1. **Transparent Education Data Management**

Project Description

Transparent Education Data Management is a robust system designed to handle education-related data efficiently, ensuring transparency and accountability. This system allows educational institutions to manage student records, faculty information, course details, and more, all in a transparent and secure manner.

Features

User Management: Securely manage user roles and permissions.

Student Records: Store and manage student information including grades, attendance, and personal details.

Faculty Management: Keep track of faculty information, courses taught, and performance evaluations.

Course Management: Create, update, and manage course details, schedules, and prerequisites.

Transparent Reporting: Generate comprehensive reports to maintain transparency in educational operations.

Technologies Used

Programming Language: Python

Database: PostgreSQL

Web Framework: Django

Frontend: HTML, CSS, JavaScript

Version Control: Git

Diagram Software: [Insert Diagram Tool Name]

Installation:

Clone the Repository:

bash

git clone https://github.com/username/transparent-education-data-management.git

cd transparent-education-data-management

Install Dependencies:

pip install -r requirements.txt

Database Setup:

Create a PostgreSQL database and update the database configuration in settings.py.

Run Migrations:

python manage.py migrate

Start the Development Server:

python manage.py runserver

Access the application at http://localhost:8000.

Usage

Login:

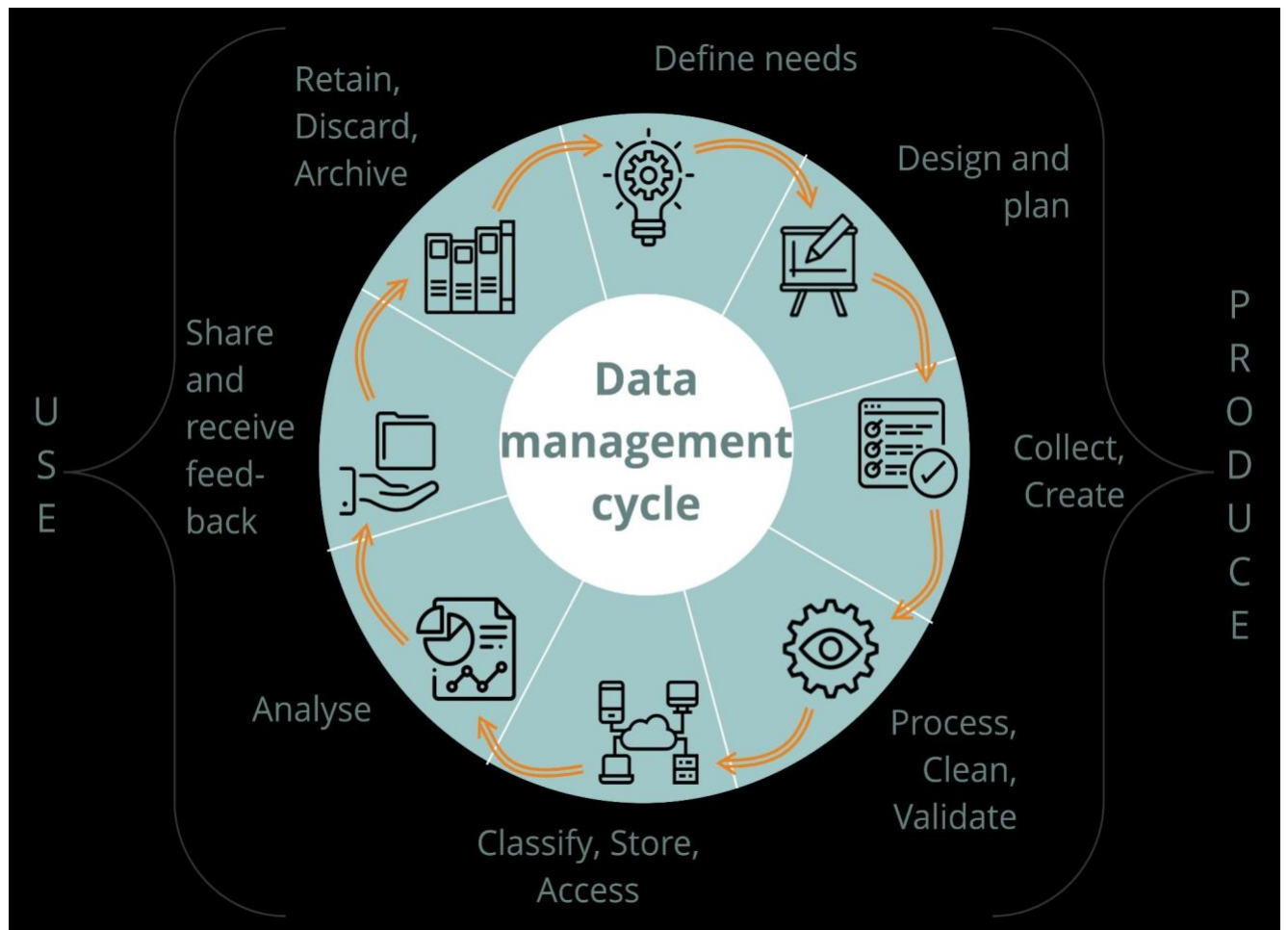Use appropriate credentials to log in as an admin, faculty, or student.

Navigate Dashboard:

Explore different modules like student records, faculty management, and course details.

Generate Reports:

Utilize the reporting feature to generate transparent reports for stakeholders.

Diagrams

Contributing

Fork the repository.

Create a new branch for your feature: git checkout -b feature-name.

Commit your changes: git commit -m 'Add some feature'.

Push to the branch: git push origin feature-name.

Submit a pull request.

License

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