CSE 471

System Analysis & Design

Assignment 3

Submitted by:

Name – Fariha Rahman

ID - 19101038

Section - 06

Department - CSE

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BRAC UNIVERSITY

Component diagram of Ellipse Hospital
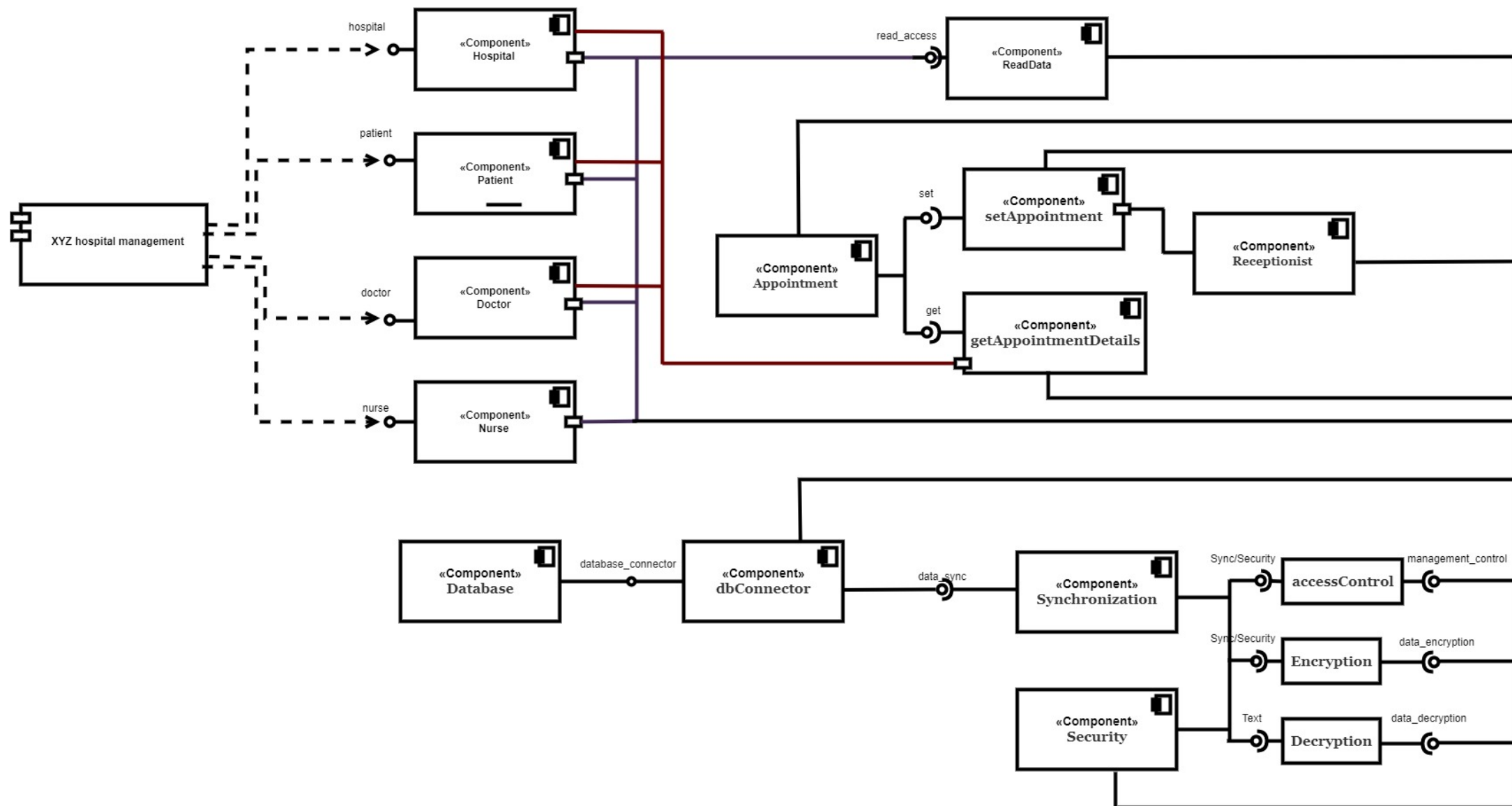

hospital

«Component»
Hospital

read_access

«Component»
ReadData

patient

«Component»
Patient

set

«Component»
setAppointment

«Component»
Receptionist

XYZ hospital management

«Component»
Appointment

doctor

«Component»
Doctor

get

«Component»
getAppointmentDetails

nurse

«Component»
Nurse

database_connector

«Component»
Database

«Component»
dbConnector

data_sync

«Component»
Synchronization

Sync/Security

accessControl

management_control

Sync/Security

Encryption

data_encryption

«Component»
Security

Text

Decryption

data_decryption

Fig: Component diagram of Ellipse Hospital

Answer to the Question 1:

Context Diagram of Community Management System

Manager — Check Donation Data, Approve Donationn
Manager — Updated Data

Admin — Input Updated Data

0 Community Management System

Donor / Donation Amount → D Donation Fund Data

Donor — Donate Amount

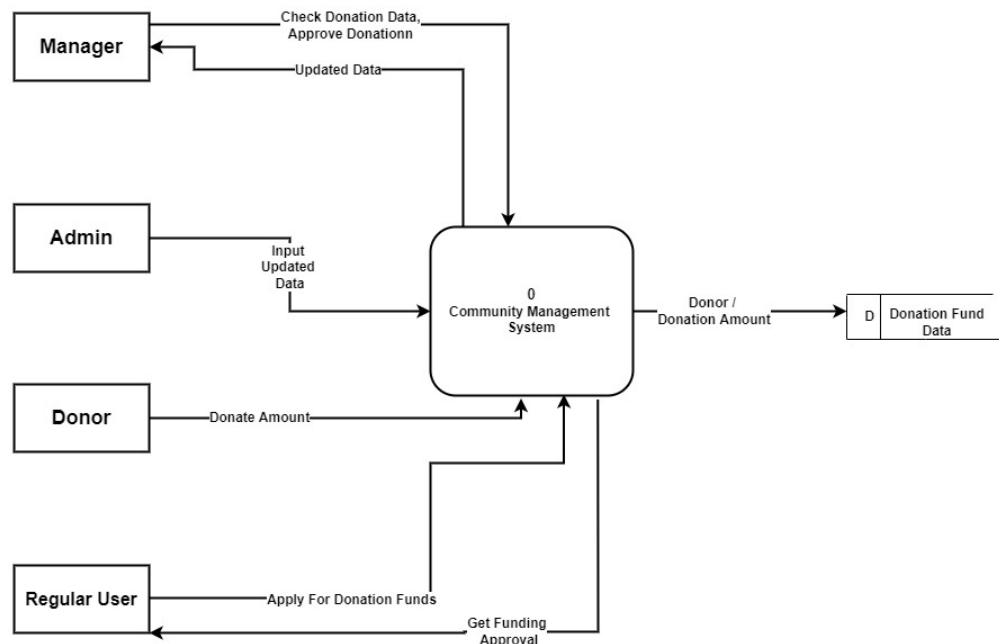Regular User — Apply For Donation Funds
Regular User — Get Funding Approval

Diagram: Context Diagram of Community Management System

Answer to the Question 2:

Level 1 DFD of Community Management System

Manager — Check Donation Data
Manager — Updated Data
Manager — Approve Donation Fund Application

1 Handling Donation Fund

Admin — Update Donation Information

Donor / Donation Amount → D Donation Fund Data

Donation Fund Collection

Donor — Donate Amount

2 Managing Donation Process

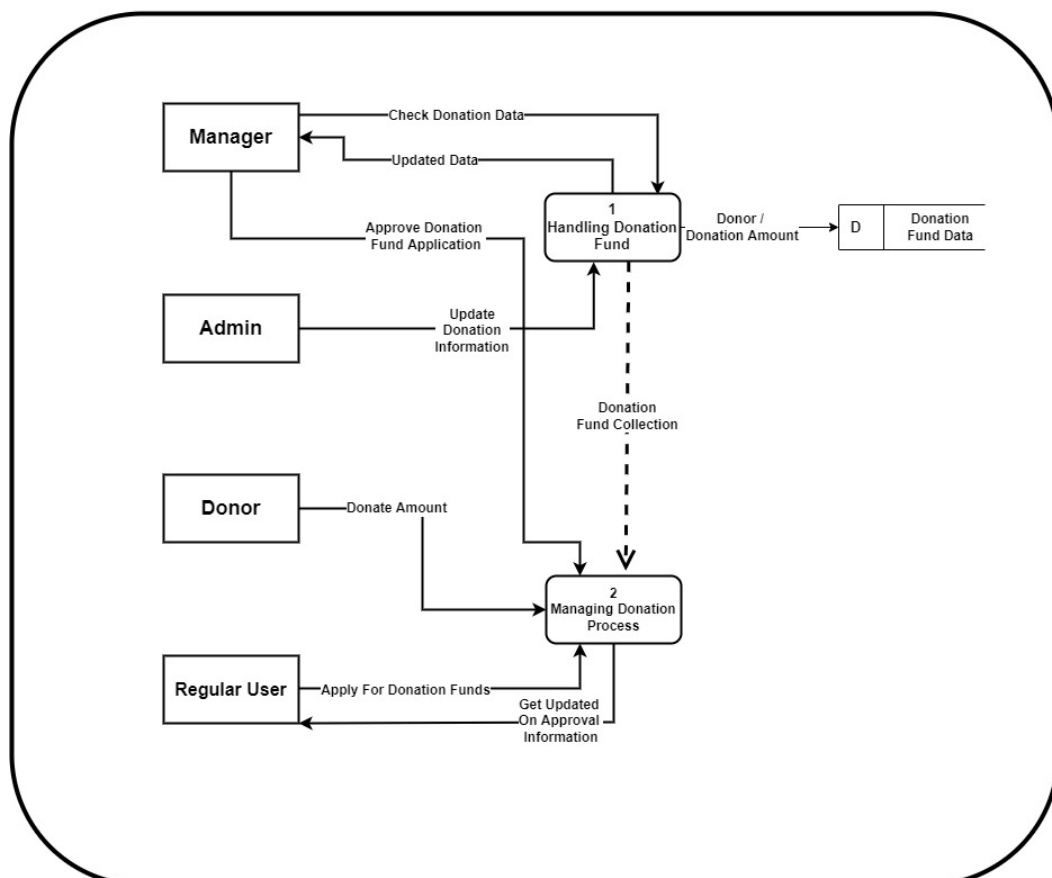Regular User — Apply For Donation Funds
Regular User — Get Updated On Approval Information

Diagram: Level 1 DFD of Community Management System