## Hardware Software Mapping

To make it easier for us to work, we decided to use nodes in Online Ticket project. We created three nodes. These are; Business layer node, data access layer node and presentation layer node. We make sure that the data sent in the presentation layer is understandable by the other computer. Presentation Layer will run codes; contains Html and CSS and then it offers web browser like as Mozilla Firefox and Google chrome. Data Access layer will run on PDO in Mysql Workbench. We used a lot of systems while creating sub-builds and because of deployment our system on different nodes. This nodes need to communicate with each other. We communicate with MVC (Model-View-Controller). The system will be overloaded during registration and many users will try to access the tickets. Data access layer node and business layer node will receive ticket requests from users.

## Global Software Control

Online Ticket users always trust. So the online ticketing system should be secure. Online Ticket is safety. And also Online Ticket provides thread safety. That means, Online Ticket system is multi-threaded program. The online ticket should be served at the same time without the problem of many people (users,admin,regulator etc.). Also some functions of Online Ticket should be simultaneous. In addition to, the thread introduces many system problems during debugging and testing. Such as, in our design, when users buy a one-time ticket, the tickets need to be simultaneous, because many users can try to get the same tickets at the same time. This would be a violation of our Online Ticket system.