RBS
The Royal Bank of Scotland

BANK STRUCTURE

Software Requirement
Specification
VERSION 1.0

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PREFACE

This document is a formal enlisting of the requirements of the module named 'Bank Structure'. Bank Structure is a module used for granting permissions to access the service across the various modules of the product. This module also limits the type of request being accessed within the module depending upon the various constraints defined.

Chapter 1

INTRODUCTION

Bank Structure is an integral module within the banking software which gives the permissions of access to the users within the banking system.

1.1 Purpose

This module is used to provide framework for the bank. Every operation of the bank will require the access from the bank structure based on different access rights.

1.2 Module Scope

1. To create the respective database for the given hierarchy at the bank to define the structure.

2. This system will be based on the bank structure to mobilize the flow for various services depending upon the permissions for different employees.

Chapter 2

OVERALL DESCRIPTION

2.1   Product Perspective

The module stores the Employee details containing:

1. Desk Id

2. Branch Id

3. Zone Id

The module further stores the following permissions for various service rights for the employee desks:
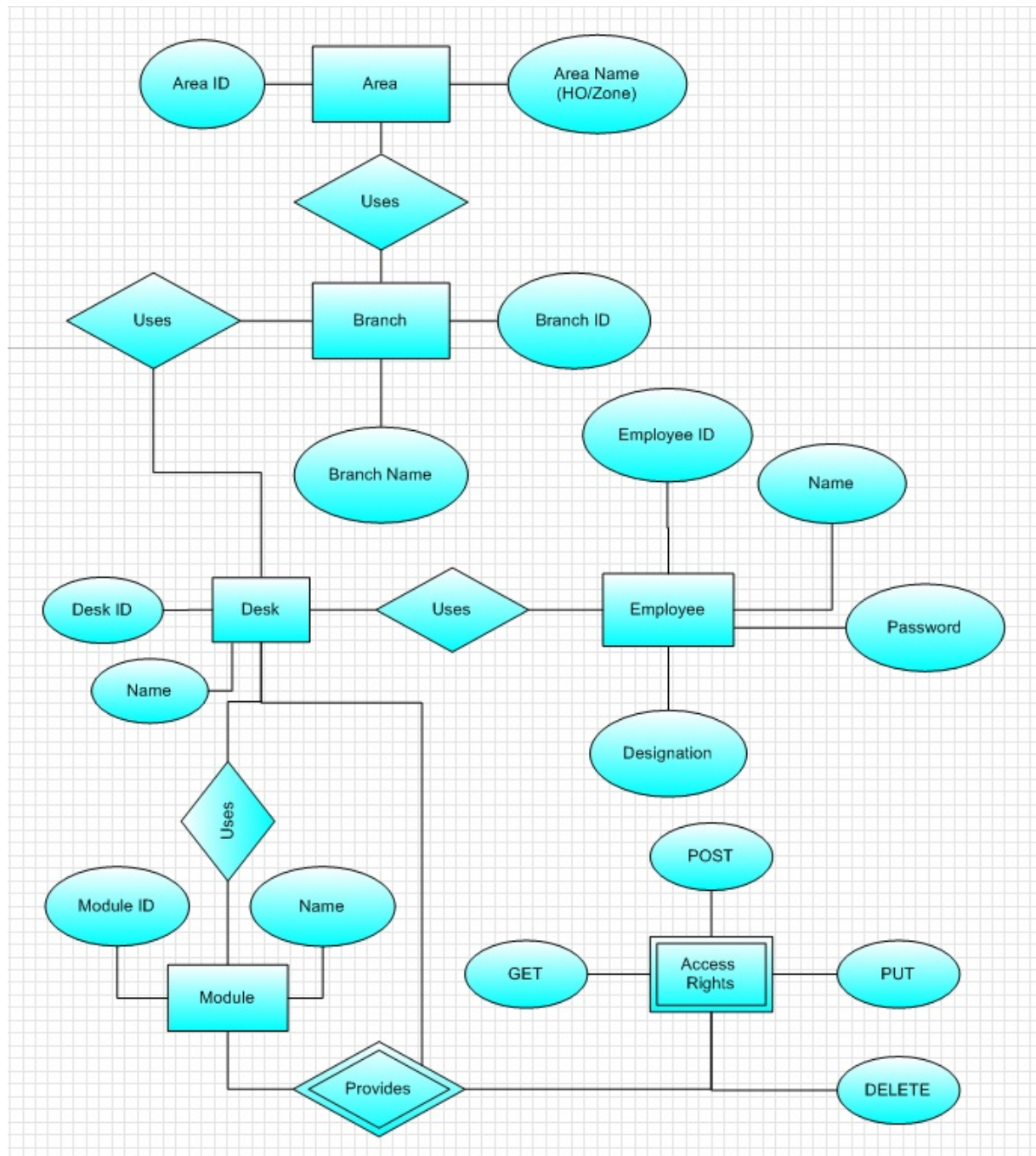
1. Get

