**Group No: 03**

**Course No**: CSE 308

**Course Name**: Software Design and Information System Design Sessional.

**Automated Development Authority**

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**Introduction:**

The name of our project is Automated Development Authority and our Model is RAJUK. RAJUK is an organization that is responsible for planning and development control of the metropolitan area of Dhaka.

**Subsystems:**

Our subsystems are:

* Form Submission and File Formation
* Land Use Clearance
* Building Permit
* Special Project Permit
* Appeal System
* Complaint System

**Collaboration and Class Diagrams**

1. **Form Submission and File Formation System:**

**1.1 Submit Form**

1.1.1 Collaboration Diagram:



Figure 1.1.1: Collaboration Diagram for Submit Form Use Case

1.1.2 Class Diagram:



Figure 1.1.2: Class Diagram for Submit Form Use Case

**1.2 Verify Payment**

1.2.1 Collaboration Diagram:



Figure 1.2.1: Collaboration Diagram for Verify Payment Use Case

1.2.2 Class Diagram:



Figure 1.2.2: Class Diagram for Verify Payment Use Case

**1.3 Forward File**

1.3.1 Collaboration Diagram:

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Figure 1.3.1: Collaboration Diagram for Forward File Use Case

* + 1. Class Diagram:



Figure 1.3.2: Class Diagram for Forward File Use Case

**2. Land UseClearance:**

**2.1File Receiving**

2.1.1 Collaboration Diagram:



Figure 2.1.1: Collaboration Diagram for Verify and Forward Use Case

2.1.2 Class Diagram:



Figure 2.1.2: Class Diagram for Verify and ForwardUse Case

**2.2 Document And Land Verification**

2.2.1 Collaboration Diagram:

Figure 2.2.1 shows the collaboration diagram for Document And Land Verificationuse Case.



Figure 2.2.1: Collaboration Diagram for Document And Land Verification use case.

2.2.2 Class Diagram:

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Figure 2.2.2: Class Diagram for Document and Land Verification use case.

**2.3 Verify and Forward**

2.3.1 Collaboration Diagram:



Figure 2.3.1: Collaboration Diagram for Verify and Forward Use Case

2.3.2 Class Diagram:



Figure 2.3.2: Class Diagram for Verify and Forward Use Case.

**2.4 Survey**

2.4.1 Collaboration Diagram:

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Figure 2.4.1: Collaboration Diagram for Survey Use Case

2.4.2 Class Diagram:



Figure 2.4.2: Class Diagram for Survey Use Case

**2.5 Application Correction**

2.5.1 Collaboration Diagram:

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Figure 2.5.1: Collaboration Diagram for Application Correction Use Case

2.5.2 Class Diagram:



Figure 2.5.2: Class Diagram for Application Correction Use Case

**2.6 Forward**

2.6.1 Collaboration Diagram:



Figure 2.6.1: Collaboration Diagram for ForwardUse Case

2.6.2 Class Diagram:



Figure 2.6.2: Class Diagram for ForwardUse Case

**2.7 DAP Verification**

2.7.1 Collaboration Diagram:



Figure 2.7.1: Collaboration Diagram for DAP Verification Use Case

2.7.2 Class Diagram:



Figure 2.7.2: Class Diagram for DAP VerificationUse Case

**2.8 File Forwarding**

2.8.1 Collaboration Diagram:



Figure 2.8.1: Collaboration Diagram for File ForwardingUse Case

2.8.2 Class Diagram:



Figure 2.8.2: Class Diagram for File ForwardingUse Case

**2.9 Clearance**

2.9.1 Collaboration Diagram:



Figure 2.9.1: Collaboration Diagram for Clearance Use Case

2.9.2 Class Diagram:Figure 2.9.2: Class Diagram for ClearanceUse Case

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**3. Building Permit**

3.1 File Receiving

3.1.1 Collaboration Diagram:



Figure 3.1.1: Collaboration Diagram for File ReceivingUse Case

3.1.2 Class Diagram:



Figure 3.1.2: Class Diagram for File ReceivingUse Case

**3.2 Map Verification and Document Checking**

3.2.1 Collaboration Diagram:



Figure 3.2.1: Collaboration Diagram for Map Verification and Document Checking Use Case

3.2.2 Class Diagram:



Figure 3.2.2: Class Diagram for Map Verification and Document Checking Use Case

**3.3 Field Work**

3.3.1 Collaboration Diagram:



Figure 3.3.1: Collaboration Diagram for Field Work Use Case

3.3.2 Class Diagram:



Figure 3.3.2: Class Diagram for Field Work Use Case

**3.4 Check Inspection**

3.4.1 Collaboration Diagram:



Figure 3.4.1: Collaboration Diagram for Check Inspection Use Case

3.4.2 Class Diagram:



Figure 3.4.2: Class Diagram for Check InspectionUse Case

**3.5 Preliminary Check**

4.5.1 Collaboration Diagram:



Figure 3.5.1: Collaboration Diagram for Preliminary Check Use Case

3.5.2 Class Diagram:



Figure 3.5.2: Class Diagram for Preliminary CheckUse Case

**3.6 Forward to BC Committee**

3.6.1 Collaboration Diagram:



Figure 3.6.1: Collaboration Diagram for Forward to BC Committee Use Case

3.6.2 Class Diagram:



Figure 3.6.2: Class Diagram for Forward to BC Committee Use Case

**3.7 Decision Making**

3.7.1 Collaboration Diagram:



Figure 3.7.1: Collaboration Diagram Decision Making Use Case

3.7.2 Class Diagram:



Figure 3.7.2: Class Diagram for Decision Making Use Case

**3.8 Permission Approval**

3.8.1 Collaboration Diagram:



Figure 3.8.1: Collaboration Diagram for Permission Approval Use Case

3.8.2 Class Diagram:



Figure 3.8.2: Class Diagram for Permission Approval Use Case

**3.9 Permission Rejection**

3.9.1 Collaboration Diagram:



Figure 3.9.1: Collaboration Diagram for Permission Rejection Use Case

3.9.2 Class Diagram:



Figure 3.9.2: Class Diagram for Permission RejectionUse Case

**3.10 Permission Correction**

3.10.1 Collaboration Diagram:

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Figure 3.10.1: Collaboration Diagram for Permission Correction Use Case

