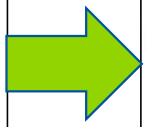
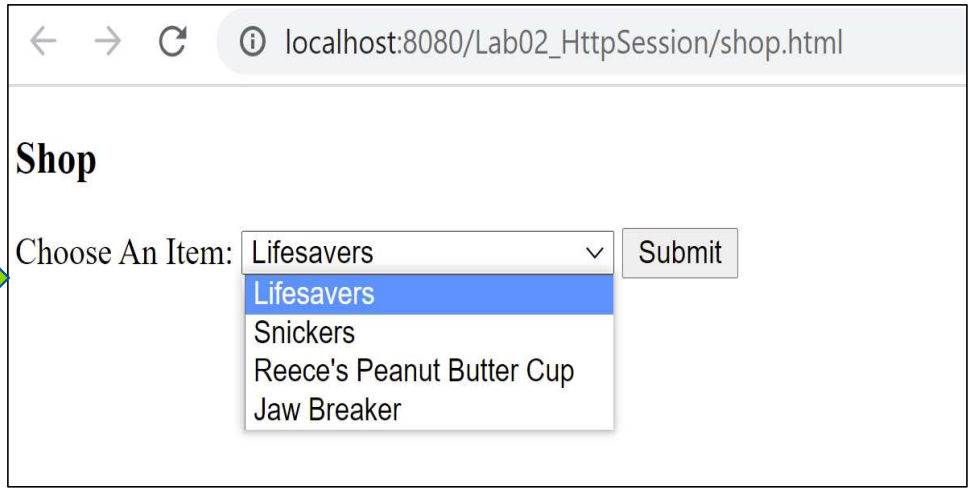
Lab 2 – HttpSession

- **Import the Lab02_HttpSession_STARTER project**
- **Rename the project to "Lab02_HttpSession"**
- **Examine the shop.html file under WebContent**
  - It's a simple form with a select drop down box

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta charset="ISO-8859-1">
5  <title>Shopping Service</title>
6  </head>
7  <body>
8      <h3>Shop</h3>
9      <form method="POST" action="shop">
10
11         <label for="items">Choose An Item:</label>
12         <select name="item" id="item">
13             <option value="lifesavers">Lifesavers</option>
14             <option value="snickers">Snickers</option>
15             <option value="reeces">Reece's Peanut Butter Cup</option
16             <option value="jawbreaker">Jaw Breaker</option>
17         </select> <input type="submit" value="Submit">
18     </form>
19
20 </body>
21 </html>
```





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Note the method and action from our shop form

```
7⊖<body>
8       <h3>Shop</h3>
9⊖      <form method="POST" action="shop">
10
```

Create a servlet, com.store.controller.ShopServlet

- Map the Servlet to the "/shop" action

Override doPost to do the following

- Get the request parameter — **request.getParameter("item")**
- Get the session — **HttpSession session = request.getSession()**
- Get all attribute names — HINT: getAttributeNames, pay attention to return type
- Loop through whatever session attributes there are and create list for our output page
- On you output page, add a link back to the shop.html page so the user can keep adding items to the list
- Display the html page using out.print

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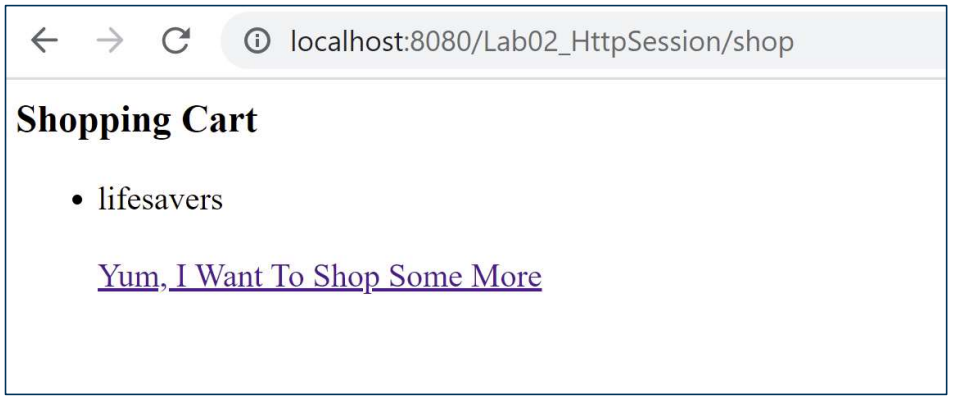
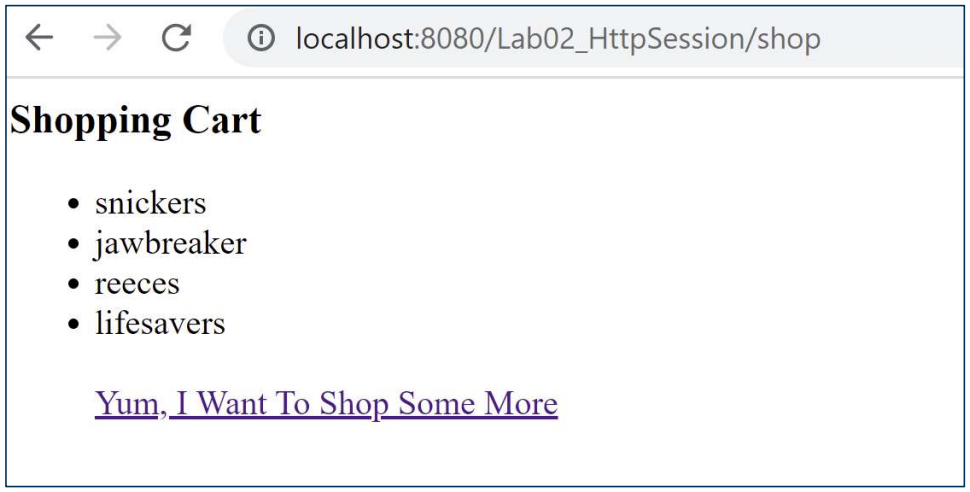
Your output should look similar





Override doPost to do the following

- Each time you click on the link to shop more and choose a candy, your list should grow
- You're having a conversation with the server
- Congrats…you just built your first shopping cart!