2. Put

3. Post

4. Delete

The module also contains the permissions of maker checker.
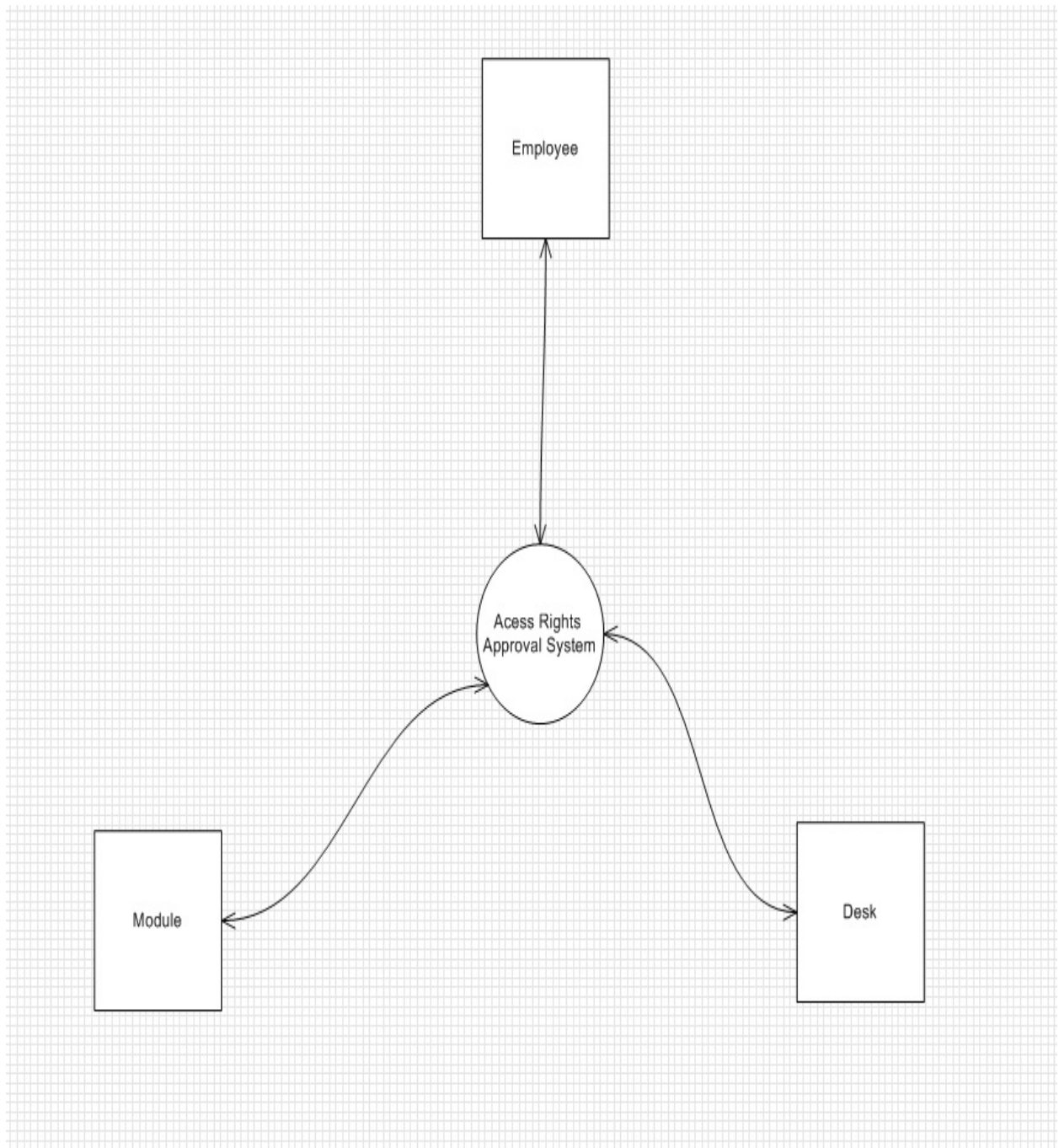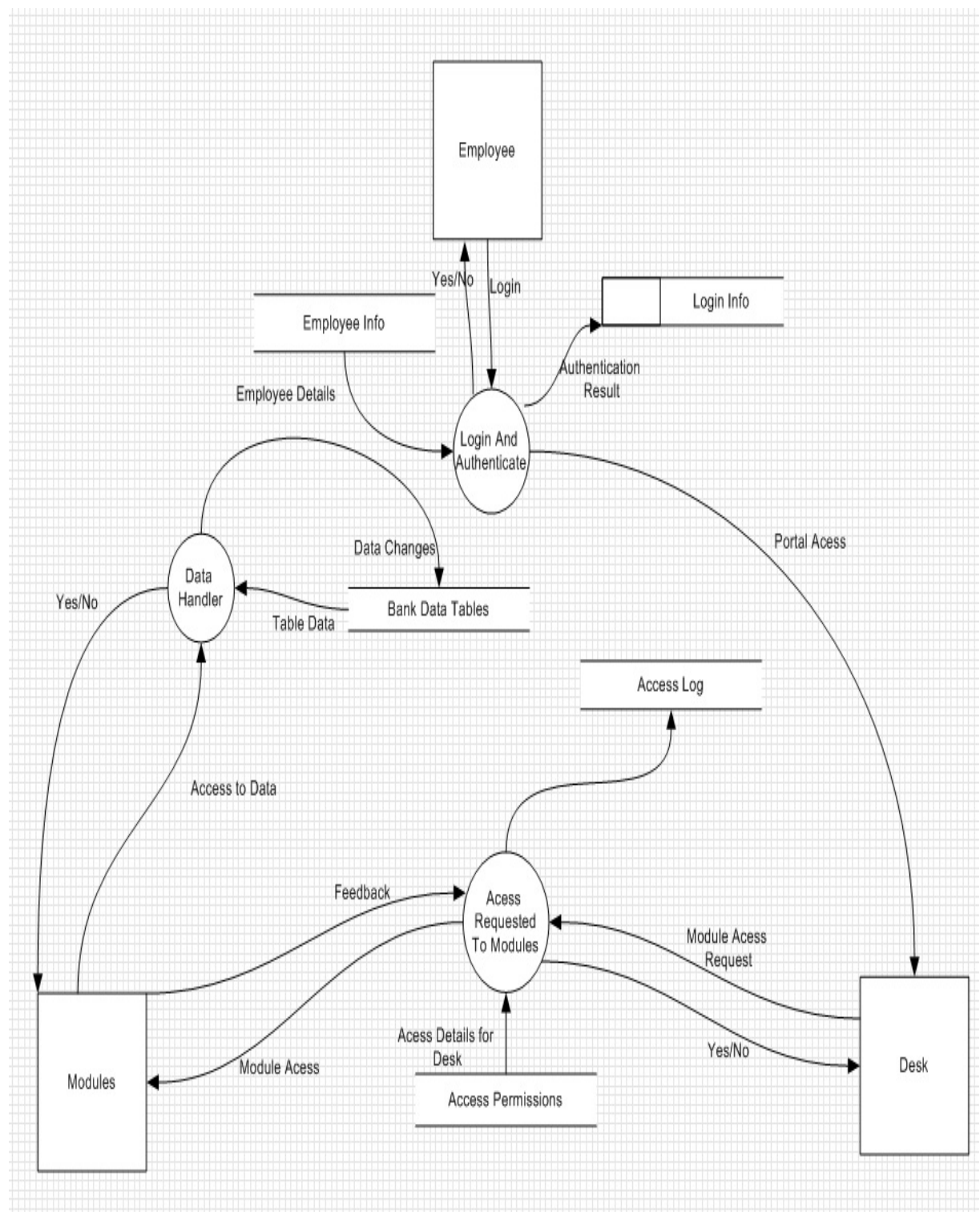
1. Maker

