

## **Part 1 (Java Client):**

In this part, you are required to develop a Java application to Upload and down load images to the Server and display All the Images along with Names and Descriptions.

The following functionalities should be available:

**1.** The Application should Allow the user to upload an Images with the Description Text for the Image and its Name. You can do that in One HTTP request or two.

The Server side should store the names and description of the Images. Limit the Description to maximum of 500 characters. And limit the Number of Images to a maximum of 12. At the Server-side Images must NOT be stored in the database, just store the name of the Image and Description. The actual Image should be stored in a folder at the server.

**2.** The Application should allow the user to upload a new image. The new image should be added by the server and also show at the Client. Make sure it is Shown at the client if and only if the upload succeeds.

**3.** Allow the Application to upload a new Image, Delete an Existing Image. Delete the Image if the deletion succeeds at the server side.

**4.** Allow the Application to update(change) the description of an Image. Make sure you get a confirmation for the update from the server.

**5.** Develop a GUI for the java client that has drop-boxes, text fields, buttons to interact with the server.

**6.** Your application must display all images on your application that are currently available at the server with the description below the image and a Button/or check box to delete or update the Image.

**7.** When your Application Starts, it should display the Images by loading them from the server.

**8.** You can/should scale the Images to fit nicely on the Client. You can also provide a button to should the Image on a Separate window with larger dimensions.