```
/****
 *
 * Implementation of rolodex-menu.h.
 *
 * The implementation is partially stubbed in that it supplies only dummy
 * parameter values to model functions.  In particular, no data input dialogs
 * are displayed.
 *
 */

#include "rolodex-menu.h"


RolodexMenu::RolodexMenu(Name* n, Rolodex* r, RolodexMenuUI* rmui) :
        View(NULL, r) {
    /*
     * For convenience, save a copy of the model as a downcast value.
     */
    this->r = r;

    /*
     * Store the parent view.  Note that the parent view is not used in this
     * stubbed implementation.
     */
    this->rmui = rmui;

    /*
     * Make the window of this an IV pulldown menu.
     */
    w = pm = new PulldownMenu(n->ConstConvert());
}

RolodexMenu::~RolodexMenu() {
}

void RolodexMenu::Compose() {
    /*
     * Insert the six menu items, passing each the File model for subsequent
     * access in menu item Do functions.
     */
    pm->Include(new AddMenuItem(r, rmui));
    pm->Include(new DeleteMenuItem(r, rmui));
    pm->Include(new ChangeMenuItem(r, rmui));
    pm->Include(new FindMenuItem(r, rmui));
}

AddMenuItem::AddMenuItem(Rolodex* r, RolodexMenuUI* rmui) :
        MenuItem("Add ...") {
    this->r = r;
    this->rmui = rmui;
}

DeleteMenuItem::DeleteMenuItem(Rolodex* r, RolodexMenuUI* rmui) :
        MenuItem("Delete ...") {
    this->r = r;
    this->rmui = rmui;
}

ChangeMenuItem::ChangeMenuItem(Rolodex* r, RolodexMenuUI* rmui) :
        MenuItem("Change ...") {
    this->r = r;
    this->rmui = rmui;
}

FindMenuItem::FindMenuItem(Rolodex* r, RolodexMenuUI* rmui) :
        MenuItem("Find ...") {
    this->r = r;
    this->rmui = rmui;
}

void AddMenuItem::Do() {
    /*
     * Call the Rolodex::Add model function.
     */
    r->Add(NULL);
}

void DeleteMenuItem::Do() {
    /*
     * Call the Rolodex::Delete model function.
     */
    r->Delete(0);
}

void ChangeMenuItem::Do() {
    /*
     * Call the Rolodex::Change model function.
     */
    r->Change(0, NULL);
}

void FindMenuItem::Do() {
    /*
     * Call the Rolodex::Find model function.
     */
    r->Find(NULL);
}
```