

Context:

This document contains assignments to be completed as part of the hands-on for the MVC – Iteration 3.

ASP.Net MVC Lab

Books Catalog Application

Part: 1

Duration: 20 Minutes

1. Create the following database tables

Table Name: Books

BookID	BookName	ISBN	Author	Price

Table Name: IssueBooks

IssueID	BookID	DateOfIssue	ReturnDate	MembershipName

Table Name: ReturnBooks

ReturnID	IssueID	DateOfReturn

Insert few records into all the tables.

Part: 2

Duration: 1 hour and 30 Minutes

1. Create an empty ASP.Net MVC application
2. Add a BooksCatalog, IssueBooks, ReturnBooks Controller
3. Add an Index Action Method
4. Create an Entity Model for Books, IssueBooks, ReturnBooks table
5. Provide an appropriate validation on the Book, IssueBook, ReturnBook entity model

6. Add a strongly typed view for Book, IssueBook, ReturnBook model
7. Create a DAL for fetching List of Books and other methods for CRUD operations
8. Create a DAL for IssueBooks, ReturnBooks for CRUD operations
9. Return a View from Index action method to show the list of Books for Books Catalog Application

Part: 3

Duration: 1 hour and 30 Minutes

1. Implement Create New Book feature
2. Provide Client side and Server side model validation
3. Implement Delete Book feature
4. Implement Delete ReturnBooks feature
5. Book should be deleted after getting the confirmation from the user
6. Return Books should be deleted after getting the confirmation from the user
7. Implement Edit Books details feature
8. Implement Edit IssueBooks, ReturnBooks details feature

Part: 4

Duration: 1 hour and 30 Minutes

1. Implement Search Books feature based on either book name or author name in Index view
2. Implement Search for Issue Books feature based on either MembershipName or DateofIssue in Index view.
3. Implement Search for Return Books feature based on DateofReturn in Index View.

Part: 5

Duration: 1 hour

1. Create a Layout and apply it to all the views
2. Secure the Delete feature from anonymous users