CHAPTER 6

SYSTEM DESIGN

6.1 DATA FLOW DIAGRAM
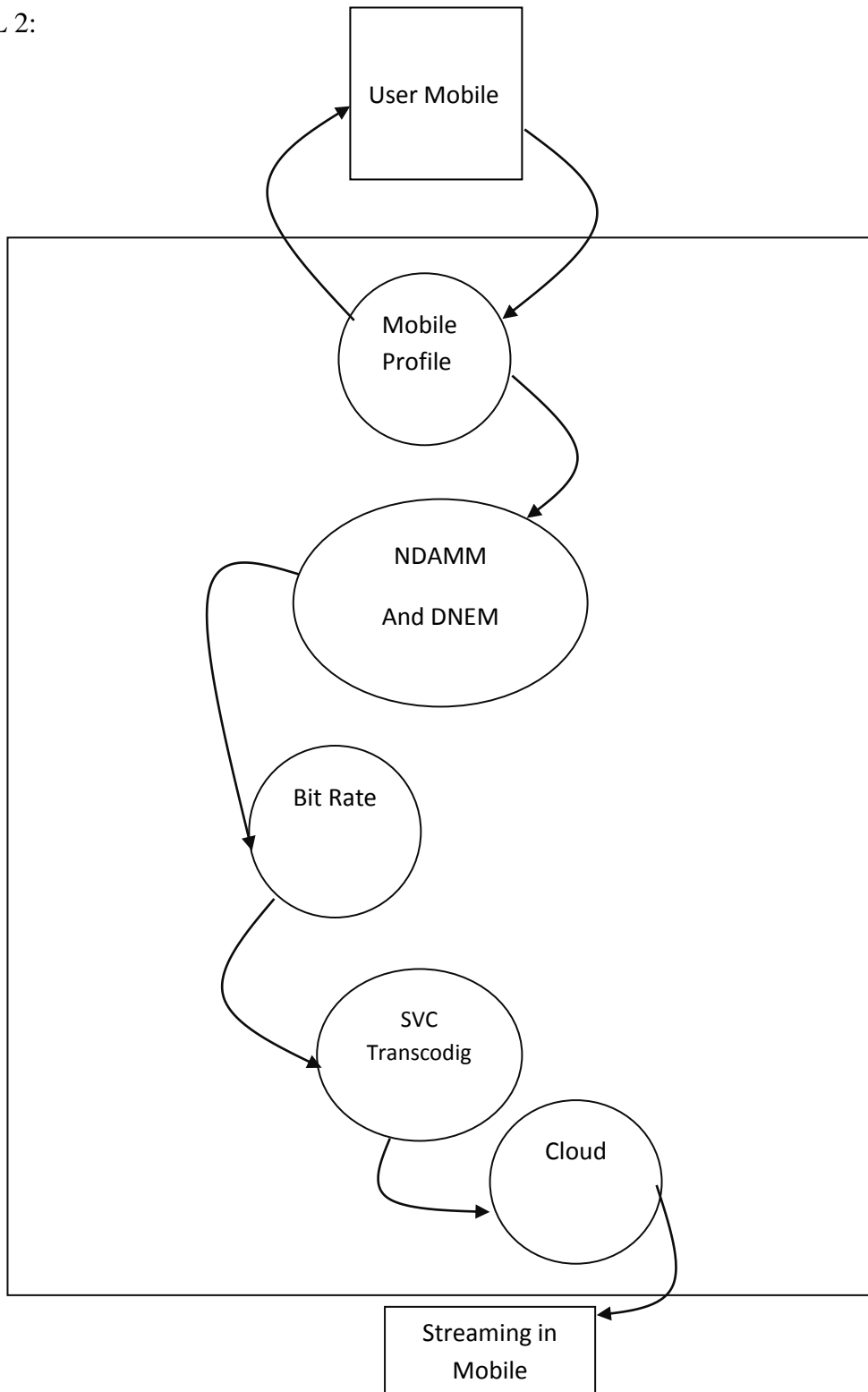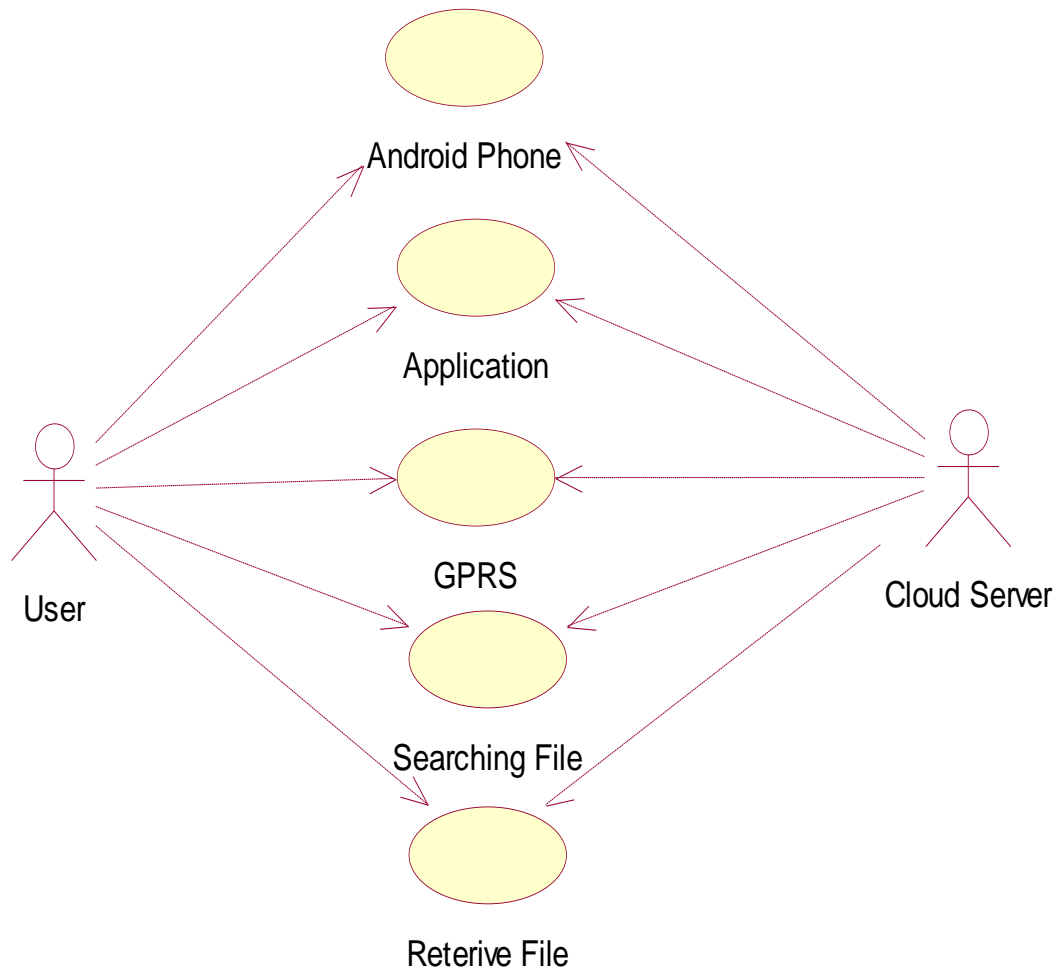
LEVEL 0:

User Mobile

Profile Examination

Cloud

LEVEL 1:

User Mobile

NDAMM

DNEM

Cloud

LEVEL 2:

