

BTH545 Assignment 3

Learning Outcomes

- Gain experience implementing a user interface,
- Appreciate the complexity of implementing a simple user interface.

Description

In this assignment you will implement the portion of your design where you allow the user to form a complex expression to either select some files from a larger group or to build the resulting file name. Since each of the designs is different, you will meet with your professor to discuss exactly what will part of your design you will build.

I expect that most students will do the implementation in HTML5/JavaScript. If students know how to program another GUI framework, they are free to use it if they want.

The resulting application needs to allow

- The overall look of the interface to be seen,
- complex expressions to be built,
- visual feedback given on the expression being built.

You do not have to:

- actually produce lists of real files,
- match real file names against the expression being built,
- evaluate the expressions built or actually rename files.

The exact requirements for your group will be determined when you meet with your professor.

You will be marked based on how well your interface meets all of the requirements and the criteria set down in the meeting with your professor.

Deliverables

- A complete, ready-to-run-with-one-click application that can be downloaded and run on a Windows computer without the need for the installation of any tools or libraries. If this cannot be done, then you can demonstrate the functionality to your professor on your own computer.
- A short manual (half a page or so) describing how to use your interface so that someone who has never used it before can use it.