Cupcake Corner

Which of these statements are true?

Click on any answer to show more detail.

1. **Correct**

   Option 1: If a Swift struct is made up only of properties that conform to `Codable`, the whole struct itself can conform to `Codable`.

   Option 2: When the `disabled()` modifier is given a false condition, the view it's attached to stops responding to user interactivity.

   You selected Option 1.

2. **Correct**

   Option 1: We can create an enum to give a type some specific coding keys, but we must name it `CodingKeys`.

   Option 2: Grand Central Dispatch is Apple's framework for running work across multiple threads.

   You selected Option 2.

3. **Correct**

   Option 1: Swifts arrays use generics.

   Option 2: We can check whether one or both of a Boolean is true using `OR`, for example `booleanA OR booleanB`

   You selected Option 1.

4. **Correct**

   Option 1: The `@Published` property wrapper places our properties inside a `Published` struct.

Option 2: The `disabled()` modifier can read any kind of property, but must not be used with methods.

You selected Option 1.

5. **Correct**

> **Option 1:** We shouldn't decode JSON on a background thread.
>
> **Option 2:** Creating a URL from a string returns an optional `URL`.
>
> You selected Option 2.

6. **Correct**

> **Option 1:** Strings, integers, and Booleans already conform to `Codable`.
>
> **Option 2:** `URLRequest` can fetch data from the internet using a shared queue.
>
> You selected Option 1.

7. **Correct**

> **Option 1:** The `CodingKey` protocol lets us list the properties we want to archive and unarchive as enum cases.
>
> **Option 2:** An `@ObservedObject` struct will notify all views that use it when one of its `@Published` properties change.
>
> You selected Option 1.

8. **Correct**

> **Option 1:** We should always change our user interface on the main thread.
>
> **Option 2:** MIME types were invented by silent theatre actors who like pretending they are trapped in a box.
>
> You selected Option 1.

9. **Correct**

Option 1: It's common to use the `shared` property of `URLSession` rather than creating a new session ourselves.

Option 2: If we have the choice, going for a stringly typed API is always preferable.

You selected Option 1.

10. **Correct**

Option 1: HTTP GET calls are designed to read data, and POST calls are designed to write data.

Option 2: HTTP POST calls are designed to read data, and GET calls are designed to write data.

You selected Option 1.

11. **Correct**

Option 1: Initializers must always accept parameters that match the properties in the class.

Option 2: When a `URLSession` data task completes, it might send us data or an error, but not both.

You selected Option 2.

12. **Correct**

Option 1: You only need to call `resume()` on a data task if you're using HTTP POST calls.

Option 2: The `Codable` protocol is actually a combination of `Encodable` and `Decodable`.

You selected Option 2.

Total score: 12/12

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