

## A sample multiple-choice exam for Development 5 2017-2018

Note, for every question the <\*> symbol indicates the correct answer

Q1: EF can resolve an N-to-N relationship just by following the provided classes' structure:

- Yes
  - No \*
  - Yes, if you use C#
  - No, if you use Typescript
- 

Q2:What does the following code do in a given Context class?

...

```
protected override
void OnConfiguring (DbContextOptionsBuilder optionsBuilder) {
    optionsBuilder.UseSqlite ("Data Source=Movie.db");
}
```

...

-It connects the current Context to a database called "Data Source=Movie.db"

-It connects the current Context to an Sqlite database \*

-It gives a compilation error

-It connects the current Context to a Postgres database

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Q3: In which part of the HTTP GET message are the parameters sent:

- Footer
- Header \*
- Body
- CSS

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Q4: The code 404 is returned when?

- The parameters are missing
- Requesting a non-existing URI \*
- The server is unreachable
- The client is using an old version of JavaScript

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Q5: Given the following Typescript code, how many different types does the expression `<type AB = A & B>` generate?

`type A = { x:"A1" | "A2" }`

`type B = { y:"B1" | "B2" | "B3" }`

`type AB = A & B`

- 5
- 4
- 3
- 6 \*

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Q6: Does the following expression force the re-rendering of the component `<this.state.x = 1>`?

- Yes
- No, because X cannot be a number
- No \*
- Yes, as long as the component is running on an asynchronous thread

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Q7: Is the MVC design pattern suitable for both desktop and web applications?

- No

-Yes, as long as the View and the Controller are implemented in C#

-Yes \*

-Partially, as long as the model supports Postgres

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Q8: What does the following code render on the screen when Model.Message is a list with elements 1,2,3,4,5?

...

```
@foreach(var t in Model.Message){
```

```
    <span>@t</span>
```

```
}
```

...

-ttttt

-tatatatata

-12345 \*

-01234

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Q9: Pagination is used to?

-Store data as pages in the database

-Retrieve only those records from the database that must be displayed for the particular page of data requested by the user \*

-Protect users' identity

-Retrieve all the records from the database but view them as pages

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Q10: What does the render method of a React component return?

- Any type of objects

- A HTML object \*

- The page to render after one second
- Nothing, since the rendering in react is done automatically