User Mobile

Mobile
Profile

NDAMM
And DNEM

Bit Rate

SVC
Transcodig

Cloud

Streaming in
Mobile

17

6.2 USE CASE DIAGRAM

Android Phone

Application

User

GPRS

Cloud Server

Searching File

Reterive File
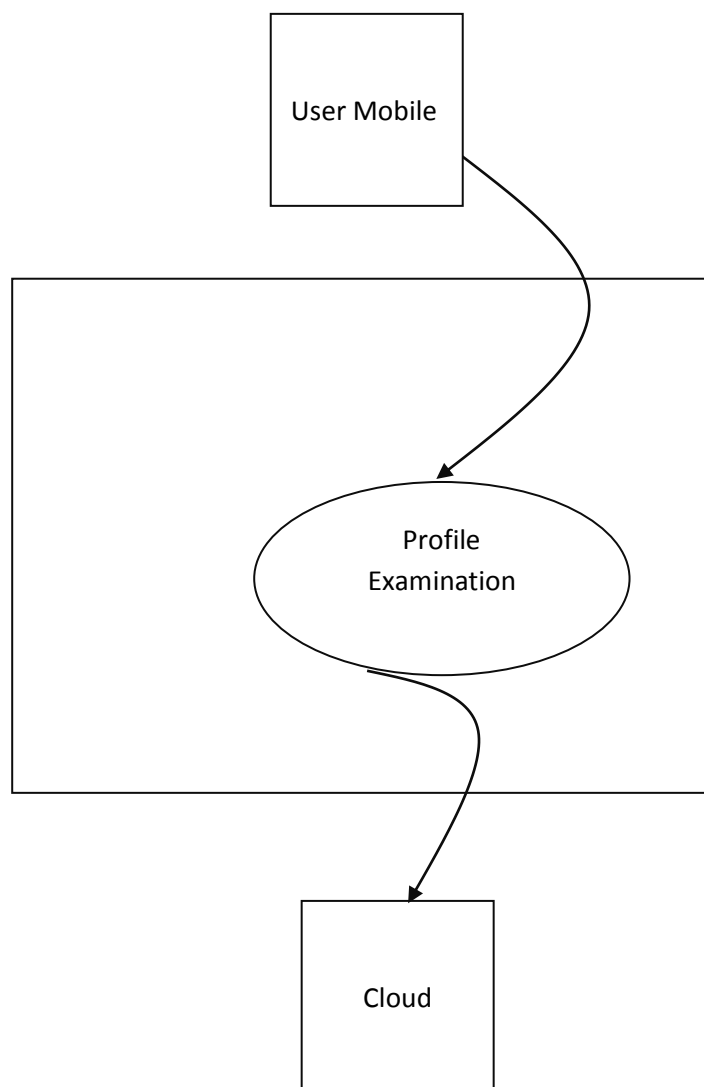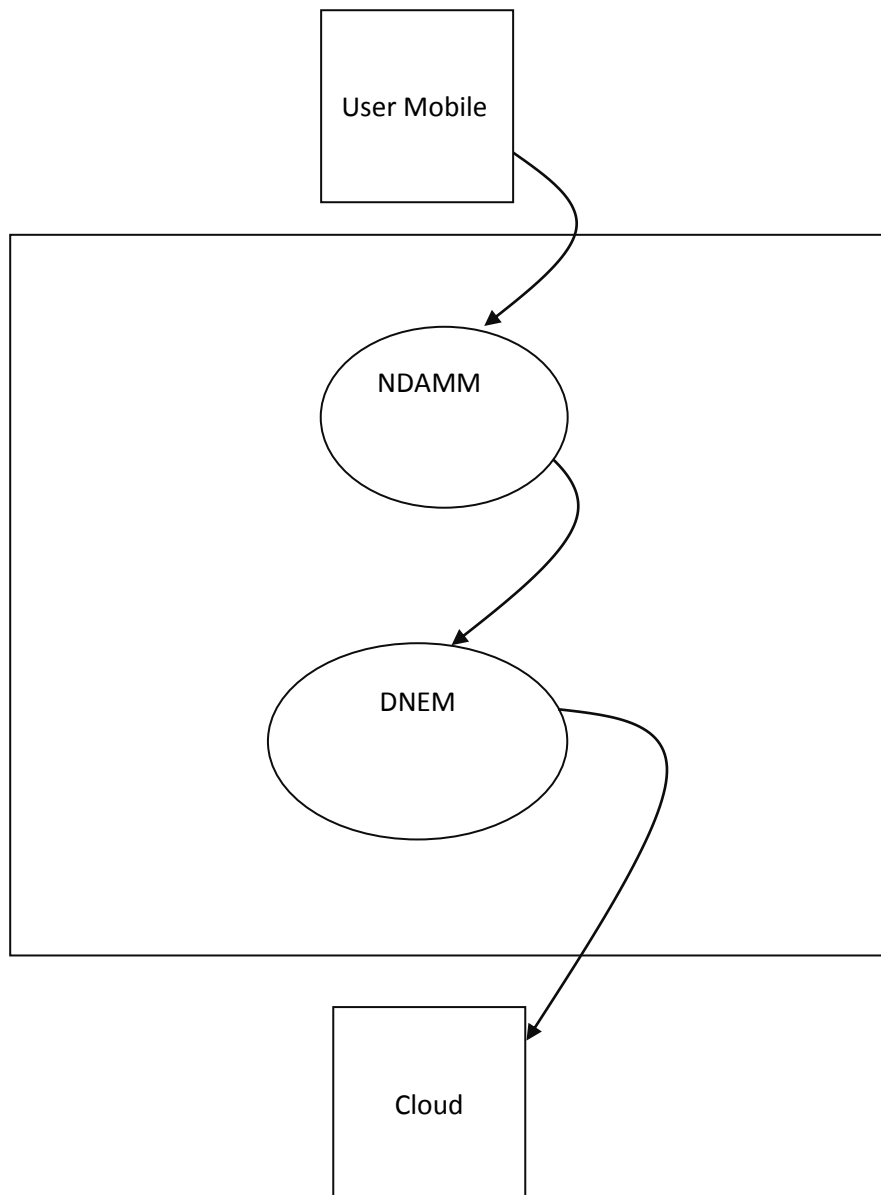
6.3 CLASS DIAGRAM

