Notes

1. SOA = Service-Oriented Architecture is a software design paradigm where services are provided from one API resource to another API resource through a communication protocol over a network
   1. Properties
      1. SOA is a response to need for software that functions in the heterogeneous and distributed environments of today
         1. Loosely coupled services + service interface + protocol = essence of SOA
         2. Service bus = a common interface & set of protocols for services to communicate
         3. “Integrate diverse services through a common logic that guides users through the service chain/service use
         4. …
         5. An architecture oriented around services….
         6. A Service oriented architecture
      2. Focuses on services over components
      3. Interoperability & cross platform
      4. Loosely coupled & distributed
      5. Needs a high level of abstraction
2. SOAP
   1. Simple Object Access Protocol
3. Benefits of loosely coupling
4. .NET usage of git
   1. Just know that there are different SOP’s for using git
5. Recreate the actual MVC as an API
   1. Reference the Logic, Models, Repo (recall they are like their own projects)
6. If you want to create an MVC as an API you only need to change the front-end
7. Swagger & open API practically synonymous
   1. Why?
8. Copy +Pasting Special from successful (200 level) API output allows you to create class objects of the JSON structure in VS
9. Swagger also allows access to the JSON format of the output
   1. This enables us to create clients
10. Documenting REST APIs & OPEN OPI
    1. Swagger
    2. Postman