

Assignment 3

CSCI 5737.01 – Mobile Applications Development, Fall 2017

Due Date: 11-12-17, 11:55pm

Submission Guidelines

Prepare a folder that contains the Xcode project and upload the zipped folder to Blackboard.

Penalty for Late Submission

Late submissions not accepted.

Description of Assignment

The goal of this assignment is to practice how to implement database in your applications using Core Data framework. You must design and develop an iPhone app that allows its users to create and maintain a list of books borrowed from the library.

Following are the specific requirements:

- Using Core Data Framework, create a database of books
- Each book must have a title, author, subject name, and due date
- Add a category to your managed object subclass, and in this category add class methods to fetch, add, update and delete records
- Your app UI must implement following views:
 - A table view
 - Show current list of books from the database in the decreasing order of due dates (book with earliest due date is shown first).
 - The table view cells must be customized to show the book title in small font (black color) and due date in large bold font (blue color)
 - A detail view
 - Show the details of a selected book
 - Allow the user to update a selected book
 - Allow the user to delete a selected book
 - Allow the user to add a new book

Hints:

1. Make sure you select 'Use Core Data Framework' option when creating the Xcode project for the assignment
2. You can use the code from Hangman app for database creation and fetching records from the database