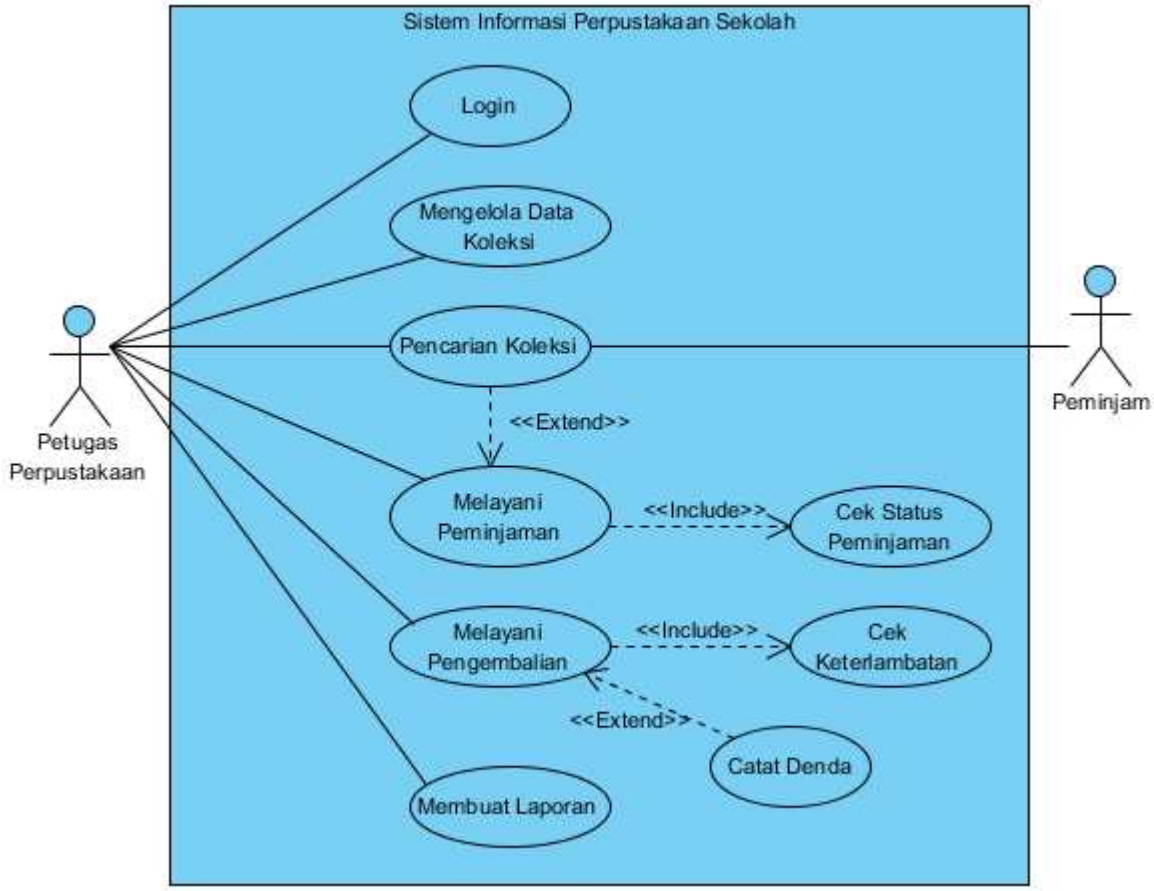
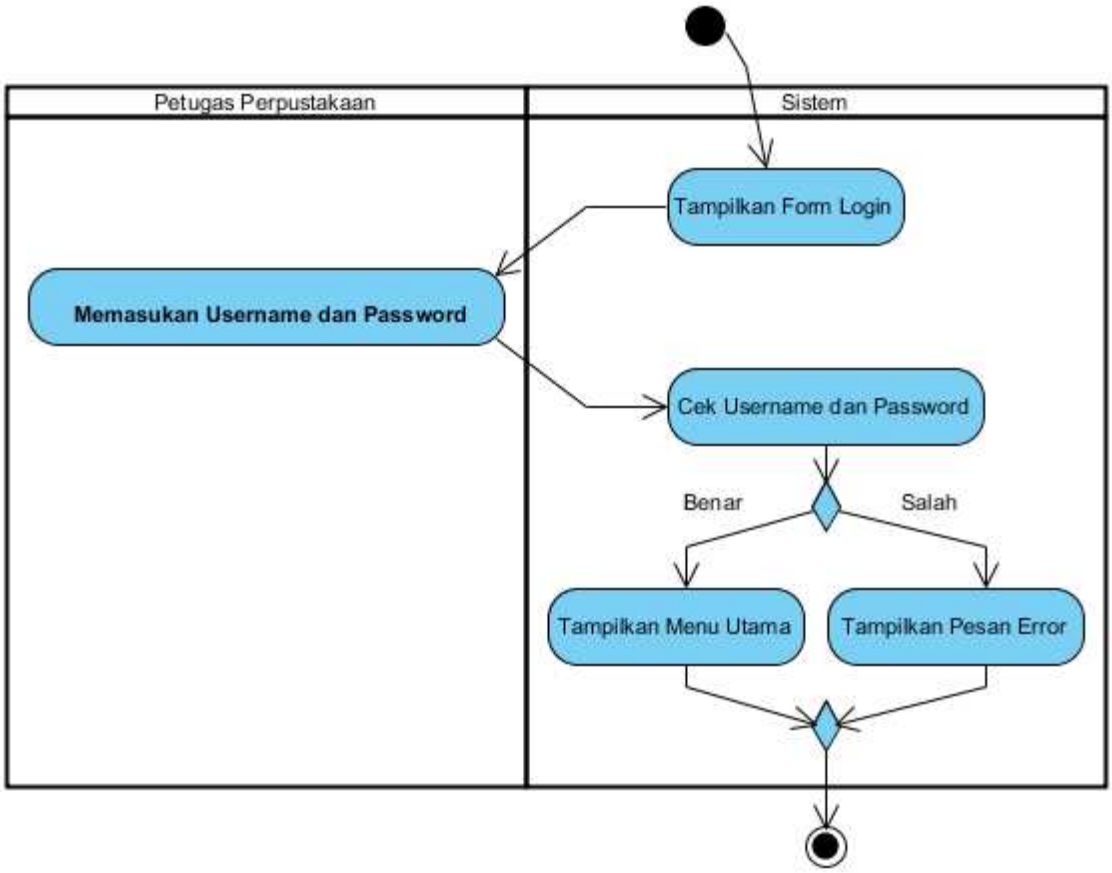
