

LEMON

실시간 음악 감상 서비스

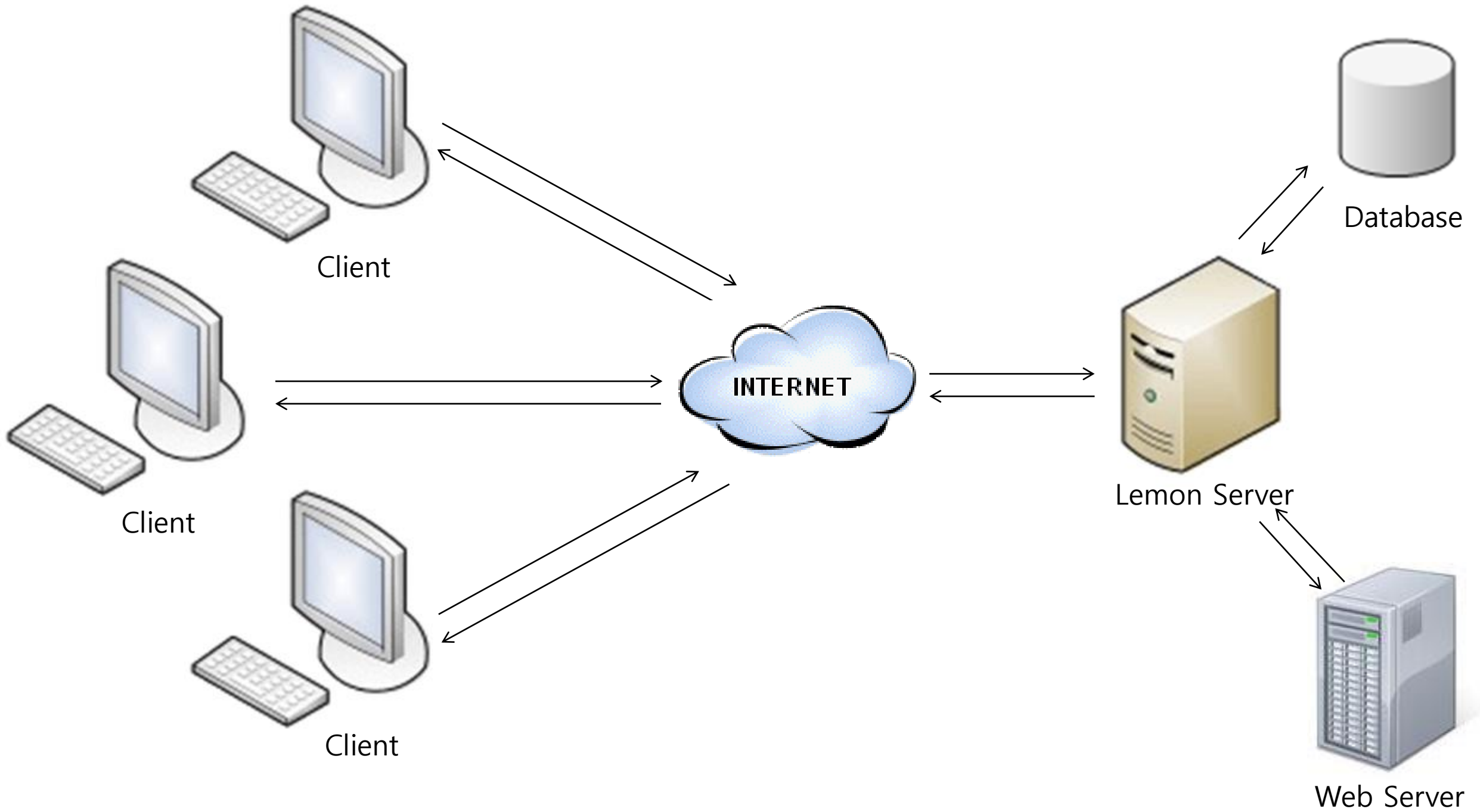