6.4 ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
              ┌──────────┐
              │   User   │
              └──────────┘
                    │
                    ▼
              ┌──────────┐
              │ Android  │
              │  Phone   │
              └──────────┘
                    │
                    ▼
              ┌──────────┐
              │Application│
              └──────────┘
                    │
                    ▼
      ┌──────────┐         ┌──────────┐
      │  Search  │         │  Device  │
      │Media File│         │Configura…│
      └──────────┘         └──────────┘
              │                 │
              └────────┬────────┘
                 ━━━━━━┿━━━━━━
                       │
                       ▼
                 ┌──────────┐
                 │  Media   │
                 │ Profile  │
                 └──────────┘
                       │
                       ▼
                 ┌──────────┐
                 │  Cloud   │
                 │  Server  │
                 └──────────┘
                       │
                       ▼
                 ┌──────────┐
                 │ Retrieve │
                 │Media File│
                 └──────────┘
                       │
                       ▼
                 ┌──────────┐
                 │ Display  │
                 └──────────┘
                       │
                       ▼
                       ◉
```
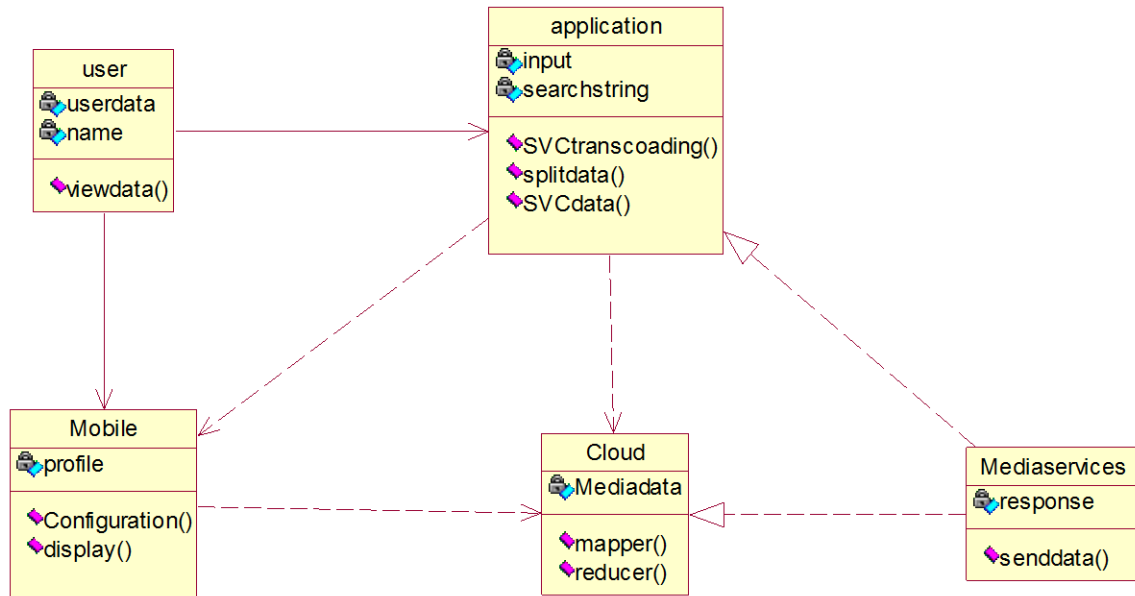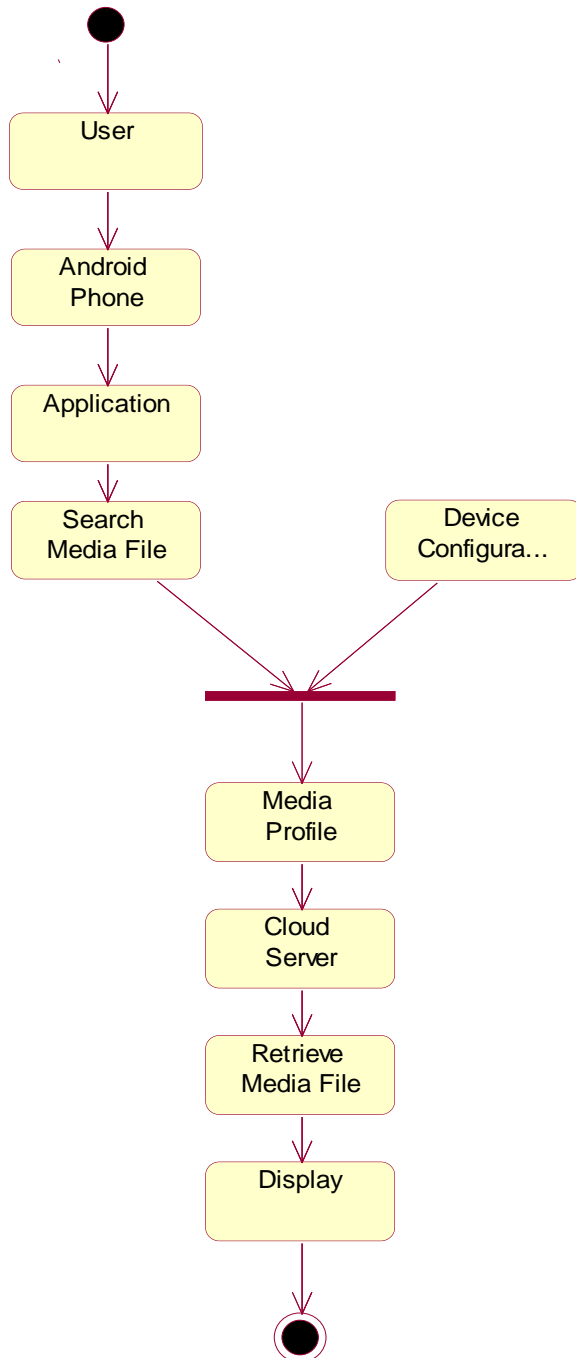
6.5 COLLABORATION DIAGRAM

6: User Profile
9: SVC Transcoding

1: Request
3: Search Media data

User

Application

7: Request Data

Media Services

2: Response
14: View Data

8: Media Data

11: Maping

5: Mobile Profile
13: SVC Data Formate

4: Request

10: Split Data

Cloud

12: Result

Phone

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6.6 SEQUENCE DIAGRAM