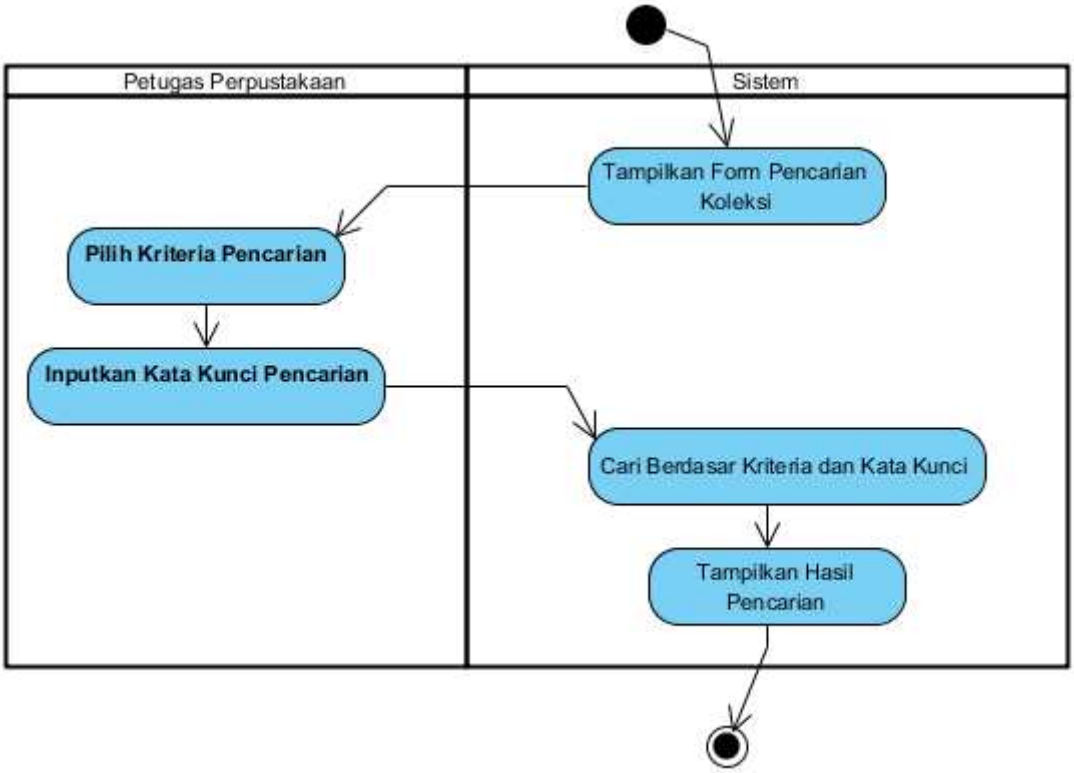
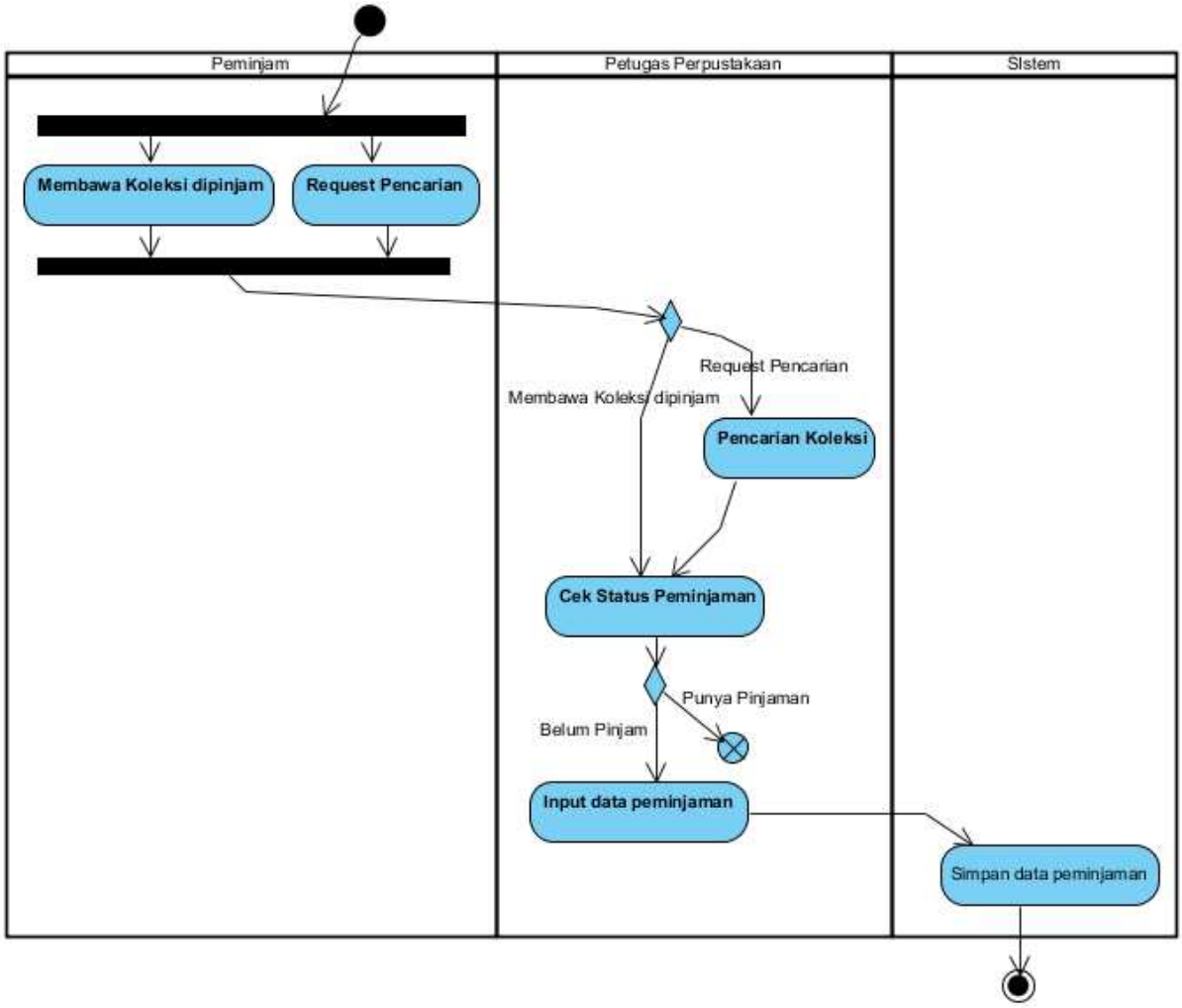
USE CASE

