Course: MIS 342

Task #4: Process Modeling

Due Date: May 3, 2015 (by 6 PM)

Project: The Con Notification System

Project sponsors
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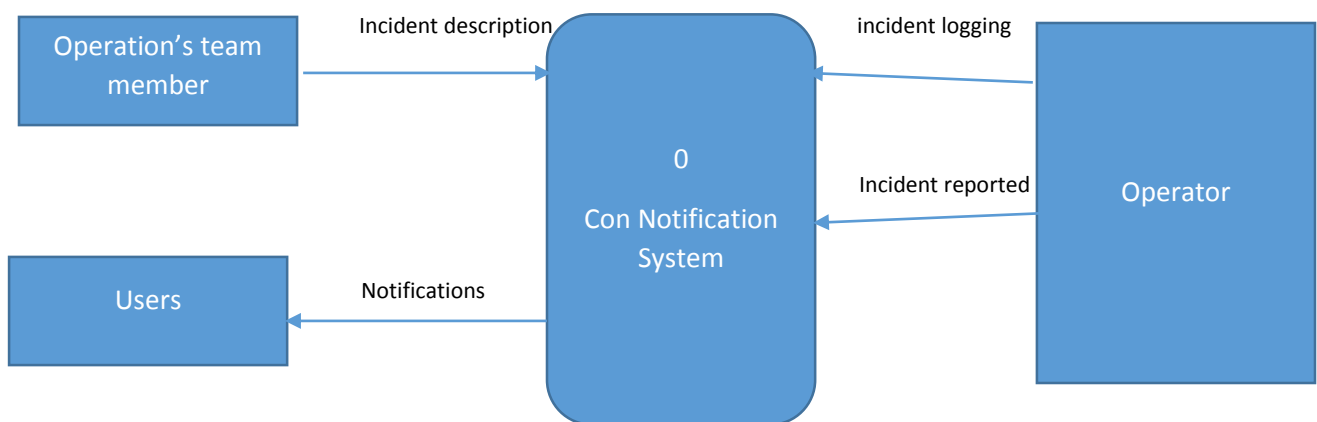**Professor Name**
DR. Samir Shah, PMP, CSM

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Group4/ The Con Notification System

