

Requirements:

Develop a web application with the primary objective of allowing users to securely upload and store image files. The detailed requirements are as follows:

1. User Registration & Login: Create functionalities for users to register and log in, ensuring secure handling of user credentials.
2. Secure Image Upload: Implement security mechanisms to validate and safely upload image file types (like .jpg, .png), preventing potential malicious or oversized files.
3. Image Storage: Ensure secure and confidential storage for the uploaded images. Techniques like encryption are encouraged.
4. Image Retrieval: Users should have a personalised space where they can view their uploaded images in a gallery format.
5. Image Deletion: Provide users with the option to delete their uploaded images.
6. User Feedback: The system should be interactive, giving feedback upon successful operations or potential errors.

Submission Guidelines:

1. Your source code should be organised and readable. Do include a `requirements.txt` or its equivalent if using external libraries.
2. Accompany your code with a concise documentation covering setup, assumptions, design rationales, and areas of potential improvement.
3. Ensure your solution is thoroughly tested; include these tests in your submission.
4. It's advised (but optional) to use version control, like Git, and provide us with a repository link.

Runtime Specifications :

Your application should be web-based, supporting major browsers like Chrome, Firefox, Safari, and Edge. If you're utilising a database, we recommend MySQL or PostgreSQL. While backend and frontend technologies are largely your choice, we've suggested a few (Python with Flask/Django, Node.js with Express, HTML, CSS, JavaScript) for your convenience.