CAPSTONE: WEB-BASED TASK LIST

Task: Create a web-based task manager using the starter IdentityExample1. To start:

1. Clone the updated project at https://github.com/pguenthe/DapperIdentity

2. Make a database named IdentityExample1, USE it (SQL statement), then run the SQL script at

https://github.com/grandchamp/Identity.Dapper/blob/master/IdentityTablesSqlServer.sql

3. Test that the existing app works!!

4. Create a new database table within the IdentityExample1 database for the task described

below.

5. Create Model, Controller, and Views to accomplish the build specs below.

What Will the Application Do?

● 4 Points: Once logged in, the user can create a new task. Tasks consist of:

o Primary Key Id (int)

o Foreign Key: The ID of the user who owns it (user doesn’t get to edit this field)

o A task description

o The due date

o Whether it’s complete or not

(1 point for db table, 1 point for model, 2 points for DAL to handle data interactions)

● 2 Points: The user should see a list of all tasks they own (1 point for Controller Action, 1

point for View)

● 2 Points: There should be a button or checkbox on this view to mark an individual task

complete (1 point for Controller action to toggle the value, 1 point for updating the database)

● 2 Points: There should be a button to delete the task (1 point for Controller action including

redirect, 1 point for updating the database)

Hints

● When making the SQL call for which tasks to display, show only the tasks which have this

user’s ID

Additional Requirements

● -2 Points: If there are any syntax errors or if the program does not run.

Extended Challenges

● Let the user search for a task by a word or words in the description

● Let the user sort or filter by due date

● Let the user sort or filter by completion status

● Confirm with the user before deleting a task

● Try implementing a change password form for the user

E: 10-9 M: 6 - 8 D: 0 - 5