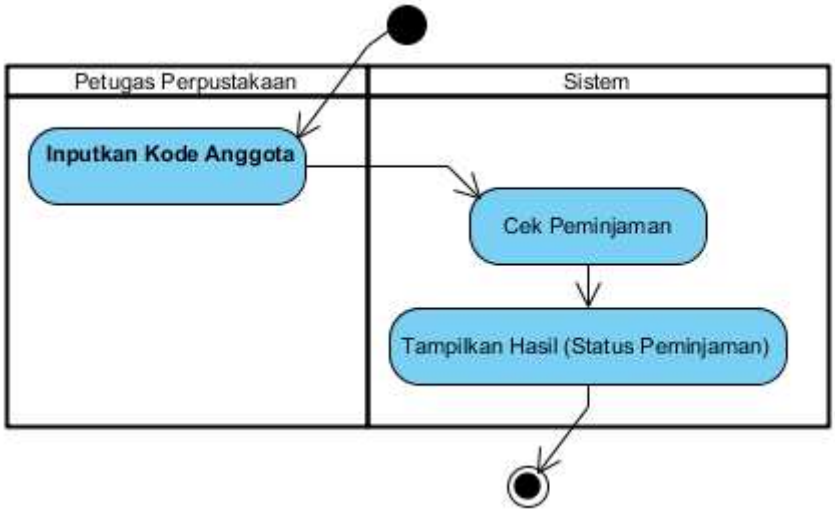


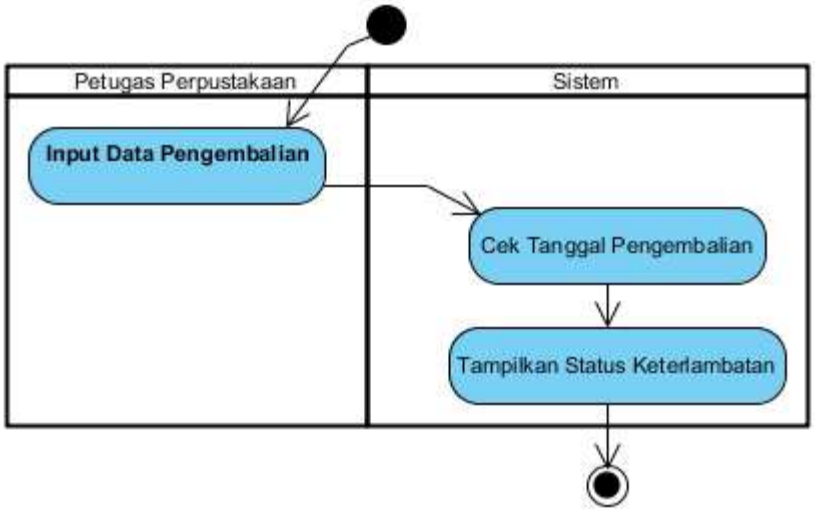
ACTIVITY DIAGRAM

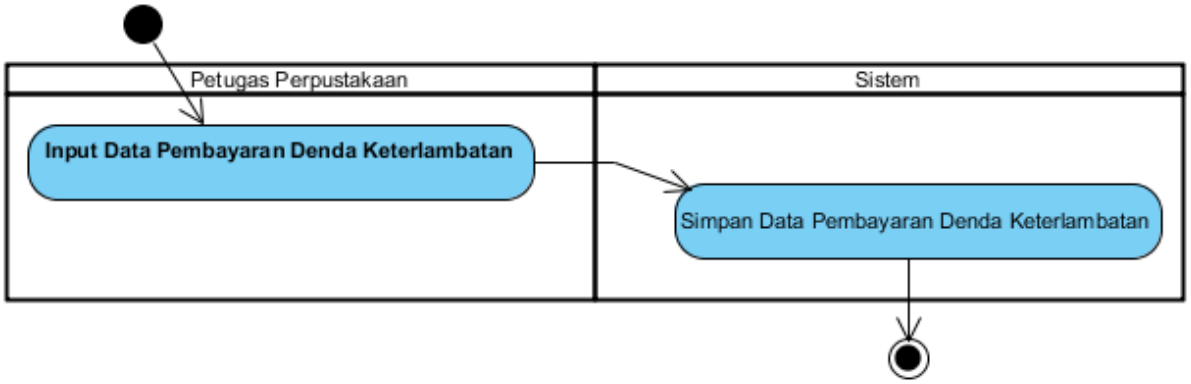


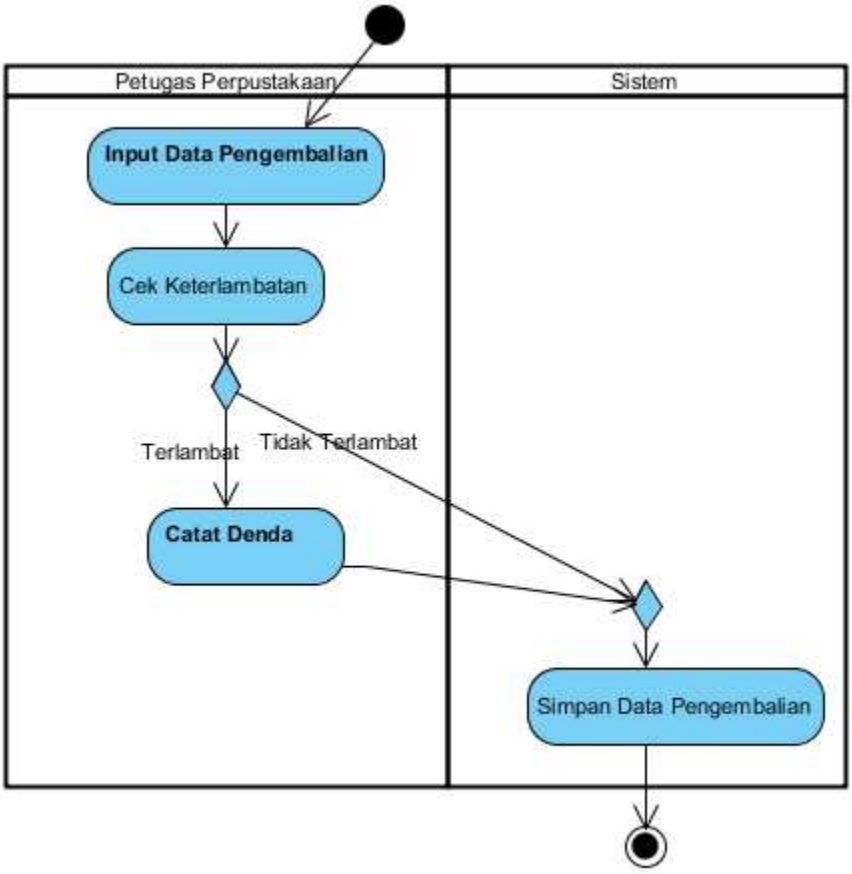

Petugas Perpustakaan
Sistem
Tampilkan Form Pencarian Koleksi
Pilih Kriteria Pencarian
Inputkan Kata Kunci Pencarian
Cari Berdasar Kriteria dan Kata Kunci
Tampilkan Hasil Pencarian

