

# CSD-4464 Java EE

Class 11: HTTP



# HTTP

- HTTP is the foundation for data communication on the internet
- HTTP is a generic stateless protocol
- Consists of Responses, Responses Codes, Requests, Requests params/bodies, and verbs
- Supports encrypted communication using HTTPS / HSTS

# HTTP Get

- The GET method is used to retrieve information from the given server using a given URI. Requests using GET should only retrieve data and should have no other effect on the data.
- Gets may use parameters, but should ignore the request body
- These are the types of requests your browser makes when you enter a website in the address bar

# Http Post

- A POST request is used to send data to the server, for example, customer information, file upload, etc. using HTML forms.
- May use both parameters and request body
- Generally used for resource creation

# Http Put

- Replaces all the current representations of the target resource with the uploaded content.
- Like post, can use both params and request body
- Generally used for updating a resource as a given location

# Http Delete

- Removes all the current representations of the target resource given by URI.
- Generally will only ever use params, and not the request body

# Http Options

- Describe the communication options for the target resource
- Generally used by the browser to check if it's allowed to access the given resource