Workshop

What should we do?

A website that lists and saves books.

When you are finished, you can (if you wish) upload your solution to the "Workshop" folder on Blackboard.
This allows the groups to see each other's solutions, which will probably be designed with some variation.

From 1

What functionality should the website have?

1. Add a new book with a title.
2. Remove a book from the list.
3. Update a book.
4. View all saved books.

How should we develop? (main steps)

1. Create a new Visual Studio solution ASP.NET Core Web App (Model-View-Controller).
2. Add Entity Framework Core
3. Create models and the DbContext class.
4. Create controllers and views
5. Create EF migrations the first time and after changes to the data model.

From 2

Add the following functionality:

1. Books can have one author and one author can have written many books. Create entity classes and
   tables to represent this. Note the following:
      a. When the user deletes a book, the author should not be deleted.
      b. When the author is removed, the book should not be deleted, it will just become authorless/anonymous
         Author.
2. A page for details about a book
3. A book can have one or many genres and genres can have many books.
      a. When the user deletes a book, the genre should not be deleted.
4. List and display all books made by an author.
5. List and display all books belonging to a particular genre
6. Use ASP.NET Core Identity to enable user registration and login (controllers, models, and views for this can be
   taken from the lecture project) and ensure that certain parts can only be accessed by logged in users.