Question 1 (A) **What is an API?**

Answer A) an application programming interface.

Question 1 (B) **Why is an API necessary?**

It allows for different applications to communicate with each other. It sets a standard for how specific things are transferred between each other

Question 2) **What are common HTTP Verbs we use:**

Answer) POST, PUT, GET, PATCH, and Delete.

Question 3) **What are some things that can go into an HTTP Header?**

Answer) Authentication, Conditionals and Cookies

Question 4) **What information goes into the body?**

Answer) information that you would want to be sent to the server

Question 5) **What HTTP verbs can have a body?**

Answer) PUT, POST, and PATCH.

Question 6) **What do path parameters do? (/products/{id})**

Answer) they allow you control over the representation of a specific resource

Question 7) **When would you use a path parameter?**

Answer)when you want to identify one or more different resources

Question 8)

**Practice Designing a RESTFul Schema**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [ACTION] | <Parameters> | /PATH {':' denotes Params} | Result | Description |
| Create User | createNew:001  Name: “Hloveday”  PW:165s1d6g51g5 | /Users | Name: “Hloveday”  PW: “165s1d6g51g5” | User was added to DB |
| Read | Output:002  Name:”Hloveday” | Helio/Users | Name:“Hloveday” | Information in DB was displayed |
| Delete | Delete:003  Name “badUser”  PW | Helio/Users | Deleted: “badUser” | User or info in DB was updated |
| Forgot PW | updateUser:004  Name: “Hloveday”  PW: “165s1d6g51g5”  newPW:  “sd;fjlk;lkdj” | Helio/Users | Name: “Hloveday”  newPW: sd;fjlk;lkdj | Updated password to new password |