

LAB211 Assignment

Type:
Code:
LOC:
Slot(s):

Short Assignment
J1.S.P0078
100
2

Title

Create a program to copy file

Background

NA

Program Specifications

Write a program with file config.properties

1. COPY_FOLDER=D:\\Data.
2. DATA_TYPE=*.CSV,*.WAV.
3. PATH=D:\\ Copy Data

When program run

If file config is not exist, prompt user to input file config with

- Enter Copy Folder:
- Enter Data Type:
- Enter Path:

After input, program create file config and perform next steps

If file config is existed, check file content for following cases

- COPY_FOLDER
 - o Not input yet.
 - o Path to source folder is not existed
- DATA_TYPE
 - o Not input yet
- PATH
 - o Not input yet
 - o Input but not existed -> create a path.

If checking file config task has error, show error message and stop program

If file config completed then copy file config from COPY_FOLDER to PATH

Function details:

Function 1: Display a menu and ask users to select an option.

- Users run the program. The program prompts users to select an option.
- Users select an option, perform **Function 2**.

Function 2:

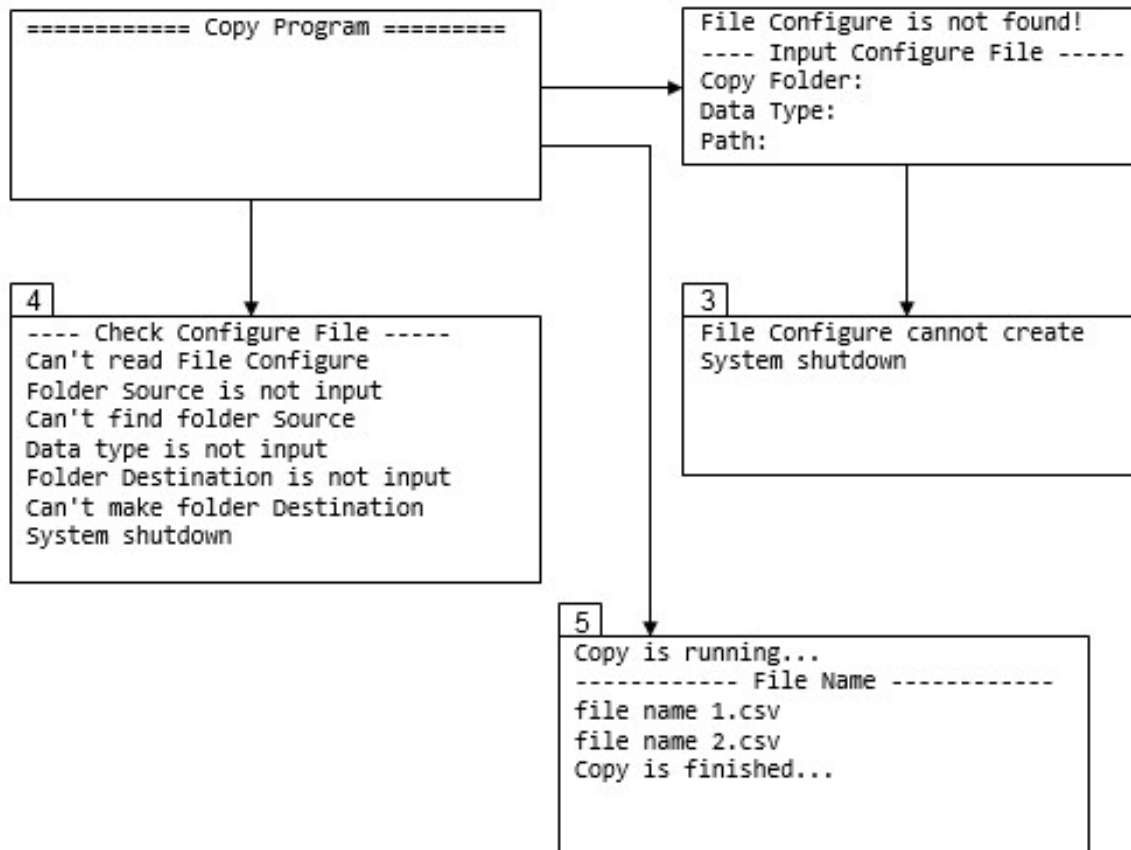
- If file config is not exist, prompt user to input config file with following format:
 - o Copy Folder:

- Data Type:
- Path:

Perform next steps with existed file

- If file existed
 - Verify data in config file
 - COPY_FOLDER
 - Not input yet
 - Path to source folder is not existed
 - DATA_TYPE
 - Not input yet
 - PATH
 - Not input yet
 - Input but not existed -> create a path.
 - If checking file config task has error, show error message and stop program
- If file config completed then copy file config from COPY_FOLDER to PATH

Expectation of User interface:



Guidelines

Student must implement methods

readFileConfig
createFileConfig
checkConfig
copyFile

in startup code.

Suggestion

Function 1: Read file config.properties

- Implement function: public Config readFileConfig(Config config) throws ExceptionHandle
 - Input:
 - config: Object contains configure information.
 - Return value
 - Object config has been fill all information
 - ExceptionHandle list.

Function 2: Create file config if not existed

- Implement function: public void createFileConfig(Config config) throws ExceptionHandle

- Input:
 - config: Object contains configure information input from keyboard.
- Return value:
 - ExceptionHandle list.

Function 3: Verify file config

- Implement function: `public void checkConfig(Config config) throws ExceptionHandle`
 - Input:
 - config: Object contains configure information.
 - Return value
 - ExceptionHandle list.

Function 4: Perform copy task if file config is valid

- Implement function: `public List<String> copyFile(Config config)`
 - Input:
 - config: Object contains configure information.
 - Return value:
 - List of files copied