

Fig. 2.2 Workflow for Corrective Action Request Subsystem

B. Use Case

Use-case describes the system functions from the perspective of external users and in a manner and terminology that they understand (3). Use case for Question Answer Subsystem can be seen in Figure 2.3 and Corrective Action Request can be seen in Figure 2.4.

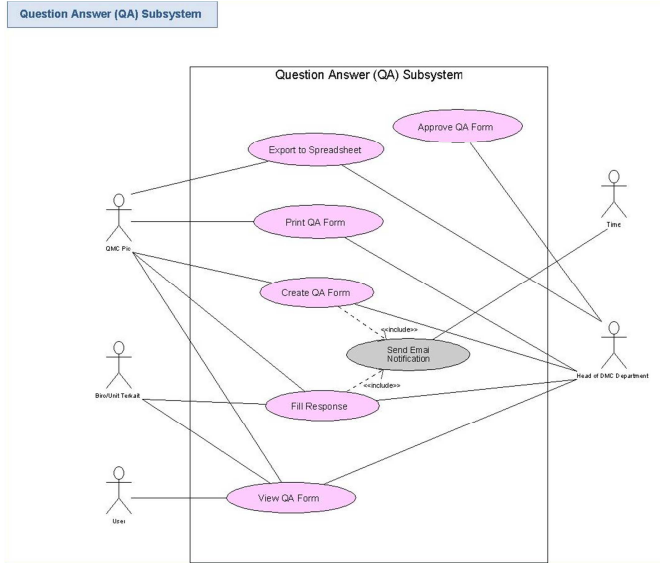


Fig. 2.3 Use Case for Question Answer Subsystem

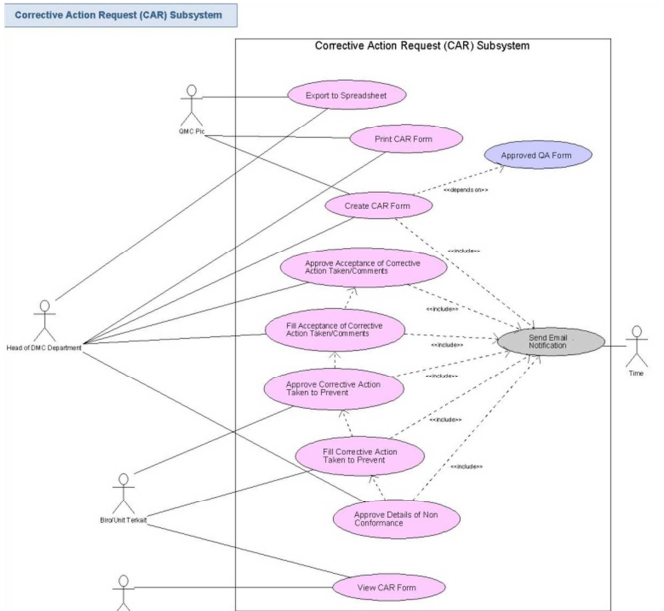


Fig. 2.4 Use Case for Corrective Action Request Subsystem

C. Document Flow Diagram

A Document Flow Diagram is used to display the flow of document through a system and a task or processing performed by the system. Document Flow Diagram for Question Answer Subsystem can be seen in Figure 2.5 and Corrective Action Request can be seen in Figure 2.6