201311308 전세진

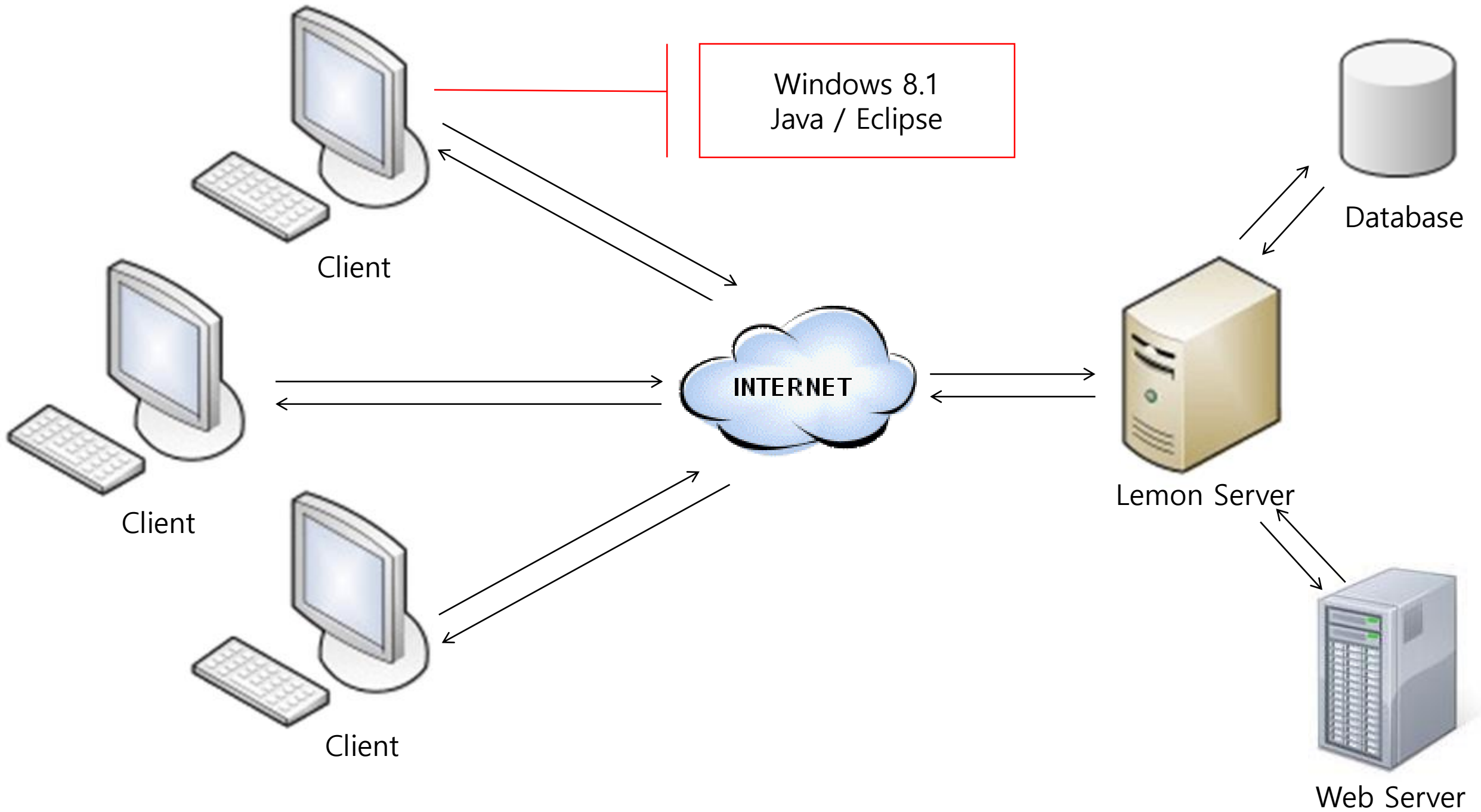
MELON?

