

Group Four

# Describe how to use HTTP METHODS appropriately for different API operations.

- HTTP Methods are requests made to rest API's which enable clients to carryout actions they would like to perform on a given resource.
- HTTP methods are used in association with end points and some of them use request bodies.
- The API operations are methods that allow developers to create, read, update and delete using an API.
- API'S enable software applications to interact with to interact with each other .They act as middlemen.

# COMMON API METHODS

- GET-Allows users to retrieve data from a server.
- Used in association with end points to usually access certain resources.
- An example:
  - `get/api/Students`. Returns all students in the database of an API
- POST- Used to create/add new resources
- For example ,if one needs to add information to users endpoint , they would send a post request
- Post request usually includes a request body where the client specifies the attributes of the resource to be created.

# Continuation

- PUT- used to replace existing resource an updated version.
- (Almost like updating a data base)
- It is usually replaced with data in the request body.
- Properties/fields not included in the request body are deleted & new fields are added.
- PATCH-Used to update an existing resource
- Similar to put but doesn't over write others

# Continuation

- DELETE –used to remove data from a database
- It removes a resource at a specified URL
- For example a delete request to the /Products/5 will permanently remove the product with an ID of 5 from the database .
- APIs can also authorize certain permissions to allow clients to delete resources.