**Systems Project Report**

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I implemented level 1 of file system. I wrote a console app which supports all the specified features.

I have taken Image Block Size as 500 KB and comment size as 100 bytes.

I have taken a structure called header which will store the first image address, next free offset, current image id and current comment id.

The header is placed at the beginning of the file.  
Images are uploaded and placed at next free offset in the file (i.e. after header).

The Image Meta has the address to comments, image data, size, etc.

To delete a comment, I traverse all the comments of the Image and when the comment matches, I make that comment as invalid.

To delete an image, I traverse all images and when the image is found, I make that Image as invalid in Image Meta.

To View comments I traverse all the comments and display them.

I maintain a pointer of type Image Meta to the latest uploaded file and its offset.

Whenever I upload an image, I link latest Image Meta to newly uploaded file and make the new file as latest uploaded file.

There is no fixed space for Meta data and images, comments.  
They are appended to the file as they are added.