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Title: School Management System

Project Summary: A school management system with three different actors: students, teachers and deans. Students should be able to login, view their semester report card, pay tuition, and access a global class list. A teacher should be able to login, set grades for students in a class, view all students in a class, view a teacher report, and access a global class list. A dean should be able login, to add/ remove teachers and students, set tuition for a student, add/ remove classes from the global class list, and access the global class list.

Business Requirements:

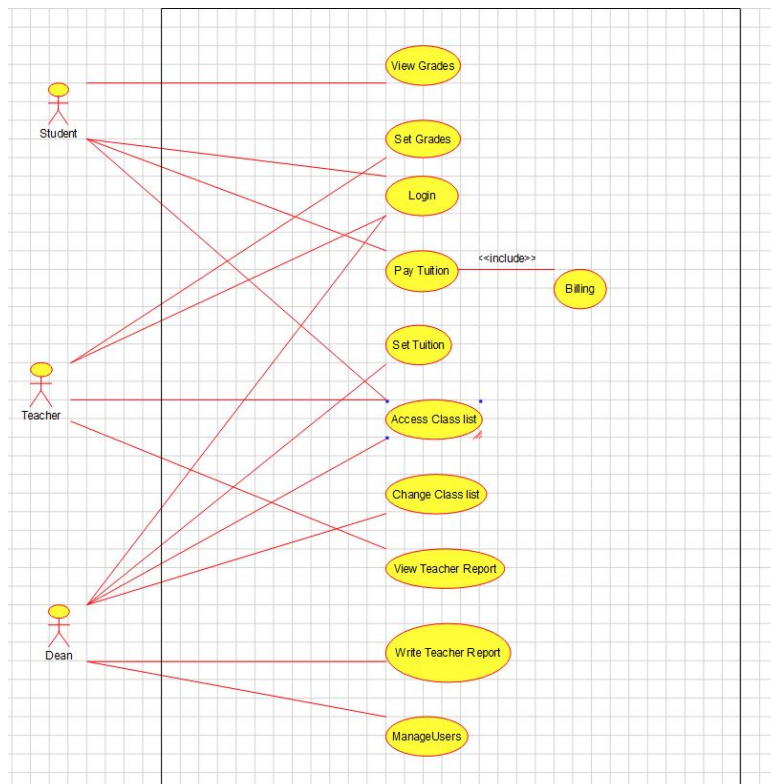| ID	Requirement	Topic Area	Actor	Priority
BR-001	Limit access to non-school emails	Login	Deans, Teacher, Student	High
BR-002	Tuition fees	Tuition	Student, Deans	High
BR-003	Teachers review	Reporting	Deans	Medium

User Requirements:

ID	Requirement	Topic Area	Actor	Priority
UR-001	Login	Login	Student,Dean,Teacher	Critical
UR-002	See tuition rates	Tuition	Student	High
UR-003	Set tuition Rates	Tuition	Dean	High
UR-004	Add Class to Class List	Classes	Dean	High
UR-004	Remove Class from Class List	Classes	Dean	Medium
UR-005	Set Grade	Classes	Teacher	High
UR-006	See Grades	Classes	Student	High
UR-007	View Class List	Classes	Dean/Teacher	High

UR-008	Create Teacher Report	Reporting	Dean	Low
UR-009	View Teacher Report	Reporting	Teacher	Low
UR-010	Pay Tuition	Billing	Student	High

Non-Functional Requirements:

ID	Requirement	Topic Area	Actor	Priority
NF-001	Billing Security	Security	Student	Low
NF-002	Reliability	Data Persistence	System Admin	Med
NF-003	24/7 Availability	Usability	Dean, Teacher,Student	High

Use Cases Diagram

UI Mockup:

School Management System
User Login

Username: Username

Password: Password

Submit

University of CoolTown

Welcome student

Search...

| Home | Schedule | Grades | Tuition |

Dropdown ▾

◀ April 22, 2012 ▶

Su	Mo	Tu	We	Th	Fr	Sa
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					

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Su	Mo	Tu	We	Th	Fr	Sa
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					

Dean Portal

Welcome,
Mr. Dean

View Student List

View Teacher List

View Global Class List

Global Class List

SUBJ1-001: Name 1
SUBJ1-002: Name 2
SUBJ1-003: Name 3
SUBJ1-004: Name 4
SUB2-001: Name 1
SUBJ2-002: Name 2
SUBJ2-003: Name 3
SUBJ3-001: Name 1
SUB3-002: Name 2
SUB4-001: Name 1

Add Class to Class List

Remove Class from Class List

←

Add Class to Class List

Class Name: Name

Subject: Subject

Description:

Submit

←

View Teachers

Sam Teacher
Jim Teacher
Ella Teacher
Susan Teacher
Bob Teacher
Laura Teacher

Add Teacher
Remove Teacher

←

Susan Teacher

Username: susan.teacher

Email: susan.teacher@school.com

Phone: 666-666-666

Write Teacher Report

←

Teacher Report for Susan Teacher

Report: | Report goes here

[Submit]

←

Data Storage: We are planning on using mySQL for our data storage. We want to keep the following information persistent throughout sessions: User login information (username, name, email, and password), all class information (class name, class subject), student reports, and teacher reports.

Class Diagram: