# Homework M2: Working in the Console

These tasks can be executed either in an installation with or without desktop environment

Make sure you are working with a regular user (for example, the **lsauser** created during the initial installation)

Tasks should be executed in the order they are listed

**Tasks**

The following tasks must be performed:

1. Create two users (**developer** and **manager**) with full names like **ProjectX Developer** and **ProjectX Manager** or similar format. Then set their passwords to whatever you like, for example **Password2** and **Password3**
2. Create a new user group with **ID 3000**, named **projectxyz**
3. Make both users (**developer** and **manager**) members of the **projectxyz** group
4. Create a folder **/shared/projects**
5. Create series of folders under **/shared/projects** with the following structure:
   * **projectXYZ**
     + **Stage1**
       - **DOCUMENTS**
       - **BUDGET**
     + **Stage2**
       - **DOCUMENTS**
       - **BUDGET**
     + **Stage3**
       - **DOCUMENTS**
       - **BUDGET**
6. Create at least **5** files **document1.doc** through **document5.doc** in every **DOCUMENTS** folder
7. Create **readme\_en.txt**, **readme\_bg.txt**, and **readme\_de.txt** files in every **BUDGET** folder
8. Change the owner of the **projectXYZ** folder and all files and folders there to **manager**
9. Change the group owner of the **projectXYZ** folder and all files and folders there to **projectxyz**
10. Change the permissions of the **projectXYZ** folder and all subfolders (***not the files, just the folders***) to be **read**, **write** and **execute** for the owner and the group and **no permissions for everyone else**. Adjust the permissions of all folders in such a way, so all new files made by either the **developer** or the **manager** user will be owned by the **projectxyz** group
11. Set permissions for all files under the above folder structure (**projectXYZ**) to **read** and **write** for the owner and the group and **no permissions for everyone else**

## Proof

After you are done with the tasks, you can check how well you did them

In a terminal session execute one of the following commands (depending on which executable you have)

* Option 1 (**wget** installed, usually for **Debian**-based distributions)

**wget -q https://courses.zahariev.pro/m2.sh -O - | sudo bash**

* Option 2 (**curl** installed, most of the distributions)

**curl -s https://courses.zahariev.pro/m2.sh | sudo bash**

Repeat the procedure until you get as much **PASS** marks as possible. This may include adjustments on what you did or even start from the beginning

Once, satisfied by what you accomplished, use the homework template document (available in the section for the module – ***Домашно - M2 - Шаблон за решение***) and paste the link you received as a result

Include the commands you used for every step. Also include the output if you like (either as pictures or as text)