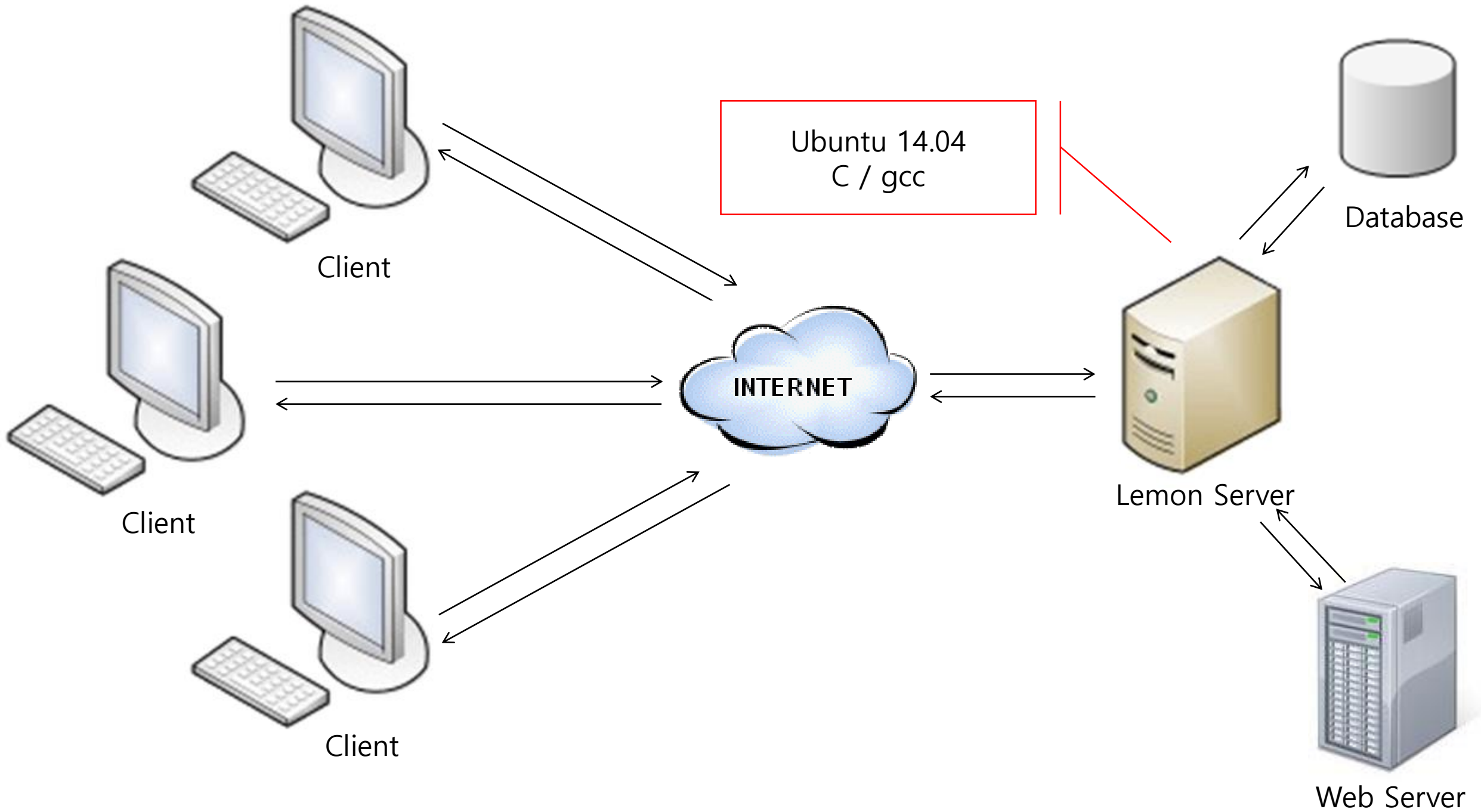
LEMON!

