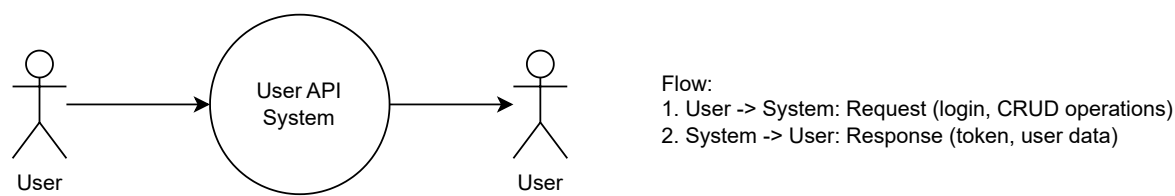


ERD

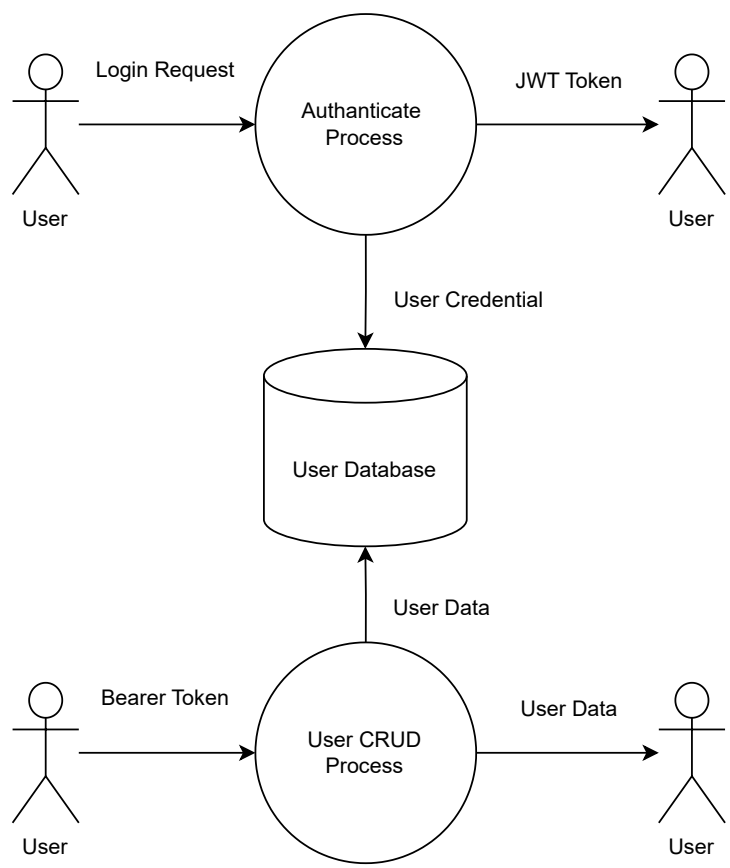
User
Id (PK)
name
email
role
password
created_at
updated_at
deleted_at

