CS447

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Web Image Collector

Project Report

The purpose of this project was gaining more experience in creating web applications and working with Java and HMTL frameworks. In particular, Java Server Faces (JSF) on the backend side and Primefaces on the front end side.

In this app the user can work with images, the specific features are:

* Uploading/deleting images: the user can upload or delete the PNG images in the webapp
* Searching images: the user can search images using three categories: the name of the image, the tags that image has, the collection in which image resides
* Adding/deleting tags: the user can assign multiple tags to the image or delete them. These tags can be used as a keywords for searching an images with the same tags
* Creating/Deleting collections: the user can make a collection of images with any name chosen or user can delete the collections later. The name of collection later can be used for search
* Adding images to collections: the user can add images to either new collection or the one that existed before

When the app is started, it reads through the text file that contains the information about the images added in previous sessions. The user can add more images and play around with them in the app itself. The images are uploaded in the "images" folder which resides in user root directory (in Windows: "C:/users/username" in Linux "\username").

I have achieved all of those tasks, but in the beginning I also wanted to create a page for a login. Later on I have found that it will probably going to take more time and instead I decided to dedicate it to polishing the actual features of the webapp.

In the end after finishing up the development of the webapp I decided that I can use this project as a prototype and then create a desktop version of this application for handling the images. The idea behind is to make it more dedicated to a specific group of people (such as engineers or 3D/2D artists) so that they can have specific image handling features rather than relying on regular image viewers.