**OUTPUT FOR #1, #2**

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.save \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserCredentialsService.update \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.save \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.ItemService.update \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.ItemService.update \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.update \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.ItemService.findByCategoryName \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.ItemService.findBySellerOrBuyer \*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**OUTPUT FOR #3**

**Only findOne has a Long as an argument**

**NOTE: same result as #6**

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**OUTPUT FOR #4**

**No output as there are no Service calls with a no argument method.**

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**OUTPUT FOR #5**

**Adding a findAll() in TestItems.java results in a single output.**

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findAll \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**OUTPUT FOR #6**

**Using within with arguments like #3 give exact same results…ONLY findOne(Long id) meets criteria.**

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.findOne \*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**OUTPUT FOR #7**

**Using within with args with one arg user …User service Save & Update meets criteria. Prints out User name as User is bound to advice method.**

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.save \*\*\*\*\*\*\*\*\*\*User First Name: John

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.save \*\*\*\*\*\*\*\*\*\*User First Name: Jane

\*\*\*\*\*\*\*\*\*\* TARGET CLASS : edu.mum.service.UserService.update \*\*\*\*\*\*\*\*\*\*User First Name: Jane

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes