```java
package com.ecom.app.web;

import java.time.LocalTime;
import java.util.ArrayList;
import java.util.List;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
import javax.validation.Valid;
import javax.websocket.server.PathParam;


@RestController
@RequestMapping("/app")
@Validated
public class MyRestWebController {

    @Autowired
    IAccountService service;

    @GetMapping("/account/{accountNumber}")
    public Account getAccountInfo(@PathVariable int accountNumber)
    {
        return service.getAccountById(accountNumber);
    }

    @GetMapping("/accounts")
    public List<Account> getAllAccounts(HttpServletRequest request)
    {

        HttpSession session = request.getSession(false);
        if(session != null)
        {
            return service.getAllAccounts();
        }
        else return null;

    }
    @PostMapping("/login")
    public boolean doLogin(@RequestBody UserDTO userDto,
                           HttpServletRequest request)
    {
         boolean isUserValidated = false;

    // write code to validate user from Database
    // isUserValidated = userRepository.validateUser(userDTO);
    // Sample code

        if(  userDto.getUsername().equals("ramesh")  &&
userDto.getPassword().equals("123"))
         {
 // if user is valid, then server has to create Session
             isUserValidated = true;
             HttpSession session = request.getSession(true);
                             // true : always creates session

              List<String> cart = new ArrayList<>();
              session.setAttribute("usercart", cart);
              session.setAttribute("username", "ramesh");
              session.setAttribute("loginTime", LocalTime.now());
         // Attribute is kind of variables , we can store number of
// attributes in session , it means usercart associated with session
// username and logintime associated with session.
// if session becomes null , these values also become null

         }

         return isUserValidated;
    }
```

```
     @GetMapping("/addToCart/{productid}")
     public String doAddToCart(@PathVariable int
productId,HttpServletRequest req)
     {
          String msg = "product added ";

          HttpSession session = req.getSession(false);
                           // checks previous session
          if(session != null)
// new session created through false is always null
          {

     // 1. search product from database using ProductService
               String product = "Watch - 123";
               List<String> cart  = (List<String>)
session.getAttribute("usercart");

               cart.add(product);
               session.setAttribute("userCart", cart);

               return "Product added in the cart";
          }

          else return "User not valid";
          }

     @GetMapping("/doLogout")
     public String doLogout(HttpServletRequest req)
     {
          HttpSession session = req.getSession(false);
          if(session != null)
          {
               // invalidate the session for logout
               session.invalidate();
          }

          return "Session Logout";
     }

}//end class
```