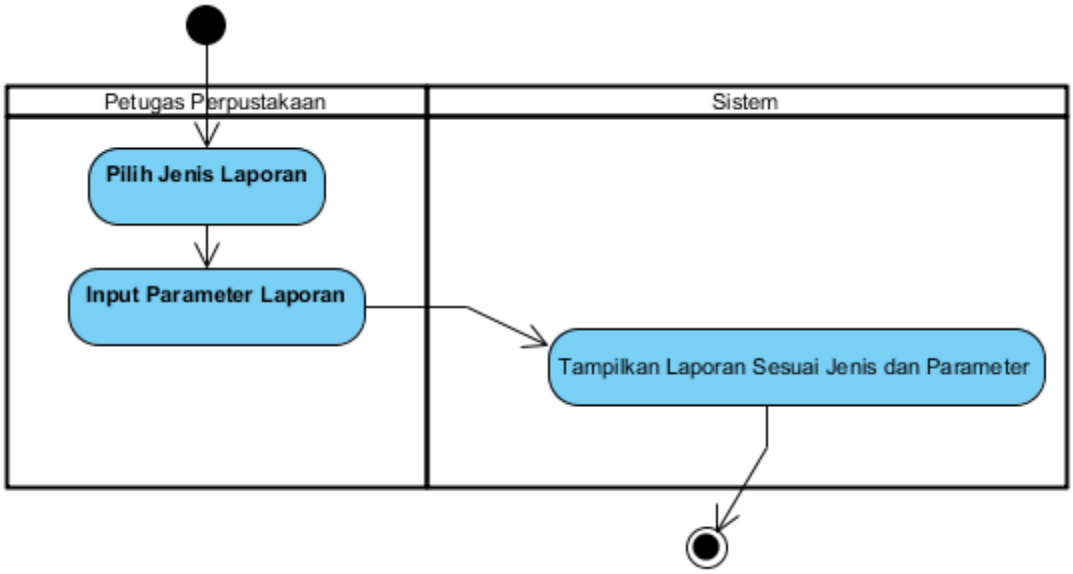

Peminjam
Petugas Perpustakaan
SIstem
Membawa Koleksi dipinjam
Request Pencarian
Request Pencarian
Membawa Koleksi dipinjam
Pencarian Koleksi
Cek Status Peminjaman
Punya Pinjaman
Belum Pinjam
Input data peminjaman
Simpan data peminjaman


Petugas Perpustakaan
Sistem
Inputkan Kode Anggota
Cek Peminjaman
Tampilkan Hasil (Status Peminjaman)

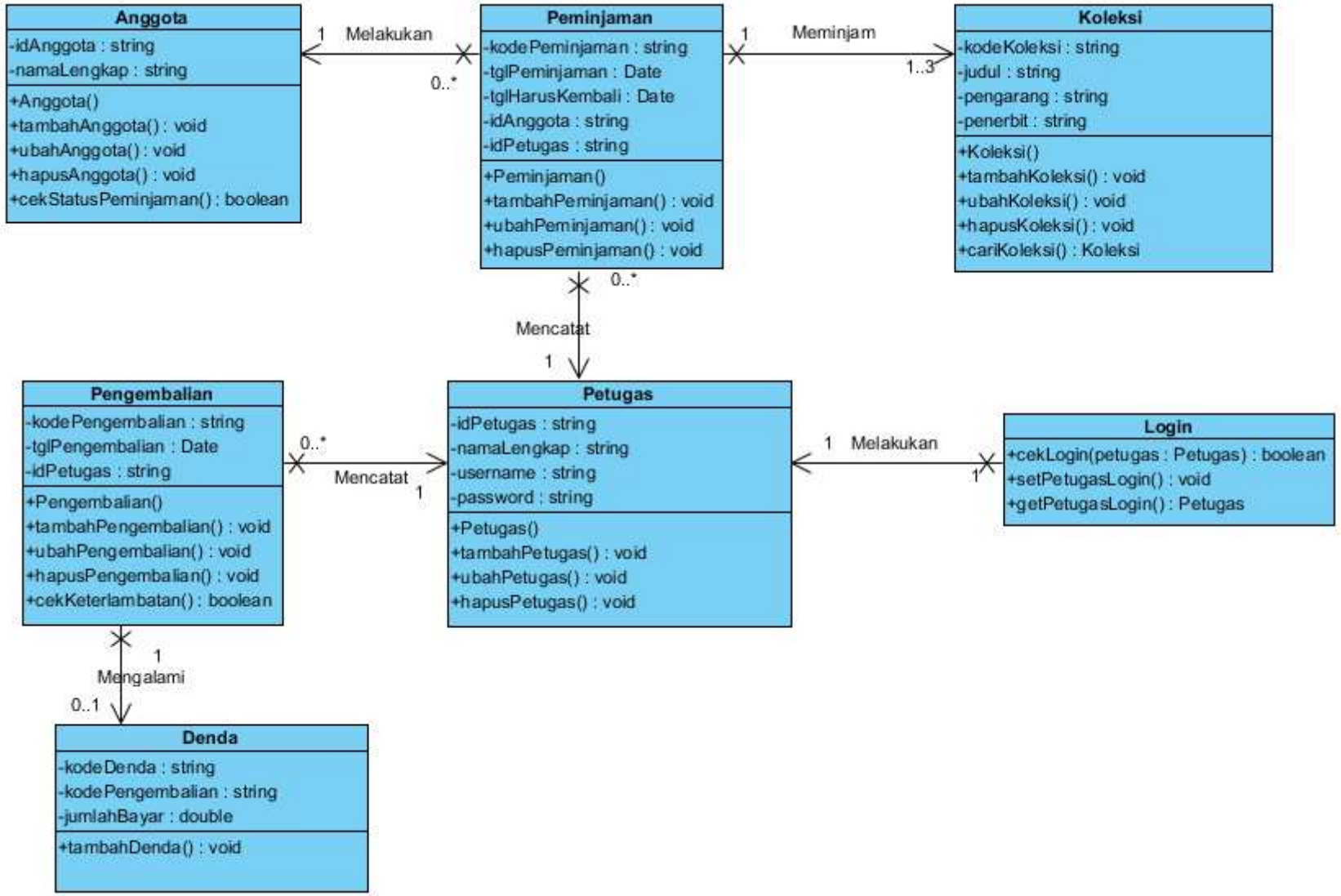

Petugas Perpustakaan
Sistem
Input Data Pengembalian
Cek Tanggal Pengembalian
Tampilkan Status Keterlambatan


