

Assignment #2

SWEN 344: Web Engineering

Due Date on 26/11/2023 at 11:00 PM

QUESTION 1:

[10 POINTS]

Create a new ASP.NET Core MVC web application called "Publication," then complete the following task:

- A. [2 POINTS] Create a *model* named **Chapter** considering the following requirements.

Chapter	
<i>ChapterId</i>	<i>Primary Key</i>
<i>Name</i>	<i>The database type should be a national character with a maximum of 60 characters.</i>

- B. [2 POINTS] Create a *model* named **Book** considering the following requirements.

Book	
<i>BookId</i>	<i>Primary Key</i>
<i>Title</i>	<i>Required with the error message "Please enter a title!"</i>

- C. [2 POINTS] Given that *each Book* can have *many Chapters*, update the models to include whatever is required to establish an appropriate *relationship* between the two models.
- D. [1 POINT] Generate all the required MVC *controllers* with *views*, using *Entity Framework*.
- E. [1 POINT] On the appropriate file, customize the *connection string* so that the database should be "**PUB_DB**" and use *SQL Server authentication*.
- F. [1 POINT] Add database *migration* called "**CreateDatabase**," then *update* the database.
- G. [1 POINT] On the *Book details view*, add one *calculated* field to display the *total number of Book Chapters*.

Note:

- *Attach your complete project folder compressed after deleting both **bin** & **obj** folders.*
- *Similar projects (Copy/paste) will be graded Zero for all.*

Good Luck