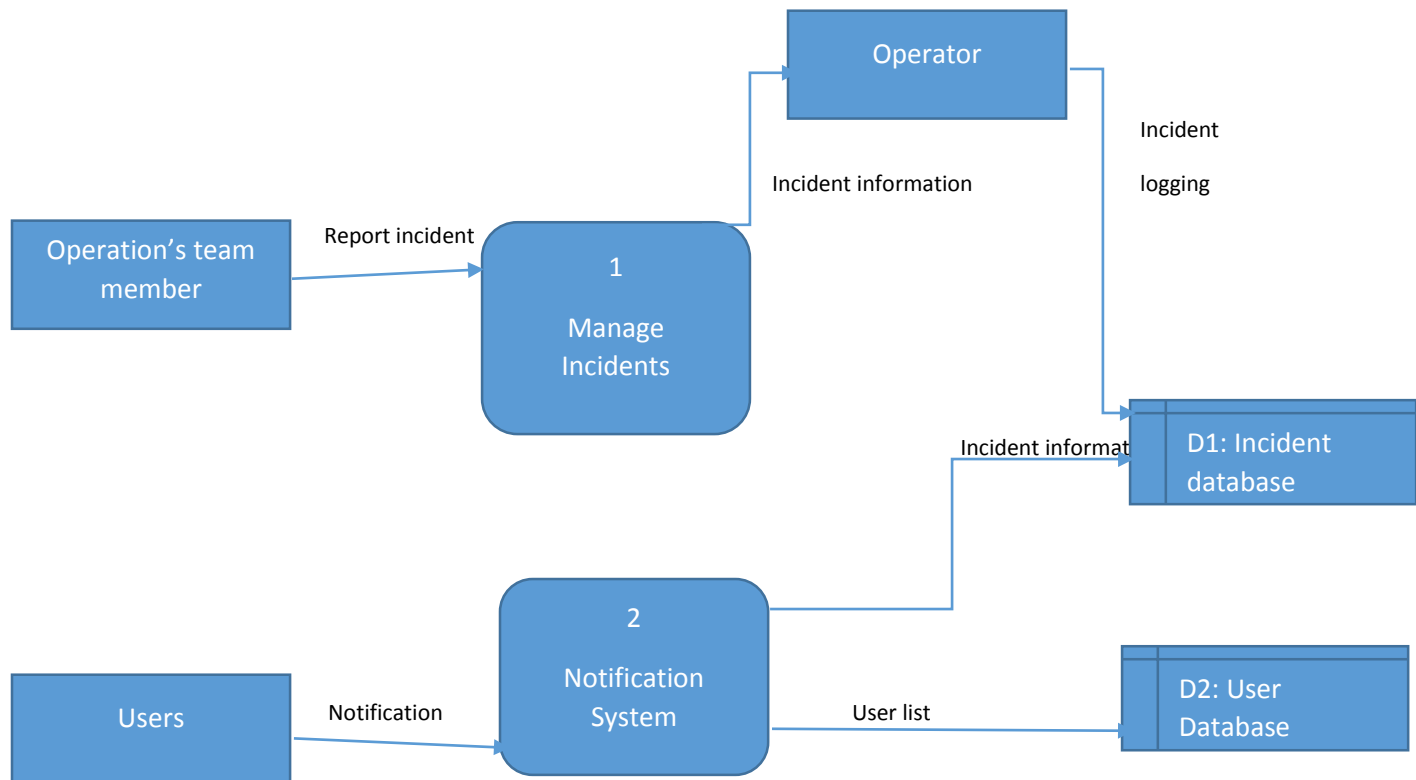# I-<u>User Case 1: Report a Problem</u>

The major input for UC-1 are the incident description and the incident location.

The major outputs are the incident reported and logged in the system and notifications sent to the users.

1- <u>Context Diagram</u>

| Operation's team member | | Incident description → | 0 Con Notification System | ← incident logging | Operator |

Incident description

incident logging

0

Con Notification System

Incident reported

Operator

Operation's team member

Users

Notifications

2-<u>**Level 0 Data Flow Diagram**</u>

Operator

Incident

logging

Incident information

Report incident

Operation's team
member

1

Manage
Incidents

Incident informat

D1: Incident
database

2

Notification
System

Users

Notification

User list

D2: User
Database

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2- Level 1 Data Flow Diagram