3.10.2 Class Diagram:



Figure 3.10.2: Class Diagram for Permission Correction Use Case

**4. Special Project Permit System:**

**4.1 File Receiving**

4.1.1 Collaboration Diagram:



Figure 4.1.1: Collaboration Diagram for File Receiving Use Case

4.1.2 Class Diagram:



Figure 4.1.2: Class Diagram for File ReceivingUse Case

**4.2 File Forwarding**

4.2.1 Collaboration Diagram:



Figure 4.2.1: Collaboration Diagram for File Forwarding Use Case

4.2.2 Class Diagram:



Figure 4.2.2: Class Diagram for File Forwarding Use Case

**4.3 Meeting**

4.3.1 Collaboration Diagram:



Figure 4.3.1: Collaboration Diagram for MeetingUse Case

4.3.2 Class Diagram:



Figure 4.3.2: Class Diagram for MeetingUse Case

**4.4 Permission Approval**

4.4.1 Collaboration Diagram:



Figure 4.4.1: Collaboration Diagram for Permission ApprovalUse Case

4.4.2 Class Diagram:



Figure 4.4.2: Class Diagram for Permission ApprovalUse Case

**4.5 Permission Rejection**

4.5.1 Collaboration Diagram:



Figure 4.5.1: Collaboration Diagram for Permission Rejection Use Case

4.5.2 Class Diagram:



Figure 4.5.2: Class Diagram for Permission Rejection Use Case

**5.Appeal System:**

**5.1 File Receiving**

5.1.1 Collaboration Diagram:



Figure 5.1.1: Collaboration Diagram for File Receiving Use Case

5.1.2 Class Diagram:



Figure 5.1.2: Class Diagram for File Receiving Use Case

**5.2 File Forwarding**

5.2.1 Collaboration Diagram:



Figure 5.2.1: Collaboration Diagram for File Forwarding Use Case

5.2.2 Class Diagram:



Figure 5.2.2: Class Diagram for File ForwardingUse Case

**5.3Board Hearing**

5.3.1 Collaboration Diagram:

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Figure 5.3.1: Collaboration Diagram for Board Hearing Use Case

5.3.2 Class Diagram:

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Figure 5.3.2: Class Diagram for Board HearingUse Case

**5.4 Appeal Approval**

5.4.1 Collaboration Diagram:

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Figure 5.4.1: Collaboration Diagram for Appeal Approval Use Case

5.4.2 Class Diagram:

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Figure 5.4.2: Class Diagram for Appeal ApprovalUse Case

**5.5 Appeal Rejection**

5.5.1 Collaboration Diagram:



Figure 5.5.1: Collaboration Diagram for Appeal RejectionUse Case

5.5.2 Class Diagram:



Figure 5.5.2: Class Diagram Appeal Rejection Use Case

**6. Complaint System:**

**6.1: Receive Complaint**

6.1.1: Collaboration Diagram:



Figure 6.1.1: Collaboration Diagram for Receive Complaint Use Case

6.1.2 Class Diagram:

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Figure 6.1.2: Class Diagram for Receive Complaint Use Case

**6.2:Forward complaint**

6.2.1: Collaboration Diagram:

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Figure 6.2.1: Collaboration Diagram for Forward complaint Use Case

6.2.2 Class Diagram:

****Figure 6.2.2: Class Diagram for Forward complaint Use Case

**6.3 Complaint Inspection**

6.3.1: Collaboration Diagram:



Figure 6.3.1: Collaboration Diagram for Complaint Inspection Use Case

6.3.2 Class Diagram:



Figure 6.3.2: Class Diagram for Complaint Inspection Use Case

**6.4 opening 2c File**

6.4.1: Collaboration Diagram:



Figure 6.4.1: Collaboration Diagram for opening 2c File Use Case

6.4.2 Class Diagram:



Figure 6.4.2: Class Diagram for opening 2c File Use Case

**6.5 Supervise Inspection**

6.5.1: Collaboration Diagram:



Figure 6.5.1: Collaboration Diagram for Supervise Inspection Use Case

6.5.2 Class Diagram:



Figure 6.5.2: Class Diagram for Supervise Inspection Use Case

**6.6 Technical Verification**

6.6.1: Collaboration Diagram:



Figure 6.6.1: Collaboration Diagram for Technical Verification Use Case

6.6.2 Class Diagram:



Figure 6.6.2: Class Diagram for Technical Verification Use Case

**6.7 Decision Making**

6.7.1: Collaboration Diagram:



Figure 6.7.1: Collaboration Diagram for Decision Making Use Case

6.7.2 Class Diagram:



Figure 6.7.2: Class Diagram for Decision Making Use Case

**6.8 Sending Notice**

6.2.1: Collaboration Diagram:



Figure 6.2.1: Collaboration Diagram for Sending Notice Use Case

6.2.2 Class Diagram:



Figure 6.2.2: Class Diagram for Sending Notice Use Case

**6.9 Enlist For Taking Action**

6.2.1: Collaboration Diagram:



Figure 6.2.1: Collaboration Diagram for Enlist For Taking Action Use Case

6.2.2 Class Diagram:



Figure 6.2.2: Class Diagram for Enlist For Taking Action Use Case