Petugas Perpustakaan
Sistem
Input Data Pembayaran Denda Keterlambatan
Simpan Data Pembayaran Denda Keterlambatan

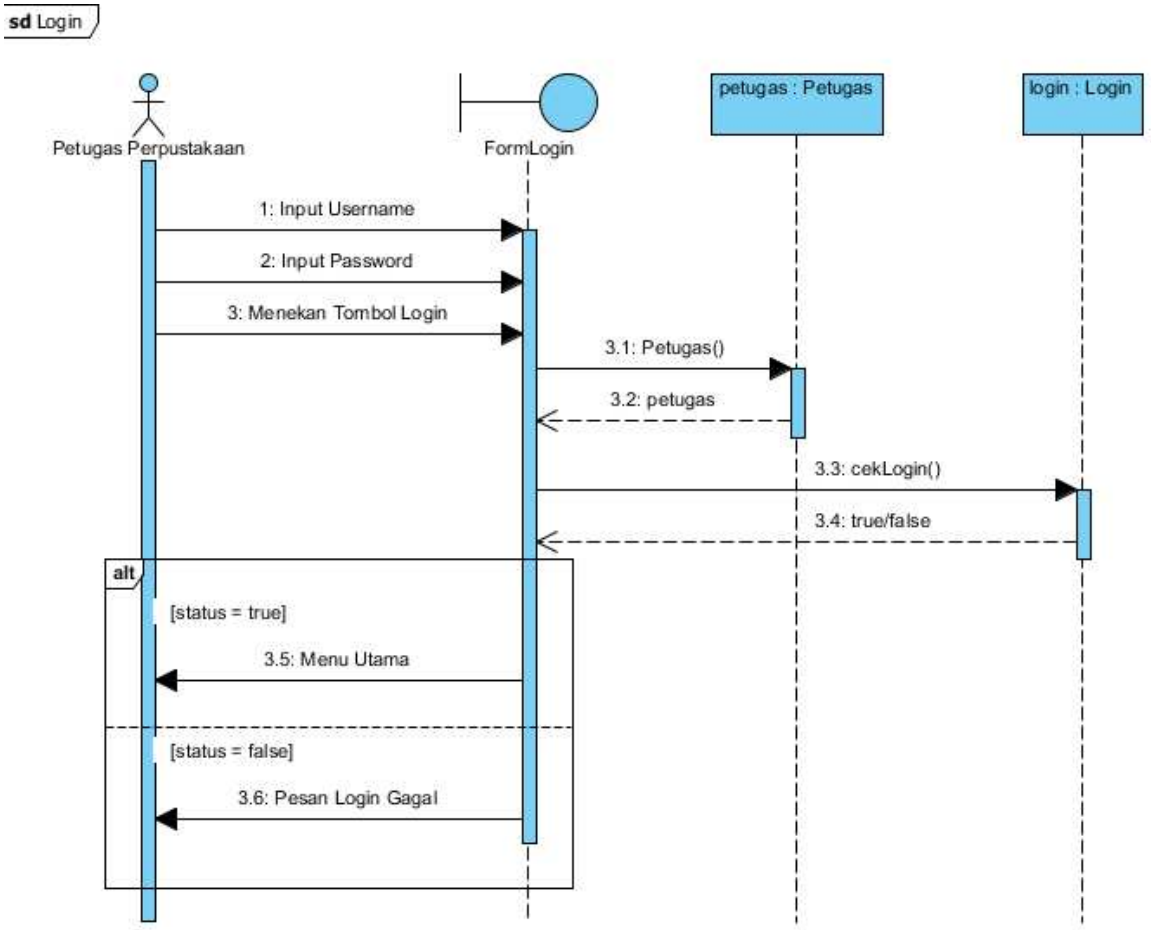

Petugas Perpustakaan
Sistem
Input Data Pengembalian
Cek Keterlambatan
Terlambat
Tidak Terlambat
Catat Denda
Simpan Data Pengembalian