2. Checker

2.2   Product features
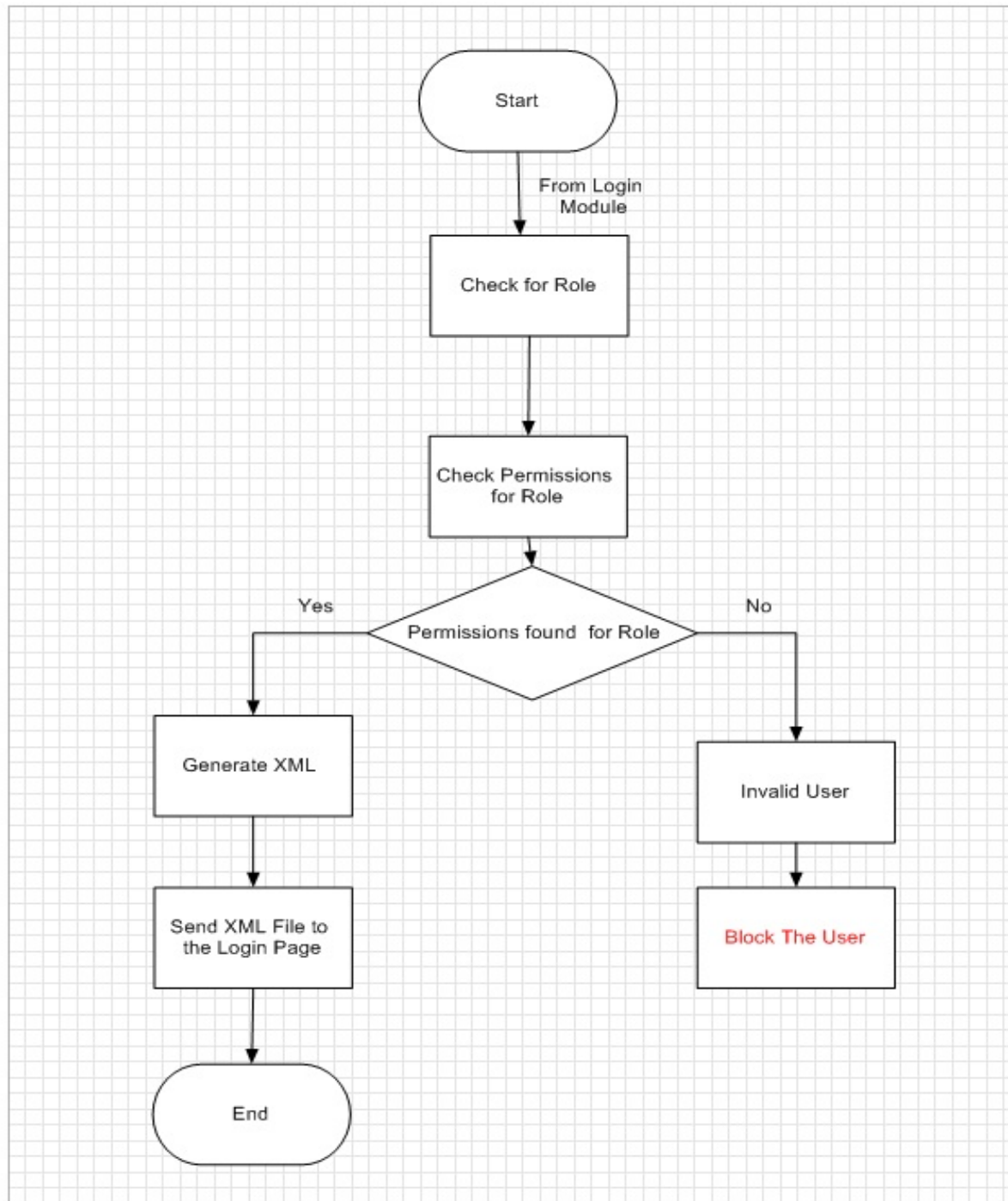
2.2.1   ER Diagram
