

ASSESSMENT 2
TECHNICAL
DOCUMENT

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Group Members

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Login Credential to Use web Application

Customer Credentials

Name: joe@example.com

Password: Password#1

Employee Credentials

Name: karl@usedbooksales.com.au

Password: Password#1

Access Online Database (Optional)

Microsoft SQL Server Management Studio

Server name: inft3050book.database.windows.net

Login: editAdmin

Password: INFT3050!

The connection string is already setup in the Web.config file.

Note: There are currently no existing orders in the database. Orders will be populated in the database once a customer has ordered a book/books using the web app.

Business Rules

- Thumbnail images should not be sized over 200x200 pixels
- Any file extension can be used for images e.g. jpg, png
- Images can be added using an online source or added to the images file

Design Decisions

We primarily looked at the Amazon.com, Barnesandnoble.com and Coop.com for ideas on how to design our interface to be useful and attractive to our target demographic. We used icons to represent links such as search and the shopping cart in the navbar. This was done to save space and improve the accessibility of the interface.

- We have a splash page for best-selling books based on coop.com.au book page.
- Selected a bootstrap theme that best suited the way we wanted our site to look
- Created a drop-down menu in both admin and customer pages to reduce nav bar clutter

- For admin pages used tables and grid views were used so that data was easily readable
- On an individual book's page, a larger image of the cover is displayed next to the information of the book. This gives the user a better view of the cover and may encourage purchase.
- Using master pages, all necessary links are consistently displayed across all pages.

Changes Made Since Part 1

UI Changes

- Changed the "Books" dropdown list which would let you select categories to hyperlinks on the navbar. This was done because of a current issue with bootstrap which causes drop down lists not to work when implementing friendly URLs.
- Changed the way a book is added to the database in the admin pages. Originally a book would have been added via a table on the AdminPortal.aspx page. Due to the large amount of information needed to add a book, we have changed this to be implemented over multiple pages when clicking the add book button.
- The Checkout page was modified to use the dummy payment system.
- The link to cart was added to the Site.Master so that users that are not logged in have access the cart.
- Created pages used for payment confirmation, password recovery and admin account verification.

Database Changes

- Change most primary keys in to "INTEGER IDENTITY" so that the Primary key will auto increment when adding a new entry.
- Added isActive attribute to item so that items can be deactivated by an administrator.
- Changed the Name attribute in the category entity to "VARCHAR".
- Added validationKey and isVerified to the webSiteUser entity. These are used for user validation and verification.
- Removed the redundant customer entity
- Added the isActive attribute to the postageOption entity to allow administrators to deactivate postage options
- Added the shippingAddress entity to the orders entity
- Removed the userAddress and customerAddress entities
- Added the shippingAddress entity to store customer shipping addresses
- Created a full text index on book(title) to enable search functionality on the search page

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