2. System Architectural Design

MVC Architecture

Why MVC Architecture?

* Our website is a big website and a kind of social website. MVC architecture separate a product (website, win form, phone app …) to three parts that help us easier to build – develop – test – control project.
* MVC architecture can run with any environment or language, so in the future if we want to another instance for our website on Mobile Phone or Desktop Computer, We can do it easily.

2.1 Web Architecture

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| --- | --- |
| Model – View – Controller Architecture | |
| User (Web browser) | Forward/Redirect  Business logic  Send Request  Process Request  Call  Call  Select  View  Result |
| Controller | Forward/Redirect |
| Model |  |
| View |  |

* Model is the part of the application that handles the logic for the application data. Model often receives data from database, process business, and then sends result to Controller.
* View is the part of the application that handles the display of the data. View often receives data from Controller and shows the data to user.
* Controller is the part of the application that handles user interaction. Controller often receives request from user, sends request to suitable Model, receives result from Model, and sends result to suitable View.