

PROG2240: Java Web Tech

A2 Exercise

Winter 2017

Individual Exercises:

- Read and study textbook Chapters 5, 6 and a part of Chapter 9 (**foreach** tag).
- Do the following exercises:

1. Exercise 5-1 on pages 171-172.

Then, modify your solution to insert records to the **EmailList.txt** file.

Open the **ex5_1** folder in the **A2Files.zip** and copy **UserIO.java** to **murach.data** package.

In the servlet, replace:

```
UserDB.insert(user);
```

with:

```
// get a relative file name and insert a record
ServletContext context = getServletContext();
String path =
    context.getRealPath("/WEB-INF/EmailList.txt");
UserIO.addRecord(user, path);
```

*Hint: Fix imports to add the import statement for **UserIO** class*

Run your solution

Verify that a new record has been added:

- Select the Files tab
- Under **build\web\WEB-INF** folder, open the **EmailList.txt**

2. Do the Exercise 6-2 on pages 199-200.

3. Enhance your Exercise 5-1 solution (see above) to display all users.

Add JSTL 1.2.2 library to the project

In the **Servlet** code:

- After inserting the record, call the `readRecords()` from the **UserIO** class.
- *Hint:* store the `ArrayList` of `User` objects in a **request** object.

In the **JSP** code:

- After displaying the new user information, add a JSTL **foreach** tag to display all the `User` records.
- *Hint:* Add a `table` tag. Also, see **slide 11** of **ch09.pptx**

