Brock Butler Class Design Document
CD–UI07-CourseManager Activity Class Design
Date Modified: 03/03/2013
Version: 1.1

Revision History

Date	Version	Change	Author
02/28/13	1.0	Initial Draft	Vince Pascuzzi
03/03/13	1.1	Added **getProgressMark(Course)**	Taras Mychaskiw

Description

CourseManager allows student to add, remove, modify courses.

Class Variables

- **ArrayList<Course> mCourses;**
  - List of all courses the user is currently in.

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().
- **double getProgressMark(Course c);**
  - Calculates the current mark in a course according to which Tasks have been entered.
- **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	
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