1. **Explain the 7-step design procedure.** The 7-step design procedure is what we should follow as developers when creating an API. It helps us get a clear idea what we should be doing and working towards on each step.

Step 1 **–** Find out what your client is looking for then list all the information that a client might want to get from the created API.

Step 2 – Draw the state diagram for the API.

Step 3 – Reconcile each string from any existing profiles.

Step 4 – Choose your media type or even create a new one.

Step 5 – Write out a profile that documents the applications semantics.

Step 6 – Write the code and create that HTTP server.

Step 7 – Publish

1. **Explain the versioning process for media types and profiles.** Versioning is pretty helpful for both the developer and for the customer. Normally when you have big changes/updates you would change your update to a bigger number such as 1.0 where as with some small changes you would do something like 1.0.1 since it was a small change. Applications, games, and pretty much anything you can think of does this type of versioning.

Bibliography

Richardson, Leonard. RESTful Web APIs: Services for a Changing World . O'Reilly Media.