Quick Enumeration Review

Dr. Michael Whitney

Enumeration / .getParameterNames()

- Enumerate (go through one-by-one) elements in a collection of objects

- .getParameterNames(); - HttpServletRequest method that returns all parameters as a String Enumeration

```
Enumeration<String> paramNames = request.getParameterNames();

while(paramNames.hasMoreElements()) {
        String paramName = paramNames.nextElement();
        System.out.println(paramName);
}
```

```
INFO: Server startup in 3367 ms
itemnum
description
price
firstname
lastname
initial
address
cardnum
cardnumRepeat
```

Enumeration / .getParameterNames()

Enumeration<String> paramNames = request.getParameterNames();

while(paramNames.hasMoreElements()) {

       String paramName = paramNames.nextElement();

       String[] paramValues = request.getParameterValues(paramName);

       // returns an array of all values for a specific name

       System.out.println(paramName + " " + paramValues[0]);

}

```
INFO: Reloading Context wi
itemnum first item
description fowl
price 10.00
firstname Donald
lastname Duck
initial D
address Disneyland
cardtype mastercard
cardnum 123456
cardnumRepeat 123456
```

Enumeration / .getParameterNames()

Enumeration<String> paramNames = request.getParameterNames();

parameter name	parameter value(s)
itemnum	first item
description	fowl
price	10.00
firstname	Donald
lastname	Duck
initial	D
address	Disneyland
cardtype	mastercard
cardnum	123456
cardnumRepeat	123456

```
        while(paramNames.hasMoreElements()) {
                String paramName = paramNames.nextElement();
                String[] paramValues = request.getParameterValues(paramName);

                // how put in a table?

                if (paramValues[0].length() > 0) { // .length returns the amount of characters in the string
                        out.print("<tr>\n<td>" + paramName + "</td><td>" + paramValues[0] + "</td></tr>");
                } else {
                        out.print("<tr>\n<td>" + paramName + "</td><td><strong>no value</strong></td></tr>");
                }

        }
```