

This assignment is due by the date on the dropbox. Submit your document in .docx or .pdf format.

Read the *MVC and HTTP Server Design* presentation on mycourses. The following questions are based on that presentation.

**Design Patterns:**

1. In your own words, what is a design pattern?
2. Choose one of the following design patterns and do some brief research on it. Explain the pattern’s use in your own words. ***Please indicate which pattern you chose.***

For some of the patterns, you can find descriptions here <http://addyosmani.com/resources/essentialjsdesignpatterns/book/>

* Prototype pattern
* Factory pattern
* Mixin pattern
* Decorator pattern
* Façade pattern
* Observer pattern
* Publish Subscribe (pubsub)

1. In your own words, what is an architectural pattern?
2. What is MVC and what are the components of MVC?
3. What is MVVM and what are the components of MVVM?

**Rubric**

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| --- | --- | --- | --- |
| DESCRIPTION | | SCORE | VALUE % |
|  |
|  | **Each answer is correct.** |  | **20 points each** |
|  | **Not submitted in a .docx or .pdf** |  | **-30%** |
|  |
|  | **TOTAL** |  | **100%** |

**Submission:**

By the due date please submit a .docx or .pdf of your answers for this assignment.   
Do **NOT** submit in a zip. Please submit the raw .docx or .pdf file.