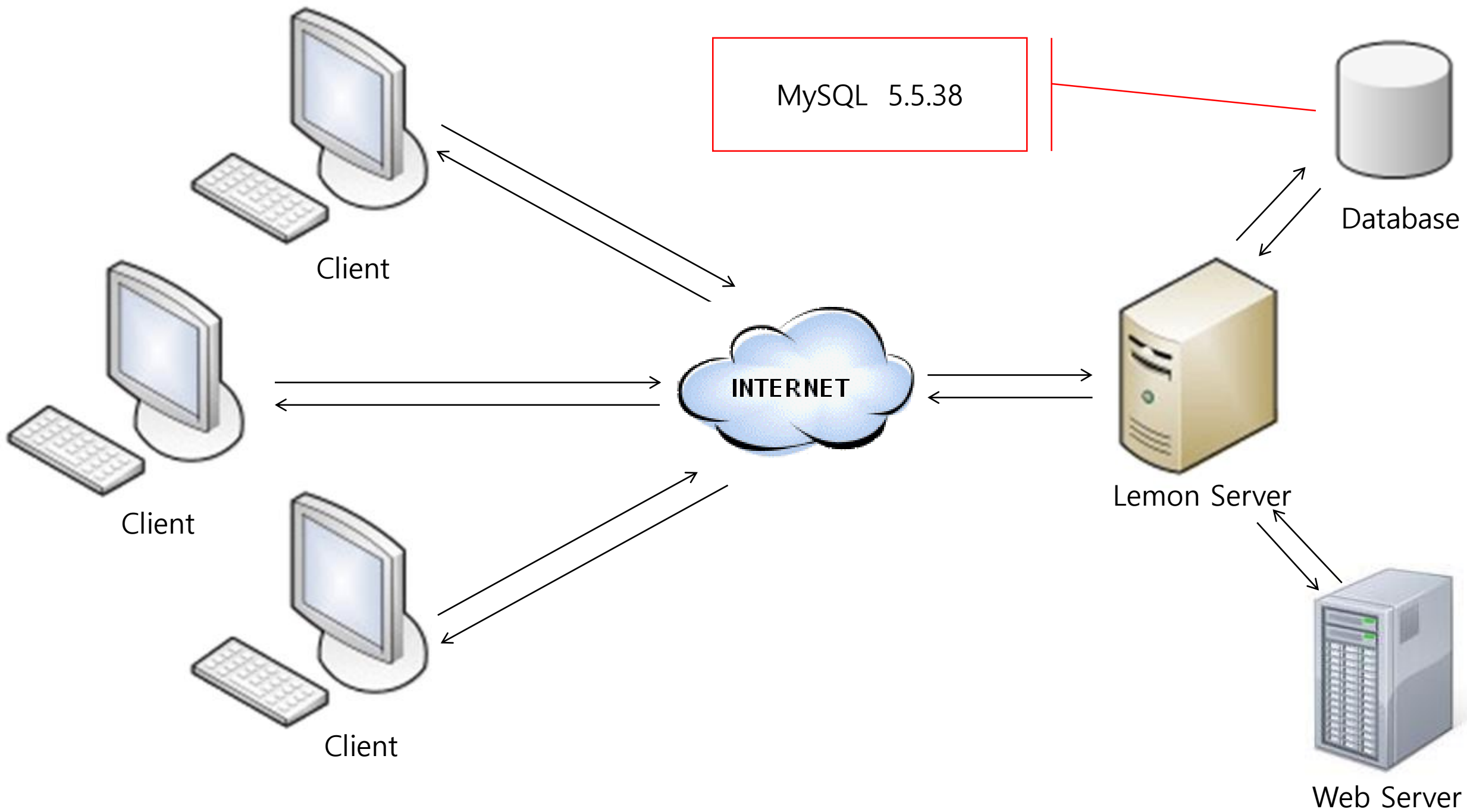
1

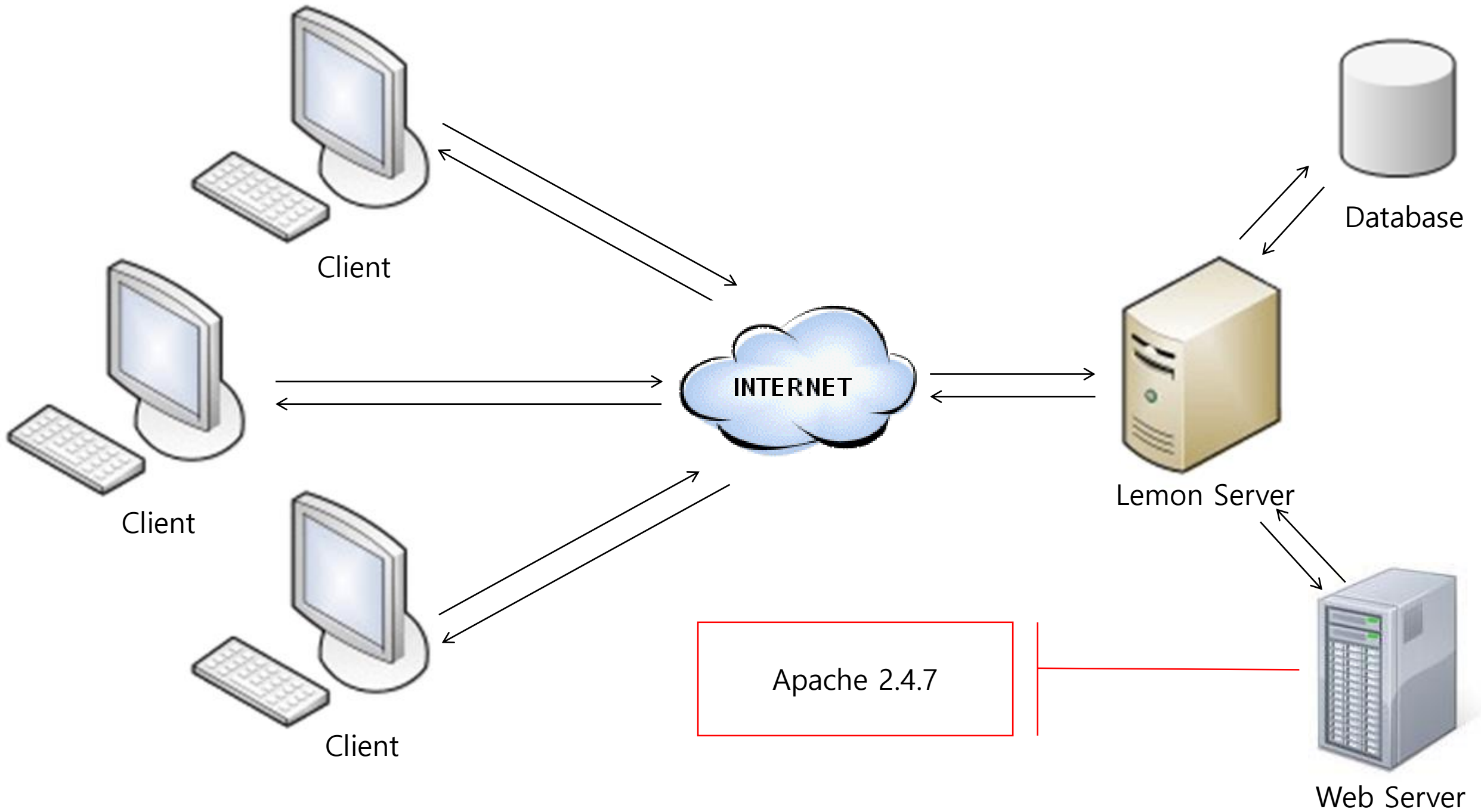