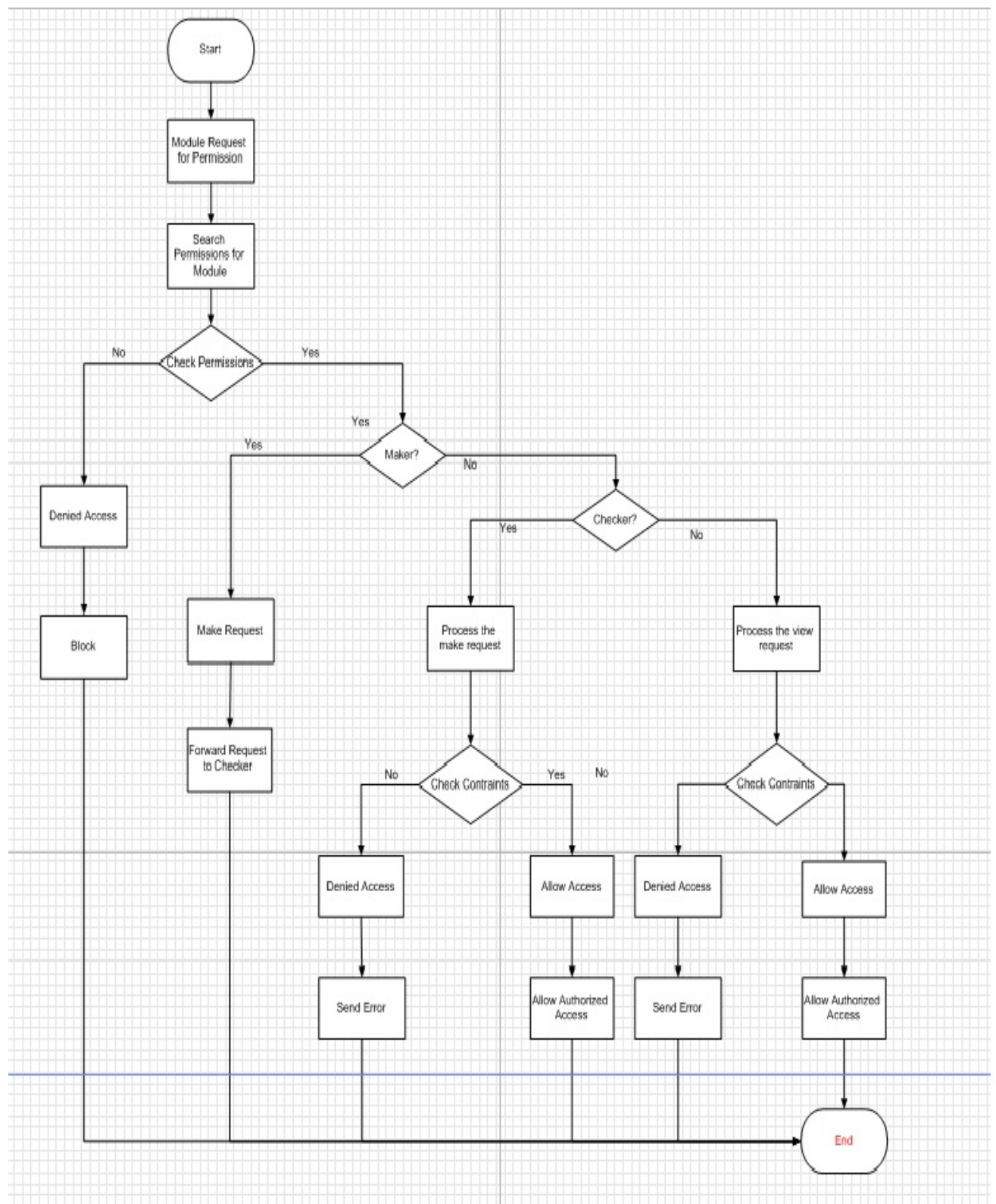
The logical diagram for Bank Structure:

