Table 1:

OpCode	Passed in with Fields	Activity in DB	Datablock fields filled	Next Page
01	none: special case, only to be passed down to the HTML Generator immediatly after an administrator has logged in.	none; special case.	person. This field should be filled by the information of the current user.	"Administrator Start Page" AdminStart.tpl
02	none	none	none	"Add a Department" AdminAddDept.tpl
03	dpt_name = <department name> dpt_code= <department code>	Insert a department record. Check for duplication.	department. This field should be filled with the record of the department that has just been entered.	"Add a Department" AdminAddDept.tpl
04	none	Retrieve all departments	list of departments.	"Departments" AdminDptLst.tpl
05	dpt_code= <department code>	Retrieve the department record that corresponds to this code. Retrieve all course records that belong to this department.	department; list of courses.	"Courses in Department" AdminCourseLst.tpl
06	dpt_name = <department name> dpt_code = <department code> new_dpt_code = <new department code>	Change the contents of the fields of a department record. Retrieve all course records that belong to this department.	department; list of courses. The department is the department that has been updated. The courses belong to that department.	"Courses in Department" AdminCourseLst.tpl

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07	none	Retrieve all department records.	list of departments.	"Add a Course" AdminAddCourse.tpl
08	dpt_code= <department code> course_name= <course name> course_code= <course ID> section_code=<section code>	Insert a course record which points to a particular department record. Retrieve all department records.	course; department; list of departments. The course is the one just added. The department is the department it belongs to. The list is of all departments.	"Add a Course" AdminAddCourse.tpl
085	course_code= <course ID>	Retrieve the course corresponding to the course code. Retrieve the department that the course belongs to. Retreive the professors that are teaching this course. Retrieve all departement records	course; department; list of people; list of departments.	"Edit a Course" AdminEditCourse.tpl

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09	dpt_code= <department code> course_name= <course_name> course_code= <course ID> new_course_code= <updated course id>	Update the course record specified by course_code. Possibly change the department the course is in, the name of the course, or the id of the course. Retreive the course corresponding to the course code. Retreive the professors that are teaching this course. Retreive the department that the course belongs to. Retrieve all departement records.	course; department; list of people; list of departments.	"Edit a Course" AdminEditCourse.tpl
10	user_code=<user_name> course_code=<course ID> dpt_code=<dept_code>	Remove the professor relation for this course. Retreive the course corresponding to the course code. Retreive the department that the course belongs to. Retreive the professors that are teaching this course. Retrieve all departement records	course; department; list of people; list of departments.	"Edit a Course" AdminEditCourse.tpl
11	course_code=<course ID>	Retrieve the course corresponding to the course code.	course.	"Add a Professor" AdminAddProfCourse.tpl

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12	course_code=<course ID> **searchstr**=<search string>	Retrieve the course corresponding to the course code. Retrieve all the people corresponding to the search string.	**search string**; course; list of people.	"Add a Professor" AdminAddProfCourse.tpl
13	course_code=<course ID> user_code=<user name> dpt_code=<dpt code>	Insert a professor relation for this course.	course; department; list of people; list of departments	"Edit a Course" AdminEditCourse.tpl
14	none	none	none	"Add a User" AdminAddUser.tpl
15	user_name= <new user's username> first_name= <new user's first name> last_name= <new user's last name> nick_name= <new user's nickname> sisdnum= <new user> graddate=<grad date>	Insert a new user record with this information.	person. The person should be the one just added to the system.	"Add a User" AdminAddUser.tpl
16	none	none	none	"Search Users" AdminSearchUser.tpl
17	**searchstr**=<search string>	Retrieve all people that conform to the search string.	**seach string**; list of people.	"Search Users" AdminSearchUser.tpl

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18	user_code=<user_name>	Retrieve the person matching the SIS number. Retrieve all of that person's courses/roles.	person; list of courses for that person.	"Edit User" AdminEditUser.tpl
19	user_code=<user SIS> user_name=<user's name> first_name= <user's first name> last_name= <user's last name> nick_name= <user's nickname> new_user_code= <new user name, changed> graddate=<grad date>	Change the fields of the user with the specified user_code. Perhaps the user_code itself will have to be changed, which is why new_user_code is supplied. Retrieve all of that person's courses/roles.	person; list of courses for that person.	"Edit User" AdminEditUser.tpl
20	user_code=<user name> course_code=<course ID> role=<role from course>	Remove the user relation to this course.	person; list of courses for that person.	"Edit User" AdminEditUser.tpl
21	user_code=<user name>	Retrieve the user for this user code.	person.	"Add a Course/Role" AdminAddCourseRole.tpl
22	**searchstr**=<search string> user_code=<username>	Retrieve all courses which conform to this search string. Retrieve the user for this user code.	person; list of courses for the search string; **search string.**	"Add a Course Role" AdminAddCourseRole.tpl

