Deadline: September 16,17, 18 2019 (respective classes)

Assignment 4:

Design an online apparel store using servlets and jsps. The store keeps records for its items in a database where some items may be discounted and some other items should be displayed as "new arrivals". A user may search for a specific item. By default, when a user signs in, based on his/her profile (male/female etc.), show him/her preferred set of clothing. Users will be divided into two groups: some users looking for discounted items mainly, some others looking for new arrivals. So, depending on their preference already set in the database, the order of the displayed list would vary. By default, discounted items will be displayed first.

You may apply the concept of "dependency injection" here. *Dependency injection (DI)* is a technique where one object supplies the dependencies of another object. Basically you have an interface and a number of java beans implementing them. You may use SessionListener or ServletContextListener. The major benefit of DI is loose coupling and ease of use. DI makes classes more cohesive because they have fewer responsibilities.