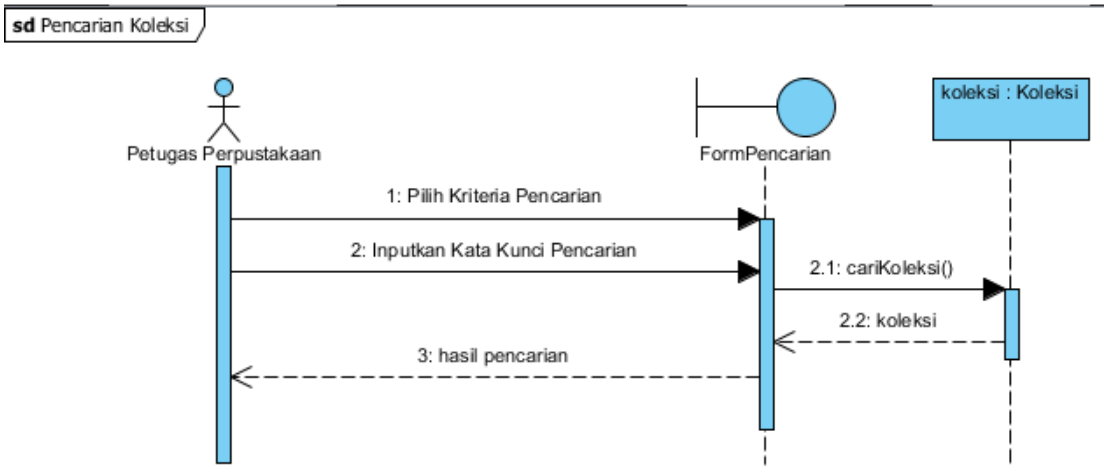

Petugas Perpustakaan
Sistem
Pilih Jenis Laporan
Input Parameter Laporan
Tampilkan Laporan Sesuai Jenis dan Parameter

