**Development Model & Justification: Agile**

I selected the development model agile. This exact model follows structure of developing a software solution through iteration where each part of the software solution goes through different cycles from planning to design to development to testing to evaluation repeating these steps for each section of the software solution. This provides being able to communication with the client between cycles creating the ability to modify the sections of the software solution during development creating more involvement with the client and less risk with the development like capable of responding to real-world changes as the project proceeds also segments the project into parts over the timeframe of the project with early first products of the software solution developed giving an idea of how it is going to look and if parts need to be changed.

I chose agile because my software solution is very versatile meaning as I develop it, Parts of it might get changed or removed or added. This is perfect with agile as I go through multiple development stages so I can change things along the way easily also it helps create quick and early preview products of the solution so I can see if things to need to be changed before it must be finalized. I picked agile also cause my software solution is better shown as a working project than comprehensive documentation which agile supports more working software over documentation. Problems might rise if I aren’t careful with speed of each cycle as I could get stuck and might not finish the software solution in the timeframe provide for it also changes may be inconsistent with previous development so will have to make sure development goes smoothly by making sure I don’t get side tracked with time and different changes which will require me to develop it carefully with each sprint but not too slow.