Documents Control System.

1. Requirements:

1. The system needs to track documents.

A document can be a physical paper, a CD, a hard drive etc.

2. A document can have multiple drafts, so there should be a common field for all the drafts and a uniqe one to differentiate them.

Each draft can then have further copies.

The copies will have the same draft number, but each copy can be circulated to different people.

3. Some documents (items) received from outside the organization will need to be associated with their receipt date and the receipt

number (like a ups or fedex tracking number)

4. A document can have only one status at a time, such as it is circulated to an employee or it has been mailed externally to a

mailing address code.

5. The documents can be circulated to an employee.

I need to track the circulation history

6. Any change made to a document needs to be tracked along with what user made the change.

B- Deliverables: (all deliverables should be placed on GIT (your personal Github account).. and we may want to check your commits and branches.)

1. An ERD diagram describes the DB design, field types, relationships, constraints….etc ( a screenshot on your repo is fine)
2. SQL which implements above ERD. (MySQL)
3. A Python microservice that should connect to MySQL DB and have the following endpoints:  
   a- an endpoint to add new customer.

b- an endpoint to update customer  
c- an endpoint to delete customer  
e- an endpoint to get customer.   
  
You need to use Flask Framework for this. And Please don’t use any ORMs.

Please demonstrate your thought process not the over use of libraries and frameworks and follow SOLID principles