assignment 3: Due Friday 2pm week 12

This assignment is worth 10% of the final mark for the unit.

Construct an MVC application. The application must connect to a datastore which contains at least two related tables/entities, eg Customers and Orders, Students and Classes, Car Manufacturers and Cars etc.

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1 Master Page

The site must contain a Master Page/default layout which contains a site banner and menu links.

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2 Home Page

The Home Page will contain some text describing the site and an appropriate logo/image.

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3 Content Pages

These pages must provide full CRUD functionality for the database tables to which they refer. The initial view should be an alphabetically sorted list. This view will also provide an option to allow the user to add a new record. The user can "drill-down" from the initial view for further details of a record. The details view will allow for editing and deleting of the particular record.

When adding or editing a record, validation should be used to display appropriate error messages.

Search Function
The user must be able to enter a search term and the application will return record(s) which match this term or part thereof. Indicate to the user which attribute they can search on, eg "last name" or "part number" etc.

jQuery Function
You must implement at least 3 jQuery functionalities such as :

- row highlighting
- alternating row colouring
- date-picker for entering dates

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4 Documentation

Reached via the Main Menu

This page will provide assignment documentation as required in the previous assignment.

1. Details of the author: name, student ID, this unit's name, unit provider (Monash University, The Caulfield School of Information Technology), assignment number, date of submission, tutors name, an email link to the author, a link to this assignment specification.
2. Image details. You must include the source of all images used in your assignment. This should take the form of a table with 2 columns (Image and Author). The Image column should contain the original image and the Author column should contain the organisation, website address or the person who own the copyright to the image. If you have received permission to use an image from the owner, this should be included here
3. Details of any additional MVC functionality you have included, including
   - Page which contains the functionality
   - Description of the functionality
4. Details of any jQuery functionality contained within your application. This should include
   - Page which contains the jQuery functionality
   - Description of the functionality
   - A link to the source of the jQuery library or libraries you have used

Additional Pass Requirements

You are required to submit a Learning Summary Report for the Unit as past of Assignment 3

5 Learning Summary Report.

Details of the Learning Summary Report are given in TASK LS Learning Summary Report under the Pass Tasks in the Assignment Section of moodle.

Distinction Requirements

Completing the requirements stated above may earn you up to a Credit grade for this assignment. In order to earn up to a Distinction grade you must complete additional features and the Design Report.

6 Additional Features.

Use appropriate jQuery or MVC functionality, such as jQuery UI, to implement additional features that will enhance your application [Normally 2 or 3 additional significant features or 5 or 6 minor features].

NOTE: The features used in Section 3 - Content Pages do not count toward these additional features.

7 Design Report

This Design report may build on your Assignment 2 Design report (if there is significant overlapping designs). If you have decided to change to a different application and design, then the design report

will need to be substantially updated.

The Design report should provide a detailed overview of the functionality of your application. In addition you can include mockups of your application. Consider including user stories, that are driving your design decisions. In your design document include a completed checklist of site functionality.

Your design report must demonstrate good communication skills, and present a well thought out application design. It must clearly communicate the abstractions being created, and outline how the functionality is organised.

Your design report must include the following:

- overview of your application's goals
- functional diagram illustrating how the core aspects of the application fit together.
- description of core application functionality and how it works.
- Usability Design Review (based on the Flow Bohl usability categories)
- checklist of site functionality.

Optional requirements (for Higher range of Distinction, once above requirements satisfied)

- user stories, that are driving your design decisions
- data dictionary of your application, including the main data structures and types used in your application.

A pdf version of the template as well as a word versions are linked:

FIT5032 Design Report Ass3.pdf

FIT5032 Design Report Ass3.docx

Submitting Assignment 3.

The assignment must be hosted on triton and submitted as a zipped file to moodle by the due date and time [**see the top of this page for the submission date**]. In addition ass3 should be submitted to Doubtfire (with screenshots and the design report) for feedback in the weeks before the final submission.

The ftp facility on the Triton server will be disabled at 2pm Melbourne time, on the date that the assignment is due **(see the Calendar on menu at left of screen for the submission date)**. By this time the assignment must have been transferred to your directory on the Triton server. At this time, an image is taken of student assignments and this is used for correction purposes. So although you may be able to transfer files after that time, they will not be considered for correction. Consequently, do not leave it to the last day to transfer files.

You must test the transfer procedure well before time to make sure you know how it works. After you have transferred your assignment, test it thoroughly. Do not assume that just because the assignment works properly from your local machine (usng Visual Studio), that it will also work properly from the student server.

To view your assignment after it has been transferred, point your browser to:

http://triton.infotech.monash.edu.au/fit5032_**99999999**_ass3/

Note: insert your ID number in place of "**99999999**". You will be prompted for username and password: that is your triton (authcate) username and password.

Special consideration in cases of sickness or other serious cause, for which a special consideration form and documentary evidence (e.g. a doctor's certificate) must be produced. **Students must request an extension prior to the submission date.**

After marking you will receive the feedback and grading for the assignment.

Remember, feedback and grading will be awarded for the assignment that has been set, not the assignment you might like to do. Make sure that the various features are on the pages as detailed above: if you place a feature on the wrong page you may not get recognition for that feature.

The author must write all submitted web pages. Where there is evidence of similarity with other assignments, students will be heavily penalised. Students may be interviewed as part of the assessment requirements of the assignment. Students will be asked question(s) to explain their submitted assignment. If a question is not answered satisfactorily, a reduced grade will be awarded.

Last modified: Friday, 7 August 2015, 1:24 PM