

Brock Butler Class Design Document
CD–UI07-CourseManager Activity Class Design
Date Modified: 02/28/2013
Version: 1.0

Revision History

Date	Version	Change	Author
02/28/13	1.0	Initial Draft	Vince Pascuzzi

Description

CourseManager allows student to add, remove, modify courses.

Class Variables

ArrayList<Course> mCourses;

Methods

- **void init();**
 - Initializes all Views and Buttons.
- **ArrayList<Course> getRegisteredCourses();**
 - Retrieves registers courses from BrockButler database. In turn calls function written by Grisdale. Called in onCreate().
- **void populateViews();**
 - Calls getResgisteredCourses() and populates the course views.
- **ArrayList<String> getSubjects();**
 - Retrieves list of subjects from database. Used to populate drop-down menu when adding a course.
- **ArrayList<String> getCodes(String subj);**
 - Retrieves list of codes for a selected subject. This is called when a student selects a subject when adding a new course.
- **ArrayList<String> getOfferings(String subj, String code);**
 - Retrieves list of offerings for a given course.
- **void expandView(CourseView cv);**
 - Animates the expanding of a course view.

- **void collapseView(CourseView cv);**
 - Animates the collapsing of a course view.
- **void expandAll(CourseView [] cv);**
 - Expands all course views by calling expandView(cv) sequentially on each in array.
- **void collapseAll(CourseView [] cv);**
 - Collapses all course views.
- **Course addCourse();**
 - Displays dialog box to add a new course.
- **int commitAddCourse(Course c);**
 - Commits a new course by writing to database. Returns zero if commit successful; non-zero otherwise.
- **Course removeCourse();**
 - Displays verification dialog to remove a selected course.
- **int commitRemoveCourse(Course c);**
 - Commits a course removal from database. Returns zero if commit successful; non-zero otherwise

Class Design Sign-off

Name	Approval Status
Matthew Menonkariyll	
James Grisdale	
Taras Mychaskiw	