IS314
Assignment #2
Germonprez

Due: November 18, 2010

This project directly builds on the first project. In this project you add database functionality to the primary areas of:

1) **User Account Creation**: Allow users to create an account. This should enable users to submit the following pieces of information:
    a. First Name
    b. Last Name
    c. Desired User Name
    d. Desired Password
2) The new user information should be written to the database (likely its own table). Make sure that the password is written to the database in the MD5 format per the IST data hash.
3) You should not allow for duplicate usernames to be created.
4) **User Login**: Allow users to login through the system. The login must pull information from the database for the verification process. You cannot store the password locally in the application somewhere.
5) **Article Submission**: Allow logged in users to create new article submissions. This MUST include the following article fields:
    a. Article Title
    b. Article Description (Short)
    c. Article Category
    d. Article URL
6) When the newly submitted article is submitted to the database (likely its own table) you must also date/time stamp the article. This will be necessary for retrieving the articles later.
7) **Article Display:** You must display two types of article. These include:
    a. The three articles with the highest vote count
    b. The three most recently submitted articles

8) In addition to these primary components, your submission must include the following:
    a. Article Category must be populated with database information. This information cannot be hard coded into the application
    b. Stored procedures. All SQL statements must be interacted with through CALLS to the stored procedures located in the mySQL database.
    c. Try/Catch around your DB items
    d. Hide you DB login information in the system properties.

Grading notes for this assignment include the following:
1) -- netConnector to the database (.5 points)
2) -- Stored procedures (1 point)
3) -- Writing login/article the data to the database and appropriate tables (2.5 points)
4) -- Reading and displaying the data from the database and appropriate tables (3.5 points)
5) -- Hide database login information (.5 points)
6) – Hiding your DB login, handling all exceptions and providing code comments (1 point)
7) -- Including a comment on your experiences and difficulties and one tech tip (1 point)
8) -- Avoiding late deduction (10% per day)