DOM

**DEADLINE:** 26/01/2020

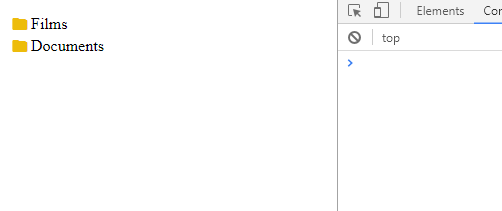
## FOLDER STRUCTURE

|  |  |
| --- | --- |
| FL12\_HW11/ [\*]  ├─ task [\*\*]  ├─ homework/ [\*]  ├─ material-icons/ [\*]  ├─ index.html [\*]  ├─ styles.css [\*]  ├─ app.js [\*]  └─ .eslintrc.js [\*] | [\***]  - required**  **[\*\*] - restricted (no need to submit)** |

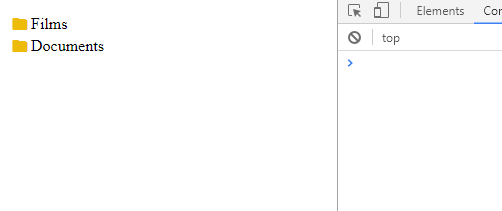
TASK

* Using the standard JavaScript functions, create a file tree (see Figure 1) based on the data in structure variable.
* Requirements:
* By default all folders are closed
* When you click on a closed folder, folder opens. Otherwise close
* When you click on file - nothing happen
* If the top-level folder closes when the subfolder is open, then after reopening the top-level folder, the subfolder remains in the same state (See Figure 2)
* Use the appropriate icon if the folder is open or closed.
* Folder/File may be clickable out of name
* The folder / file is clickable outside the title. (It means you can open folder by clicking on row instead title directly)
* Icons, to the left of file/folder names can be found at the link - <https://material.io/icons/> (they are already included). Use icons like this

<i class="material-icons">done</i> will display icon -> 



* Figure 1 - Folder tree in action (If the animation does not play, then open this image directly - /animations/Pic. 1.gif)



* Figure . 2 - Saving the state of subfolders after opening/closing the top-level folder
* (If the animation does not play, then open this image directly - /animations/Pic. 2.gif)

RESTRICTIONS

* Editing index.html is forbidden.
* Adding **task/** folder is forbidden. Do not push it to repository. (Only **homework/** and **material-icons/** folders should be pushed)

## BEFORE SUBMIT

* Code should be clean, without comments, readable, and tested
* Make sure your GitHub folder structure meets folder structure from this document (without **task** folder)

## SUBMIT

* The **FL12\_HW11** folder without **task** folder should be uploaded to github repository “**FL-12**” into **master** branch.

## USEFUL LINKS

* <https://developer.mozilla.org/uk/docs/Web/API/Document>
* <https://learn.javascript.ru/traversing-dom>