Hey Viral, here's the coding exercise.

A simple app that does the following:

1) A web panel where the user can upload an image
2) Each image has a recommended size of 1024 x 1024.
3) Don't upload the file if it's not the right size.
4) Each image has to be converted into 4 different sizes.
horizontal : 755 x 450
vertical : 365 x 450
horizontal small : 365 x 212
gallery : 380 x 380
Images should not be stretched, and they should be cropped properly.

5) Save all 4 of these images locally on the server
6) Show a webpage with all 4 of these new images.

Bonus : Instead of saving these files to the server, upload them to a cloud image hosting service.

Double Bonus : While uploading the image show a preview in the browser itself of all the different image sizes, and let the user decide how to crop the images to the smaller size.

If you have any doubts, do ask them. Design is not very important, but data structure decisions are :)

Cheers,
Neehar