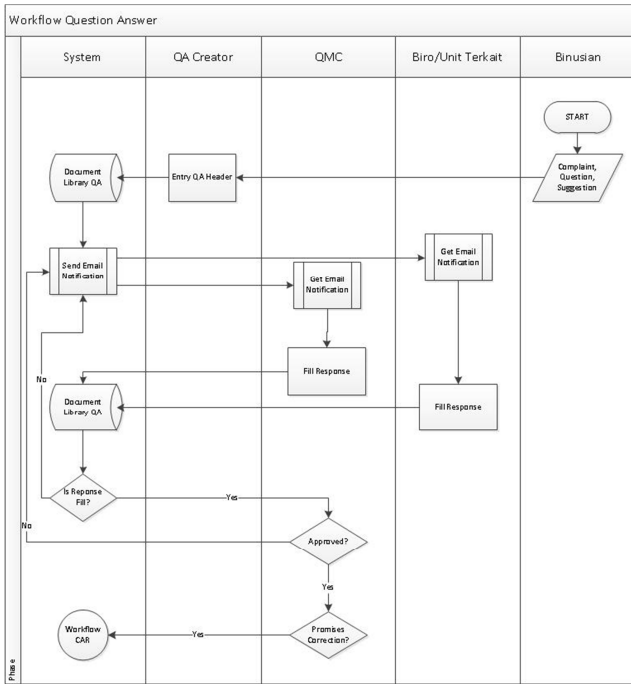


Fig. 2.5 Document Flow Diagram for Question Answer Subsystem

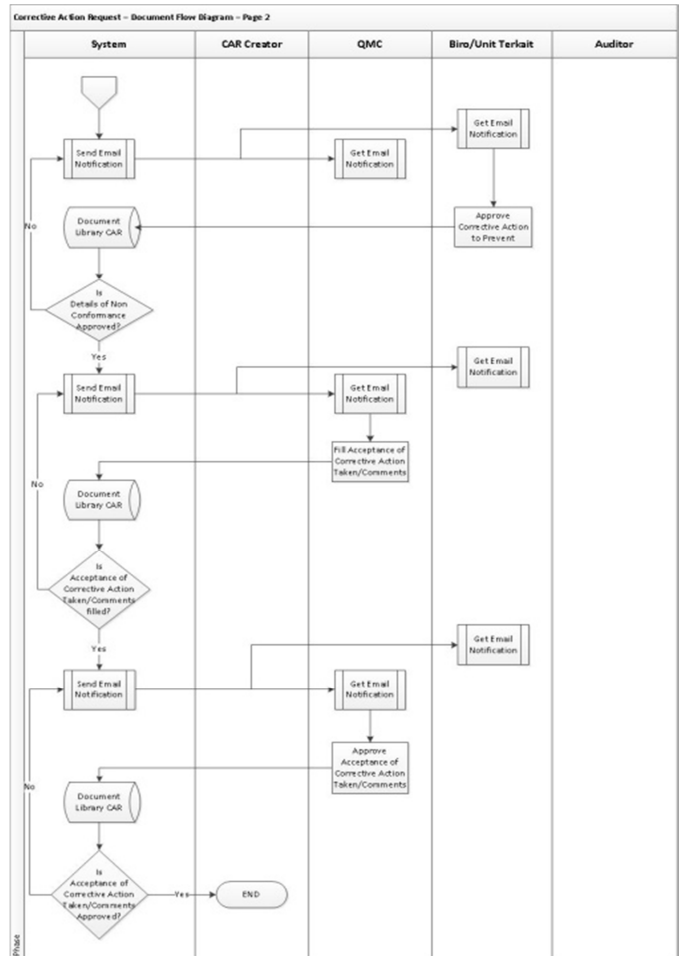
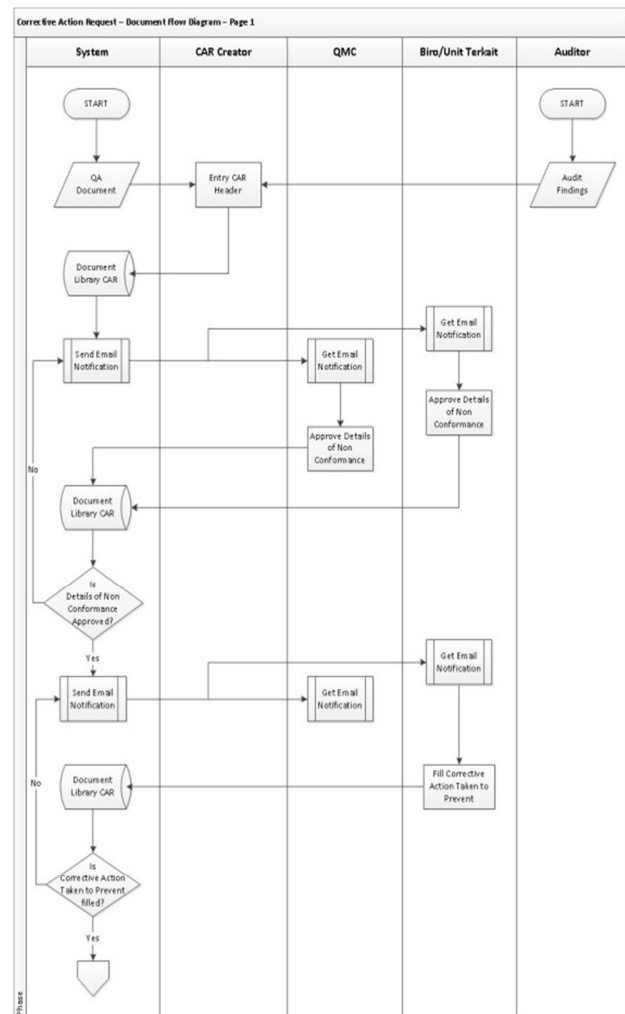


Fig. 2.6 Document Flow Diagram for Corrective Action Request Subsystem



Coding

Developing QA and CAR system application used the following tools Windows Server 2003 (4), Microsoft SharePoint Server 2007, Microsoft SharePoint Designer 2007, Microsoft Visual Studio 2008, Microsoft InfoPath 2007, Microsoft Access 2007 (5) that is supported by the language C # and VB.

Implementation

QA and CAR system application on its implementation requires hardware, software, networking systems, and human resources to run properly and according to destination.

In this case the installation was divided into five sections, installation of Web Server (.NET Framework 3.5 (6), Microsoft Visual Studio 2008), installation of database server (SQL Server 2005), Active Director Server installation, installation of mail server (Exchange Server), and installation client.

III. RESULTS

This research has resulted QA and CAR applications using SharePoint platform where this platform could be integrated with Exchange Server. Unlike previous applications, application QA and CAR had several features that had been automated, such as letters numbering feature, email notification and email reminder features. QA and CAR system applications had been modified so QA and CAR system applications suit with user's needs then users could run the QA and CAR services with optimal performance.

IV. CONCLUSIONS AND RECOMMENDATIONS

QA and CAR applications using SharePoint platform can be integrated with Exchange Server. QA and CAR applications can be coordinated because they can collaborate documents. QA and CAR applications have been matching with QA and CAR services workflow.

QA and CAR applications using SharePoint platform need file attachment feature so QMC can attach problem's evidences and action's evidences. QA and CAR applications need improve maximum bureaus so the user can use many bureaus as much as their will.

V. ACKNOWLEDGEMENT

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Thanks to staff of QMC BINUS University for providing information used for developing this project.

VI. REFERENCES

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