COMP-4870-0 - Full-Stack Web Appln Developmt - ...   ✉ 💬 🔔   HL

Code 1'st Development Province/City Lab

Start with an ASP.NET Core 5.0 MVC web app with individual user authentication.

You will create class models for two related entities and produce the database objects using code 1'st development:

Entity 1: City

	Type	Display	Comment
CityId	Integer		Key
CityName	String	City	Example: Surrey
Population	Integer		Example: 300,000
Province			Example: BC

Entity 2: Province

	Type	Display	Comment
ProvinceCode	String	Province Code	Key, Example: BC
ProvinceName	String	Province	Example: British Columbia
Cities	Collection		Example: Surrey, Richmond, Coquitlam, ...

Both above entities will use the *ApplicationDbConext* context.

Seed both *City* & *Province* entities with dummy data. There should be at least three provinces, with three cities in each province.

Scaffold data entry screens for both these *city* & *province* entities. Make sure that a drop-down-list for provinces appears on create & edit views pertaining to cities.

Deploy your app to Azure through GitHub Actions. You can develop your application

with either VS-Code or Visual Studio 2019.

Here are some useful terminal *dotnet* commands that you must re-purpose:

```
dotnet-ef migrations add M1 -o Data/Migrations

dotnet-ef database update
```

This lab is due on Tuesday January 26, 2021 at 11:59 PM.

Test:

- App deployed to Azure through GitHub Actions (DevOps)
- Code 1'st being used
- Data being seeded
- ProvinceCode is PK
- Menu items on home page for Province & City

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Activity Details

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