The Online Grade Book Project

The Configuration File:

A new structure has been defined to contain a list of all of the data files needed for the project:

```
typedef struct { // notice common suffix _fn
    char    assignments_fn[100];    //Assignments.ibcs
    char    classes_fn[100];        //Classes.ibcs
    char    courses_fn[100];        //Courses.ibcs
    char    departments_fn[100];    //Departments.ibcs
    char    districts_fn[100];      //Districts.ibcs
    char    grades_fn[100];         //Grades.ibcs
    char    schools_fn[100];        //Schools.ibcs
    char    students_fn[100];       //Students.ibcs
    char    teachers_fn[100];       //Teachers.ibcs
    int     version;                // of this structure
    char    trace_fn[100];
    char    log_fn[100];
} FileNames;
```

The configuration file is stored in a new directory named config.
The olgb.conf has the standard IBCS FTOC followed by this structure. There are functions defined to help you access it.

Ipcsprocs contains

int get_fileNames(FileNames *fns); // get the list of project data file names

Sample code using FileNames

```
FileNames fns;

//Always get the list of file names
if (get_fileNames(&fns) != 1) {
      printf("error getting the file names\n");
      exit(1);
      }

// open file District file for reading
DFP = fopen(fns.districts_fn,"r");
if (DFP == NULL) {
      printf("Error opening district file\n");
      exit(1);
      }
// read the FTOC
if (read_ftoc(DFP, &my_ftoc) != 1) {
      printf("Error reading district file TOC\n");
      exit(1);
      }
//search the district file for the user
for (j = 1; (ret ==0) && (j<= my_ftoc.recs); j++) {
      rc = fread(&my_dist, sizeof(my_dist), 1, DFP);
      for (i = 0; (rc ==1) && (i< 2); i++)
            if ((strcmp(my_dist.admins[i].uid,uid_arg) == 0) &
                (strcmp(my_dist.admins[i].pw, pw_arg) == 0) )
                  ret = my_dist.did; // return found
     } // loop through the District file
```