**Course**: MIS 342

**Task #4**: Process Modeling

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

**Project:**The Con Notification System

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**I-User Case 1: Report a Problem**

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.

0

Con Notification System

Users

Operation’s team member

1. **Context Diagram**

Incident description incident logging

Operator

Incident reported

Notifications

**2-Level 0 Data Flow Diagram**

Operator

Incident

Incident information logging

repor Report incident

2

Notification System

1

Manage Incidents

Operation’s team member

D1: Incident database

Incident information

Users

D2: User Database

Notification User list

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**2- Level 1 Data Flow Diagram**

Send information

Operator

1.1

Get Incident Information

Log incident

Report incident

Operator

D1: Incident database

1.2

Create Incident

Assign incident to operator

Look for available operator

D2:Staff database

Assign number to incident

1.3

Track incident

Monitor incident

Users

Notify user Staff information

2.1

Send Push Notifications

Users contact

D3:Users database

**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**

Users

Operation’s team member

0

Con Notification System

Update the incident

Operator

Notify users

Receive notification

**1- Level 0 Data Flow Diagram**

Update information

1

Manage Incidents

Update incident

D1: Incident database

Operation’s team member

Receive notification

User

2

Notification System

Operator

D2: Users database

Send notification

**2- Level 1 Data Flow Diagram**

1.1

Get Incident Information

2

Send Push Notifications

Update incident store update

D1: Incident database

Operation’s team member

D2: Users database

Operator

User

Get information

Get information to send

2

Track Incident

Notify operator

Send notifications

Users contact information

Staff contact information

Receive notifications

D2: Users database