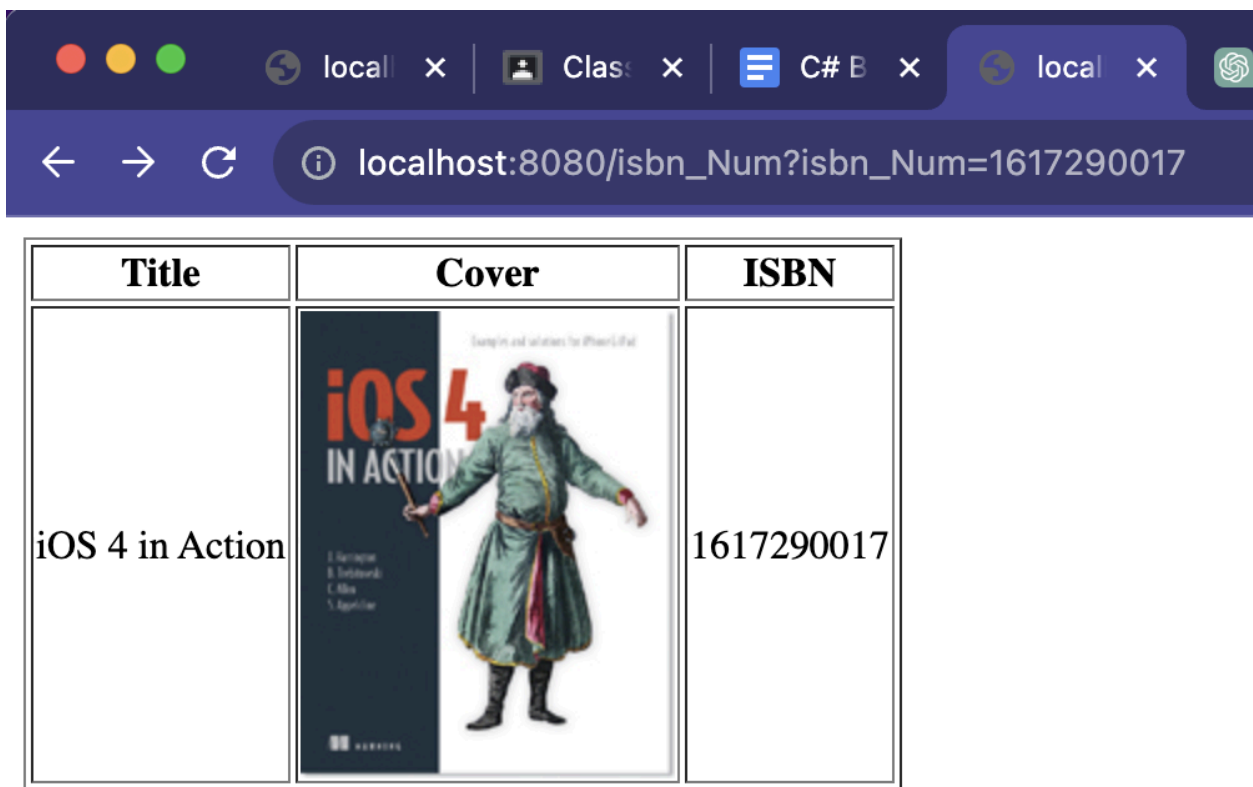



# New Feature for the Big Code

The new feature that I added is a Servlet called `IsbnNum`. This feature takes an isbn number from the url and returns all the books with that isbn number. For example, if the request parameter is [http://localhost:8080/isbn\\_Num?isbn\\_Num=1617290017](http://localhost:8080/isbn_Num?isbn_Num=1617290017) , it displays the the title, cover image and isbn number of the book, which in this is :



Title	Cover	ISBN
iOS 4 in Action		1617290017

```
class IsbnNum : IServlet {  
    // Gives the book for a given isbn number  
    private List<Book> books;  
  
    public IsbnNum(){  
        var options = new JsonSerializerOptions  
        {  
            PropertyNameCaseInsensitive = true  
        }  
    }  
}
```

```
};

string text = File.ReadAllText(@"json/books.json");
books = JsonSerializer.Deserialize<List<Book>>(text, options);
}

public void ProcessRequest(HttpListenerContext context) {
    if(!context.Request.QueryString.AllKeys.Contains("isbn_Num")){
        context.Response.StatusCode = (int)HttpStatusCode.BadRequest;
        return;
    }
    string isbn_Num = context.Request.QueryString["isbn_Num"];
    string response = @$"
<table border=1>
<tr>
<th>Title</th>
<th>Cover</th>
<th>ISBN</th>
</tr>
";
    foreach(Book book in books){
        // checks every book
        string actual_isbn = book.Isbn;
        // displays only the books with the given isbn number
        if(actual_isbn != null && actual_isbn.Contains(isbn_Num)){
            response += @$"
<tr>
<td>{book.Title}</td>
<td><img src= '{book.ThumbnailUrl}' /></td>
<td>{book.Isbn}</td>
</tr>
";
        }
    }
    response += @"
</table>
</body>
</html>
";

    // Set the content type of the response to HTML
    context.Response.ContentType = "text/html";

    // Get the response stream and write the HTML response to it
    using (var writer = new StreamWriter(context.Response.OutputStream))
    {
        writer.Write(response);
    }

    // Close the response stream
    context.Response.Close();
}
}
```