1.1 Get Incident Information

Send information → Operator

Report incident → 1.1 Get Incident Information

Operator

Log incident → D1: Incident database

1.2 Create Incident

Assign incident to operator → Operator

Look for available operator

Assign number to incident → D2: Staff database

1.3 Track incident

Monitor incident

2.1 Send Push Notifications

Notify user → Users

Staff information

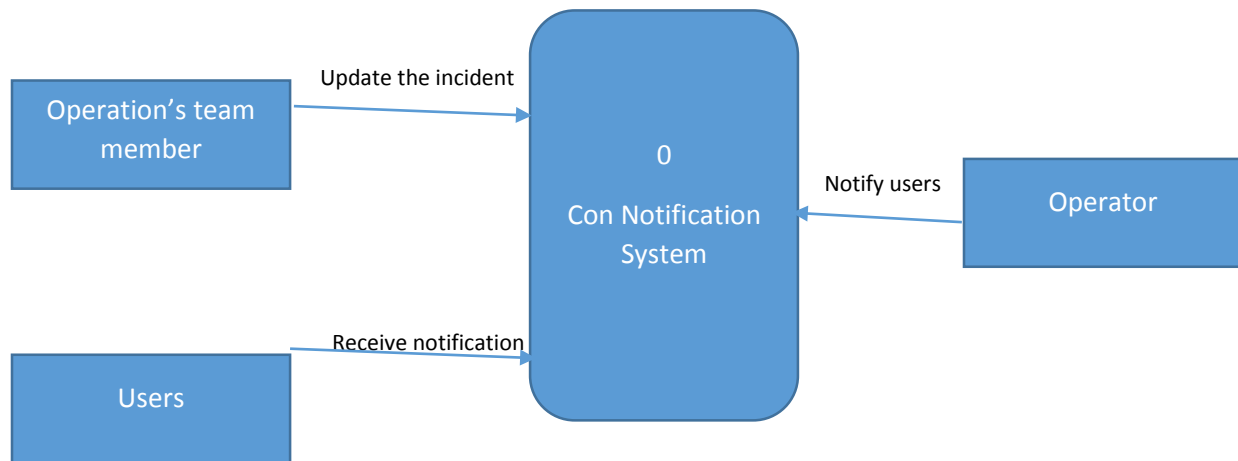Users contact → D3: Users database

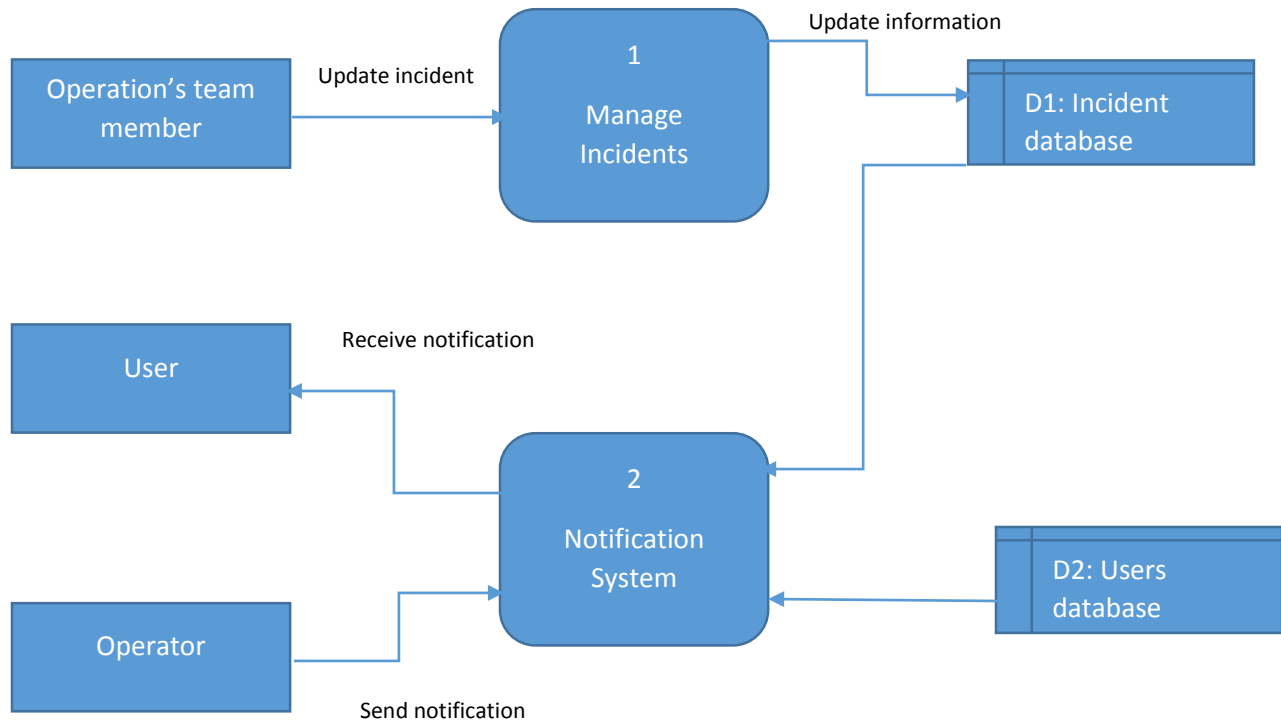Group4/ The Con Notification System

II-User Case 5: User Notification

The major inputs for UC-5 is the incident information.

The major output is the notification sent to the user.

1-Context Diagram

1- Level 0 Data Flow Diagram

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2- Level 1 Data Flow Diagram

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