2.2.2   Data Flow Diagrams

2.2.3 Flow Chart

```
                    ┌──────────────┐
                    │    Start     │
                    └──────┬───────┘
                           │ From Login
                           │ Module
                    ┌──────▼───────┐
                    │ Check for Role│
                    └──────┬───────┘
                           │
                  ┌────────▼─────────┐
                  │ Check Permissions│
                  │     for Role     │
                  └────────┬─────────┘
                           │
          Yes      ◇───────▼──────────◇      No
         ┌─────────  Permissions found for Role ──────────┐
         │         ◇──────────────────◇                   │
    ┌────▼─────┐                                     ┌─────▼──────┐
    │Generate  │                                     │Invalid User│
    │  XML     │                                     └─────┬──────┘
    └────┬─────┘                                           │
         │                                           ┌─────▼──────┐
  ┌──────▼──────┐                                    │Block The   │
  │Send XML File│                                    │   User     │
  │to the Login │                                    └────────────┘
  │    Page     │
  └──────┬──────┘
         │
    ┌────▼─────┐
    │   End    │
    └──────────┘
```

2.3 Operating Environment

Operating environment for the BANK STRUCTURE is as listed below

1. Centralized Database

2. Access Rights Approval Module

3. Operating System : Windows XP.

4. Database: Sql Developer

5. Platform: Java

2.4 Assumption Dependencies

Since project is being undertaken as an amalgam of various teams our own individual effort is dependent on the data tables maintained by the other teams. The underlying assumption is that the tables are maintained carefully and correctly. Such as:

1. Customer Management

2. Reference Data

3. Record Management

4. Product Catalog

5. Account Opening

6. Transaction Management

7. Reporting

8. Login And Authentication

2.5 Safety Requirements

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.

Chapter 3

EXTERNAL INTERFACE REQUIREMENTS

3.1 User Interfaces

1. Front-end software : Eclipse IDE

2. Back-end software : SQL Developer

3.2 Hardware Interfaces

1. Windows XP

2. Browser which supports HTML & Javascript.

3.3 Communication Interfaces

The role of this module comes in to provide service level and transaction level permissions to the different calls using the criteria in the database.

Chapter 4

Appendix

4.1   Appendix A : Analysis Models

In order to have a clear understanding of the functioning of the module using the given Technical Requirement Specification, it is recommended to have a study of :

1. ER - Diagram

2. Data Flow Diagrams

3. Flowchart

THANK YOU