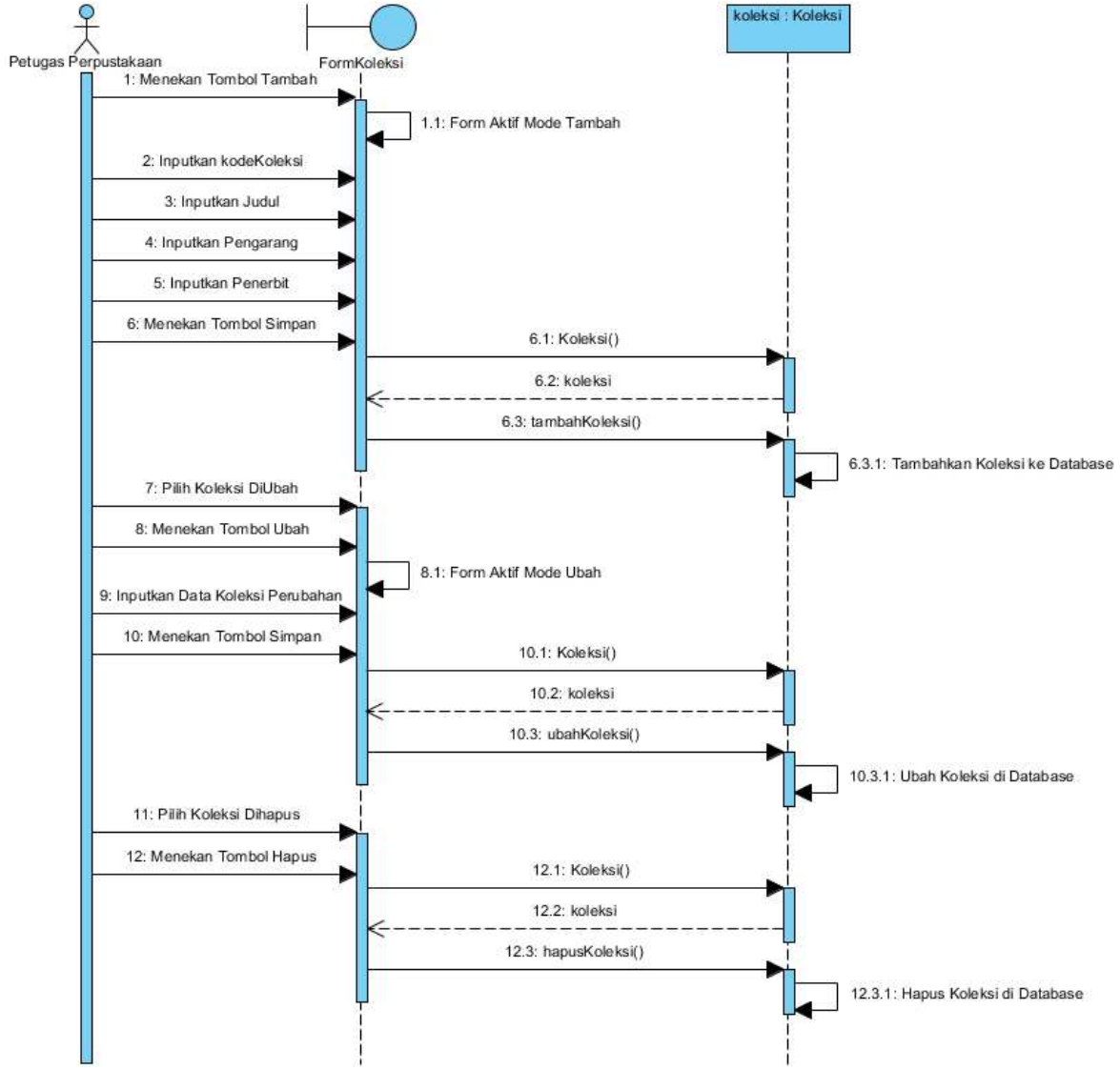
CLASS DIAGRAM

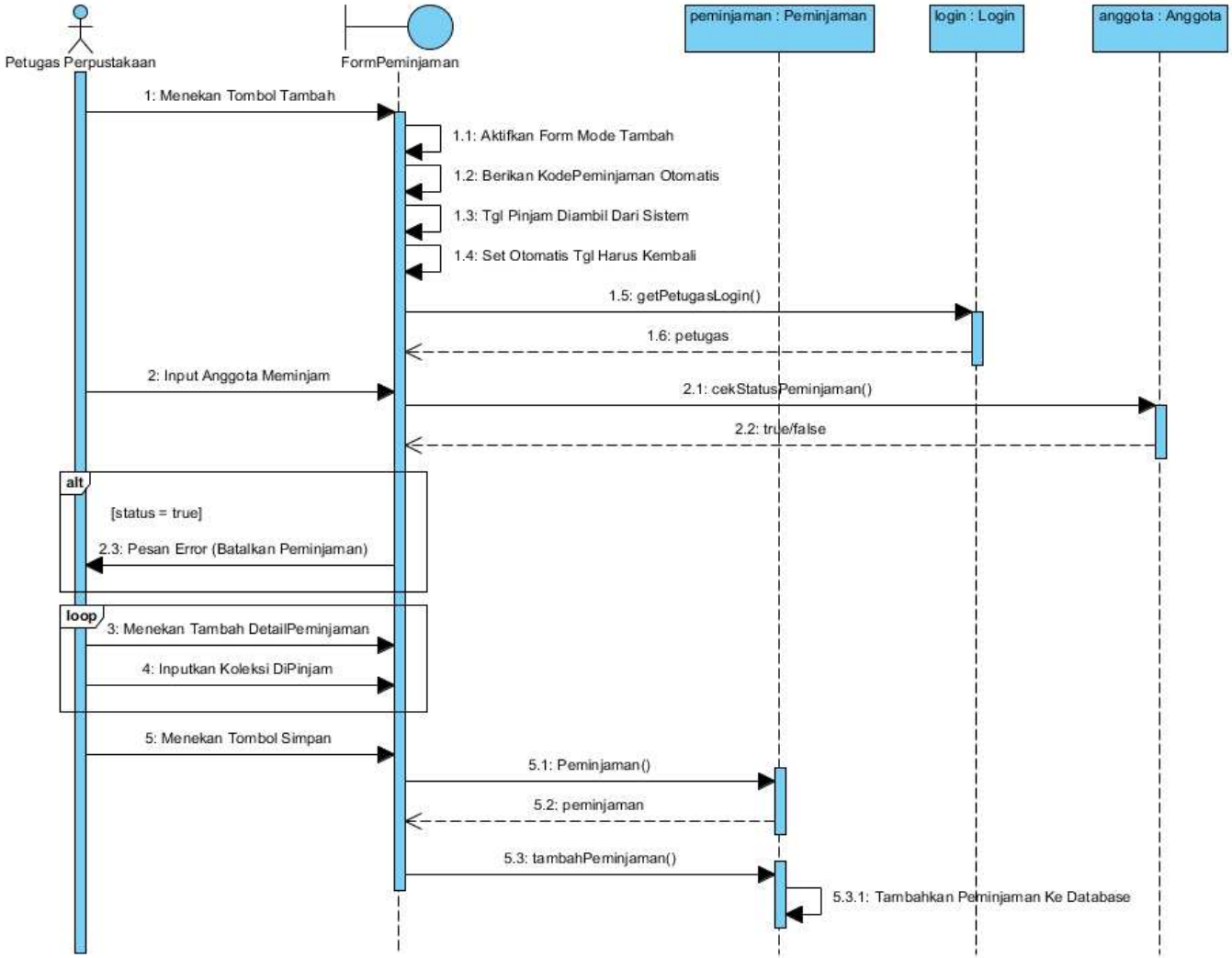


SEQUENCE DIAGRAM






Petugas Perpustakaan
FormKoleksi
koleksi : Koleksi
1: Menekan Tombol Tambah
1.1: Form Aktif Mode Tambah
2: Inputkan kodeKoleksi
3: Inputkan Judul
4: Inputkan Pengarang
5: Inputkan Penerbit
6: Menekan Tombol Simpan
6.1: Koleksi()
6.2: koleksi
6.3: tambahKoleksi()
6.3.1: Tambahkan Koleksi ke Database
7: Pilih Koleksi DiUbah
8: Menekan Tombol Ubah
8.1: Form Aktif Mode Ubah
9: Inputkan Data Koleksi Perubahan
10: Menekan Tombol Simpan
10.1: Koleksi()
10.2: koleksi
10.3: ubahKoleksi()
10.3.1: Ubah Koleksi di Database
11: Pilih Koleksi Dihapus
12: Menekan Tombol Hapus
12.1: Koleksi()
12.2: koleksi
12.3: hapusKoleksi()
12.3.1: Hapus Koleksi di Database


Petugas Perpustakaan
FormPeminjaman
peminjaman : Peminjaman
login : Login
anggota : Anggota
1: Menekan Tombol Tambah
1.1: Aktifkan Form Mode Tambah
1.2: Berikan KodePeminjaman Otomatis
1.3: Tgl Pinjam Diambil Dari Sistem
1.4: Set Otomatis Tgl Harus Kembali
1.5: getPetugasLogin()
1.6: petugas
2: Input Anggota Meminjam
2.1: cekStatusPeminjaman()
2.2: true/false
alt
[status = true]
2.3: Pesan Error (Batalkan Peminjaman)
loop
3: Menekan Tambah DetailPeminjaman
4: Inputkan Koleksi DiPinjam
5: Menekan Tombol Simpan
5.1: Peminjaman()
5.2: peminjaman
5.3: tambahPeminjaman()
5.3.1: Tambahkan Peminjaman Ke Database