DFD

Level 0



Level 1



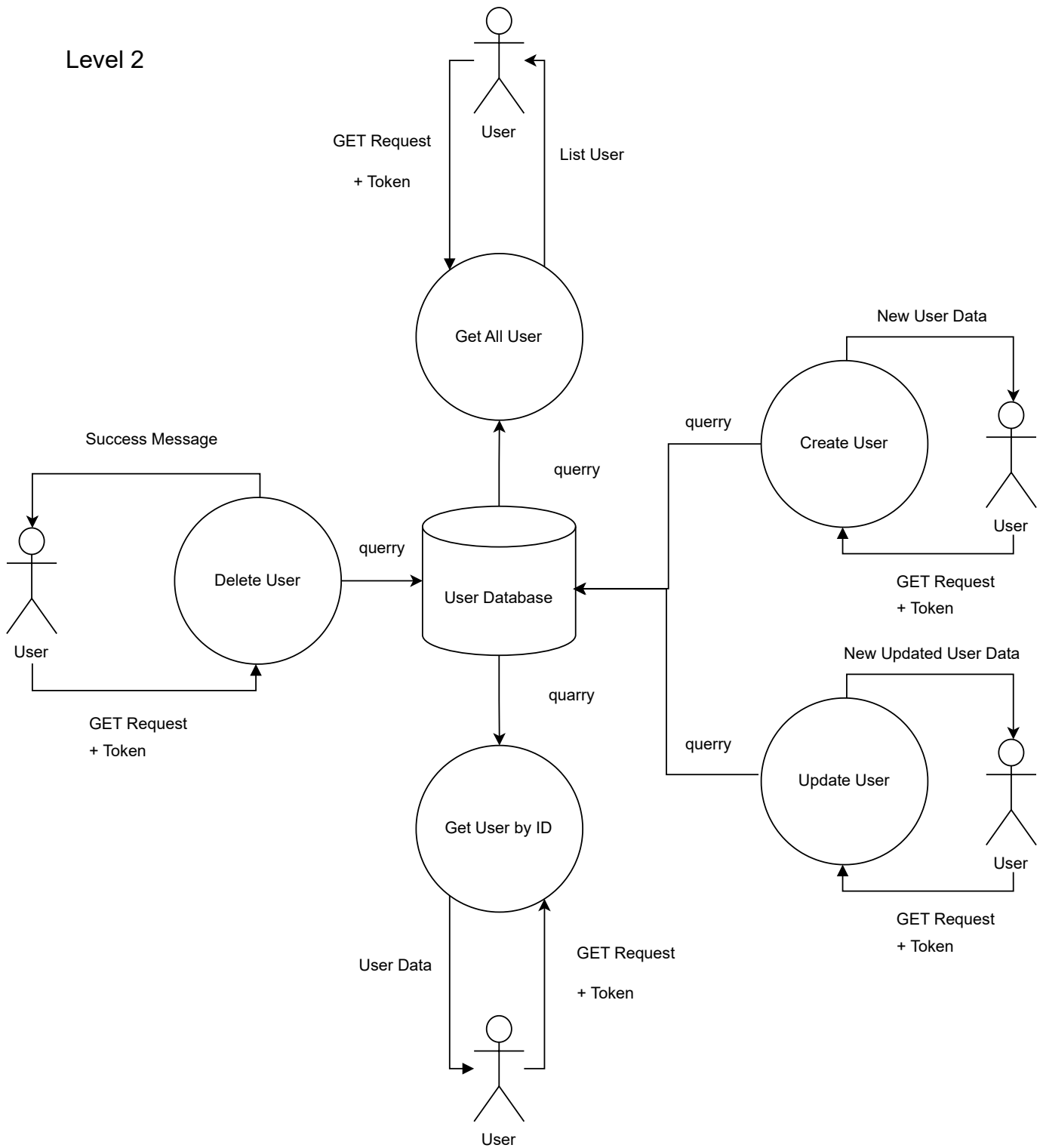
Authentication Process

User → Authentication Process → User Database → Authentication Process → User (Login Request → Verify Credentials → User Data → Generate Token → JWT Token)

User CRUD Process

User → User CRUD Process → User Database → User CRUD Process → User (Request with Token → Process CRUD Operation → Read/Write Data → Process Response → Response Data)

Level 2



Get All Users Process

User → Get All Users Process → User Database → Get All Users Process → User (GET Request with Token → Query All Users → Users List → Format Response → JSON Users List)

Get User by ID Process

User → Get User by ID Process → User Database → Get User by ID Process → User (GET Request with Token and ID → Query User by ID → User Details → Format Response → JSON User Details)

Create User Process

User → Create User Process → User Database → Create User Process → User (POST Request with Token and User Data → Validate and Store New User → New User Data → Format Response → JSON New User Data)

Update User Process

User → Update User Process → User Database → Update User Process → User (PUT Request with Token, ID and Updated Data → Find User and Update → Updated User Data → Format Response → JSON Updated User Data)

Delete User Process

User → Delete User Process → User Database → Delete User Process → User (DELETE Request with Token and ID → Find and Soft Delete User → Operation Status → Format Response → JSON Success Message)