Credit
Graduate	In State	500
Graduate	Out Of State	800
Graduate	International	1000
Undergraduate	In State	400
Undergraduate	Out Of State	700
Undergraduate	International	900

Below are the credit limits for different levels and classifications:

Level	Residency Classification	Minimum Credits	Maximum Credits
Graduate	In State	0	9
Graduate	Out Of State	0	9
Graduate	International	9	9
Undergraduate	In State	0	12
Undergraduate	Out Of State	0	12
Undergraduate	International	9	12

### **The Grading System**

Grade	Grade Points/Credit Hour
A+	4.33
A	4.00
A-	3.67
B+	3.33
B	3.00

B-	2.67
C+	2.33
C	2.00
C-	1.67

The application has a course administrator with the following details:

**Administrator**

First Name : Albus  
Last Name : Dumbledore  
D.O.B : 05/26/1984  
Employee Id : 1111  
Username : alby  
Password : hogwarts

So, firstly you need to enter data for FALL 2016 Semester :

6 Courses were offered as part of the semester:

Name	Id	Credits	Department	Level	Class Size	Waitlist Size	Prerequisite Courses
Introduction to Computer Science	CS401	3	CS	Under Graduate	2	2	None
Database	CS510	3	CS	Graduate	5	2	None
Software Engineering	CS515	3	CS	Graduate	3	2	None
Internet Protocols	CS 520	3	CS	Graduate	2	2	None
Independent Study	CS525	Variable (1-3)	CS	Graduate	2	0	None
VLSI	CE420	3	ECE	Under Graduate	4	2	None

All the student accounts will have

Username : username  
Password : password

Name	Student Id	DOB(MM-DD-YYYY)	Status	Level	Department	Bill Amount(Due after the Fall 2016, 0 indicates Bill was paid)	Fall Courses Registered For and Grades Received
Harry Potter	101	01/12/1990	In State	Under Graduate	ECE	1200	CE420(A)
Hermione Granger	102	04/16/1989	In-State	Graduate	CS	0	CS510(B+) CS515(B+)
Ron Weasley	103	12/19/1991	Out of State	Graduate	CS	0	CS515(A) CS520(A-)

							CS530(A+)
Draco Malfoy	104	03/21/1992	International	Graduate	CS	0	CS510(A) CS515(B+) CS525 (3 Credits)(A+)

Enforce the deadlines and enter grades for the students as mentioned in the table above. After that pay the bill for the students except for **Harry Potter**.

Data for Spring 2017 Semester

7 Courses were offered as part of the semester:

Name	Id	Credits	Department	Level	Class Size	Waitlist Size	Prerequisite Courses
Numerical Methods	CS402	3	CS	Under Graduate	2	2	CS401
Database	CS510	3	CS	Graduate	5	2	None
Algorithms	CS505	3	CS	Graduate	2	2	None
Cloud Computing	CS 521	3	CS	Graduate	3	2	GPA >= 3.5 OR CS520
Independent Study	CS525	Variable (1-3)	CS	Graduate	2	0	None
Dev-Ops	CS530	3	CS	Graduate	2	2	CS515
VLSI II	CS421	3	ECE	Under Graduate	4	2	CE420

All the students enrolled in the fall semester are continuing in the spring semester as well. Enrolment information for new students might be provided on the day of the demo.