Table 1:

OpCode	Passed in with Fields	Activity in DB	Datablock fields filled	Next Page
23	user_code=<user name> course_code= <course code> role=<role> grade_option={undecided}	Create a relation between the user and the course.	person; list of courses for that person.	"Edit User" AdminEditUser.tpl
24	none: special case, only to be passed down to the HTML Generator immediatly after a non-administrator has logged in though the login page.	none; special case.	person. associated courses	"Course List" UserStart.tpl
25	course_code=<course ID>	Get this course for the logged-in student. Retrieve all assignments for this course, as well as all the grades for those assignments.	person; course; list of assignments; list of grades.	"Student Course Look" UserStuCouLoo.tpl
26	none	Get the courses for the logged-in student (i.e. all the courses for which there is a student relation with the user). Retrieve the grades for each course.	person; list of courses; list of grades.	"Grade Summary" UserGraSum.tpl
27	course_code=<course ID>	Get this course for the logged-in professor.	person; course.	"Professor Course Look" UserProfCouLoo.tpl

Table 1:

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28	course_code=<course ID>	Get this course for the logged-in professor. Retrive the TAs for this course.	person; course; list of people (TAs).	"Professor TA List" UserProfTaLis.tpl
29	course_code=<course ID> user_code=<ta name>	Remove this TA-course relation. Get the course for the logged-in professor. Retrive the TAs for this course.	person (logged-in user); course; list of people (TAs);	"Professor TA List" UserProfTaLis.tpl
30	course_code=<course ID>	Retrieve the course with this course ID.	course.	"Professor Add TA" UserProfAddTa.tpl
31	course_code=<course ID> **searchstr**=<search string>	Retrieve the people that conform to the specified . Retrieve the course conforming to the course_code.	course; **search string**; list of users.	"Professor Add TA" UserProfAddTa.tpl
32	course_code=<course ID> user_code=<ta name>	Create a TA relation between the course and the specified user.	person; course; list of people (TAs).	"Professor TA List" UserProfTaLis.tpl
33	course_code=<course ID>	Get this course for the logged-in professor. Retrive the Students for this course.	person,course,list of people,list of final grades	"Professor Student List" UserProfStudLis.tpl

Table 1:

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34	course_code=<course ID> user_code=<student name>	Remove this Student-course relation. Get the course for the logged-in professor. Retrive the Students for this course.	person,course,list of people,list of final grades	"Professor Student List" UserProfStudLis.tpl
35	course_code=<course ID>	Retrieve the course with this course ID.	course.	"Professor Add Studnet" UserProfAddStu.tpl
36	course_code=<course ID> **searchstr**=<search string>	Retrieve the people that conform to the specified search string. Retrieve the course conforming to the course_code.	course; **search string**; list of people.	"Professor Add Student" UserProfAddStu.tpl
37	course_code=<course ID> user_code=<student name>	Create a Student relation between the course and the specified user.	person,course,list of people,list of final grades	"Professor Student List" UserProfStudLis.tpl
38	course_code=<course ID> role=<curr user role>	retrieve all assignments for this course	course,user,Assgnments list	"Course Assgnments" UserCouAss.tpl
39	course_code=<course ID> role=<curr user role>	Get ready to recive an new assignemt for this class, get all assngment types for this course	course,user,Types list	"New Assgniment" UserNewAss.tpl
40	asgn=<asgn ID> course_code=<course ID> role=<curr user role>	Retrive info on given asgnment for given course	course,user,asgn,typelist	"Edit Assgniment" UserNewAss.tpl

Table 1:

OpCode	Passed in with Fields	Activity in DB	Datablock fields filled	Next Page
41	course_code=<course ID> role=<curr user role>	Get List of wieghts and info about them for course	course,user,list of types	"Adjust Weight Type" UserAdjWeiTyp.tpl
42	course_code=<course ID> asgn=<asgn ID> role=<curr user role>	retrieve the list of student for this class and all thier grades for given assignment (letter type)	Student List, GradeList, course, asgn,user	"Grade Type Letter" UserGraTypLet.tpl
43	course_code=<course ID> asgn=<asgn ID> role=<curr user role>	retrieve the list of student for this class and all thier grades for given assignment (number type)	Student List, GradeList, course, asgn,user	"Grade Type Nuymber" UserGraTypNum.tpl
44	role=<curr user role> course_code=<course ID> asgn=<asgn name> type=<asgn Type> GT =<GradeType> TP=<Total Points> weight=<weight of assgn> due_date=<ass due date>	Add asgnment to course and link to all students of said course with relivent attributes	course,user,Assgnments list	"Course Assgnsmets" UserCouAss.tpl
45	role=<curr user role> course_code=<course ID> asgn=<asgn name> type=<asgn Type> GT =<GradeType> TP=<Total Points> weight=<weight of assgn> **due_date=<ass due date>**	edit asgnment to course and link to all students of said course with relivent attributes	course,user,asgn,typelist	"Edit Assgniment" UserNewAss.tpl

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OpCode	Passed in with Fields	Activity in DB	Datablock fields filled	Next Page
46	course_code=<course ID> role=<curr user role>	prepare to except new weight type	course, User	"New Type" UserNewType.tpl
47	weights=<weight fields> role=<curr user role> course_code=<course ID>	update weights acourrding to new inputed fields	course,user,list of types	"Adjust Weight Type" UserAdjWeiTyp.tpl
48	course_code=<course ID> Type=<assgn type> role=<curr user role>	return list of assgnments and individal weights associated with this type	course,type, list of assgn	"Adjust Assgn" UserAdjAss.tpl
49	course_code=<course ID> asgn=<Asgn ID> num_stu=<number of student grases being returned> g_<username>=<grade list withusername> l_<username>=<late days lsit> c_<username>=<comment>	take list of grades and connect them to relevent student	Student List, GradeList, course, asgn,user	"Grade Type Letter" UserGraTypLet.tpl
50	asgn=<asgn ID> role=<curr user role> course_code=<course ID>	Calculate histrogram breakdown and return relevent info, along with A,B,C,D,F breakdown	user,course,asgn,histgram A,B,C,D	"Histrogram" UserCouAssHis.tpl

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OpCode	Passed in with Fields	Activity in DB	Datablock fields filled	Next Page
51	course_code=<course ID> asgn=<Asgn ID> num_stu=<number of student grases being returned> g_<username>=<grade list with username> l_<username>=<late days lsit> c_<username>=<comment>	take list of grades and connect them to relevent student	Student List, GradeList, course, asgn,user	"Grade Type Number" UserGraTypNum.tpl
52	name=<weight type name> weight=<weight of the type> course_code=<course code>	add this new type to listof types for this course	course,user,list of types	"Adjust Weight Type" UserAdjWeiTyp.tpl
53	type=<type ID> asgn_num=<number of assignments> <asgn code>=<new wieght> course_code=<course ID>	change Assignments weight in Type to new weight. Get list of assignments for this type.	course,type, list of assgn	"Adjust Assgn" UserAdjAss.tpl
54	course_code=<course code>	calculate all student final grades and save them in database,	person,course,list of people,list of final grades	"Professor Student List" UserProfStudLis.tpl

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55	A=<point cut off for A> B=<point cut off for B> C=<point cut off for C> D=<point cut off for D> course_code=<couse id> asgn=<asgn Id>	adjust grades for students gicen new breack down of grades. Get Histogram.	user,course,asgn,histgram, A,B,C,D	"Histrogram" UserCouAssHis.tpl
56	course_code=<course ID> user_code=<user name> mfg=<modifed final grade>	insert into database mfg (modified final grade) for this user in this course	person,course,list of people,list of final grades	"Professor Student List" UserProfStudLis.tpl
57	course_code=<course ID> user_code=<user name>	retrueve all assignments for course, retrive all grades for these assignments for this user.	person (Student), course (current course),List of Assinments, grades (list of grades)	UserProfStudAss.tpl
58	course_code=<course ID> user_code=<user name> num_asgn=<number of asgnments being returned> g_<Asgn ID>=<grade list with username> l_<Asgn ID>>=<late days lsit> c_<Asgn ID>=<comment>	submit all changes to assinment grades for this course and student.	person (Student), course (current course),List of Assinments, grades (list of grades)	UserProfStudAss.tpl
99		error	error feild	GenE.tpl