**Part 1 - Code Review**

1. Class name should follow Upper CamelCase therefore should be changed to SomeVC
2. CollectionVIew protocol conformance should be added as a separate extension to clean up the class and separate collection view logic
3. Missing weak references for IBOutlets to break reference cycles with Interface Builder as view hierarchy already has strong reference
4. DataArray should have some concrete type to avoid unnecessary casting
5. CollectionVIew cell registration, delegate and source assignments should be done in ViewDidLoad not when the view is going to appear as it could lead to performance issues
6. FetchData should be called in ViewDidLoad because network request takes longer to finish and should be initiated as soon as the view was created and loaded
7. DismissController has not been implemented
8. In fetchData url assignment is unsafe, should be used with guard instead, url string is not correct
9. Task has strong reference to self, should be weak or unowned self
10. Assignment of type Data to dataArray of type [Any] will always fail, should be used serialization and casting.
11. Data is optional so should be used with optional binding “guard let” or “if let”.
12. Error checking is missing if the task failed to load data
13. CollectionVIew.reloadData() should be called from a main thread. Should be dispatched to the main thread using DispatchQueue.main.async {}
14. Close details method has a typo, names of close and show details are not should follow the same naming principles.
15. Unnecessary added @IBAction annotation to the methods that are not connected to the Interface Builder
16. In UIView.animate completion blocks different items are added and removed, assume detailVC should be changed to detailView.removeFromSuperView?
17. CollectionVIew methods should be in a separate extension
18. Unnecessary open access modifier added to CollectionVIew layout method
19. Calculations for size dimensions are using “magic numbers” and are ambiguous for a developer not familiar with the code
20. In multiple places used unnecessary reference to self, should only be used in closures and when enforced by the compiler because of ambiguity, otherwise should be removed
21. Collection view cell creation is not implemented
22. Collection View Cell identifier should be used as a property not a string which could lead to a typo and cause app to crash. Could be created enum with SSOT or added identifier inside of a cell