



Advanced Topics in Internet Programming

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Grade	12.50 out of 15.00 (83.33%)

Question 1

Correct

Mark 1.00 out of 1.00

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What's the meaning of the PUT method in an API:

Select one:

- ☐ a. Retrieve all data within API
- ☐ b. Delete data form api app
- ☐ c. Add new data to api app
- ☐ d. Retrieve specific data within API based on id
- ☒ e. Edit some data within an api app ✓

The correct answer is:

Edit some data within an api app

Question 2

Correct

Mark 1.00 out of 1.00

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Initial Catalog, in the connection string means:

Select one:

- ☐ a. authentication method
- ☐ b. table name
- ☐ c. Server name
- ☒ d. database name ✓

The correct answer is:

database name

Question

Rows within DB tables used to represent:

Question

3

Correct

Mark 1.00 out of 1.00

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rows within DB tables used to represent

Select one:

- ☒ a. Records ✓
- ☐ b. SQL statements
- ☐ c. Fields
- ☐ d. DB Views
- ☐ e. Constraints

The correct answer is:
Records

Question

4

Correct

Mark 0.50 out of 0.50

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Which one of the following is not considered as DB engine:

Select one:

- ☐ a. MySQL
- ☒ b. SQL ✓
- ☐ c. Oracle
- ☐ d. SQLITE
- ☐ e. DB2
- ☐ f. SQL Server

The correct answer is:
SQL

Question

5

Incorrect

Mark 0.00 out of 0.50

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The main purpose of the Entity Framework is to:

Select one:

- ☐ a. Add the ability for developers to work on a model close to relational model as objects
- ☒ b. Allow developers to use objects and classes of the database itself ✗
- ☐ c. Used to build a dashboard apps for MVC apps and help in services within API apps
- ☐ d. Build an object database model to be used within MVC/API apps
- ☐ e. Convert DB and Tables into set of frameworks to be useful in development

The correct answer is:
Add the ability for developers to work on a model close to relational model as objects

Question 6

Correct

Mark 0.50 out of 0.50

[Flag question](#)

Integrated Security=True, in the connection string refers to:

Select one:

- ☐ a. SQL Server authentication
- ☐ b. Server name
- ☒ c. Windows Credentials authentication ✓
- ☐ d. Connection Timeout

The correct answer is:

Windows Credentials authentication

Question 7

Correct

Mark 1.00 out of 1.00

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What's the main purpose of the DB?

Select one:

- ☐ a. Can be represented using DB tables
- ☒ b. Serves as storage of some data and information ✓
- ☐ c. To migrate from one engine to another
- ☐ d. Introduces a model to represent data, like ER and ORM
- ☐ e. To exchange data from one machine to another

The correct answer is:

Serves as storage of some data and information

Question 8

Correct

Mark 1.00 out of 1.00

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What are the parameters used to set the Identity specification for a field(s) within a DB table;

Select one:

- ☐ a. Min and Max values
- ☐ b. auto-increment and step
- ☐ c. Value and Step
- ☒ d. Increment and Seed ✓
- ☐ e. Up and Down values

The correct answer is:

Increment and Seed

Question 9

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Which one of the following is not correct about WEB APIs:

Select one:

- ☐ a. Contains Controller and Model classes
- ☐ b. Exchange data via some methods and attributes
- ☐ c. Needs an engine or interface app in order to be running
- ☒ d. Can deal with UI within the same app ✓
- ☐ e. The returned data can be in json file or xml file

The correct answer is:

Can deal with UI within the same app

Question 10

Correct

Mark 1.00 out of 1.00

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Which one of the following best describes fields within DB tables:

Select one:

- ☐ a. Fields used to fix constraints and indexes within DB tables
- ☐ b. Used to build the relations between tables
- ☒ c. Represents DB table structure ✓
- ☐ d. Fields can be primary keys or foreign keys
- ☐ e. Fields are part of SQL statements

The correct answer is:

Represents DB table structure

Question 11

Correct

Mark 1.00 out of 1.00

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What's the name of the class used to reflect the Database

Select one:

- ☐ a. DB Class
- ☐ b. DbSet
- ☒ c. DbContext ✓
- ☐ d. Table Class
- ☐ e. EntityFrameworkCore

The correct answer is: DbContext

Question 12

Correct

Mark 1.00 out of 1.00

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The server used to install EF packages, is:

Select one:

- ☐ a. DLL Server
- ☐ b. ORM Server
- ☒ c. Nuget Server ✓
- ☐ d. Private Server
- ☐ e. Microsoft Server

The correct answer is:
Nuget Server

Question 13

Correct

Mark 1.00 out of 1.00

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Which one of the following is not considered as a valid SQL server datatype:

Select one:

- ☐ a. sql_variant
- ☐ b. xml
- ☐ c. timestamp
- ☒ d. bool ✓
- ☐ e. image

The correct answer is:
bool

Question 14

Correct

Mark 1.00 out of 1.00

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What's the name of the file used to set the connection string parameters and values

Select one:

- ☐ a. appsetting.cs
- ☐ b. appsettings.Development.json
- ☒ c. appsettings.json ✓
- ☐ d. <YourProjectName>.csproj
- ☐ e. apsettings.mdf

The correct answer is: appsettings.json

Question 15

Incorrect

Mark 0.00 out of
1.00

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What's the name of the class used to reflect the DB Table

Select one:

- ☒ a. DbContext ❌
- ☐ b. DB Class
- ☐ c. Table Class
- ☐ d. EntityFrameworkCore
- ☐ e. DbSet

The correct answer is:
DbSet

Question 16

Incorrect

Mark 0.00 out of
1.00

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What are the correct steps in order to create a dashboard of a Database Table, using the same way in the class:

Select one:

- ☐ a. Create the DB, then the Model Class
- ☒ b. Create the Model class, then the DB and Controller ❌
- ☐ c. Create the DB, then the Model Class
- ☐ d. Create the Controller, then the Views and Model files
- ☐ e. Create the DB, then the Controller Class

The correct answer is:
Create the DB, then the Model Class

Question 17

Correct

Mark 0.50 out of
0.50

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The default DB instance in SQL Server is:

Select one:

- ☐ a. Localhost
- ☒ b. MSSQLLocalDB ✔️
- ☐ c. MSServer
- ☐ d. MSSQLDB

The correct answer is:
MSSQLLocalDB

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