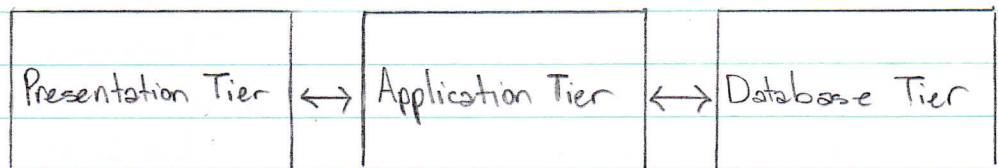Week 7

1. MotorSpecs will use a three-tier software architecture. As a company-owned Web Application for measuring and viewing data, the application will most-likely undergo several changes, whether it may be updating the database or changing the user interface. A three-tier software architecture would allow easier and more efficient changes to be made to the application. It will be easier and more efficient as a change in a single tier/layer will only affect the altered layer without making drastic changes to other layers. (e.g. A change in the GUI in the presentation tier would only affect code in the presentation layer). As MotorSpecs has a user interface, applications, and a database, a three-tier software architecture is most optimal.

2.

Presentation Tier	↔	Application Tier	↔	Database Tier

– Logical Diagram of MotorSpecs