구조도

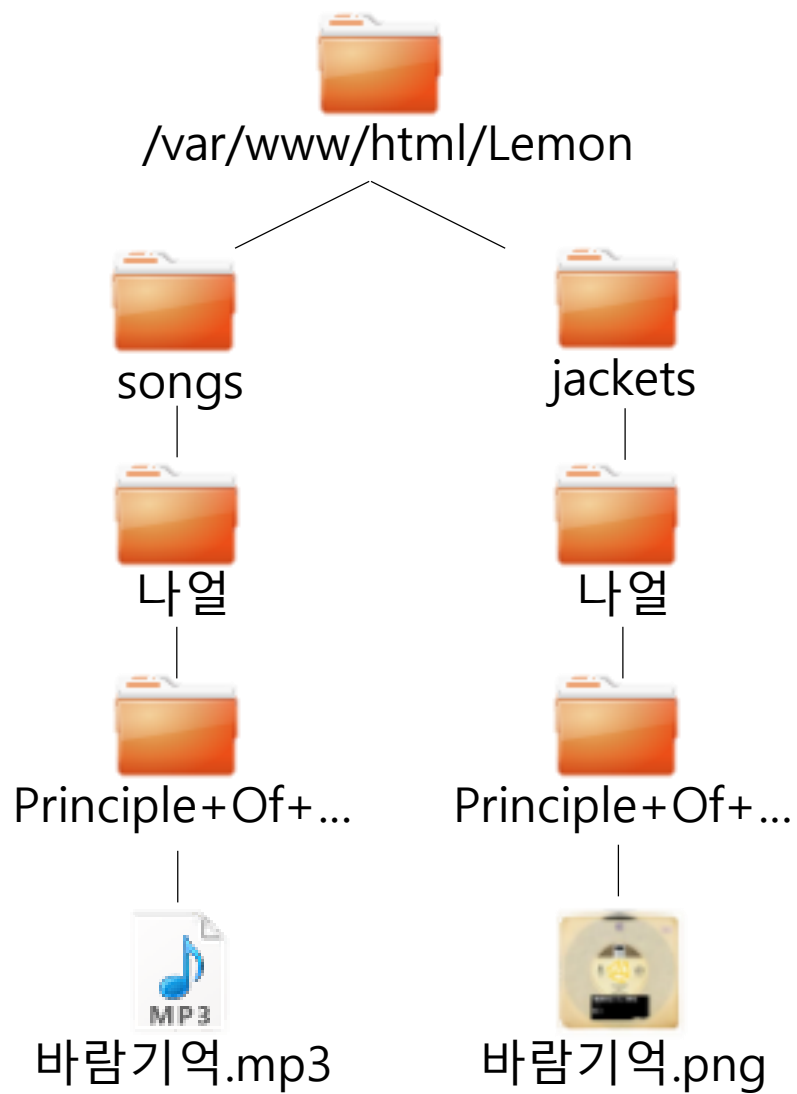




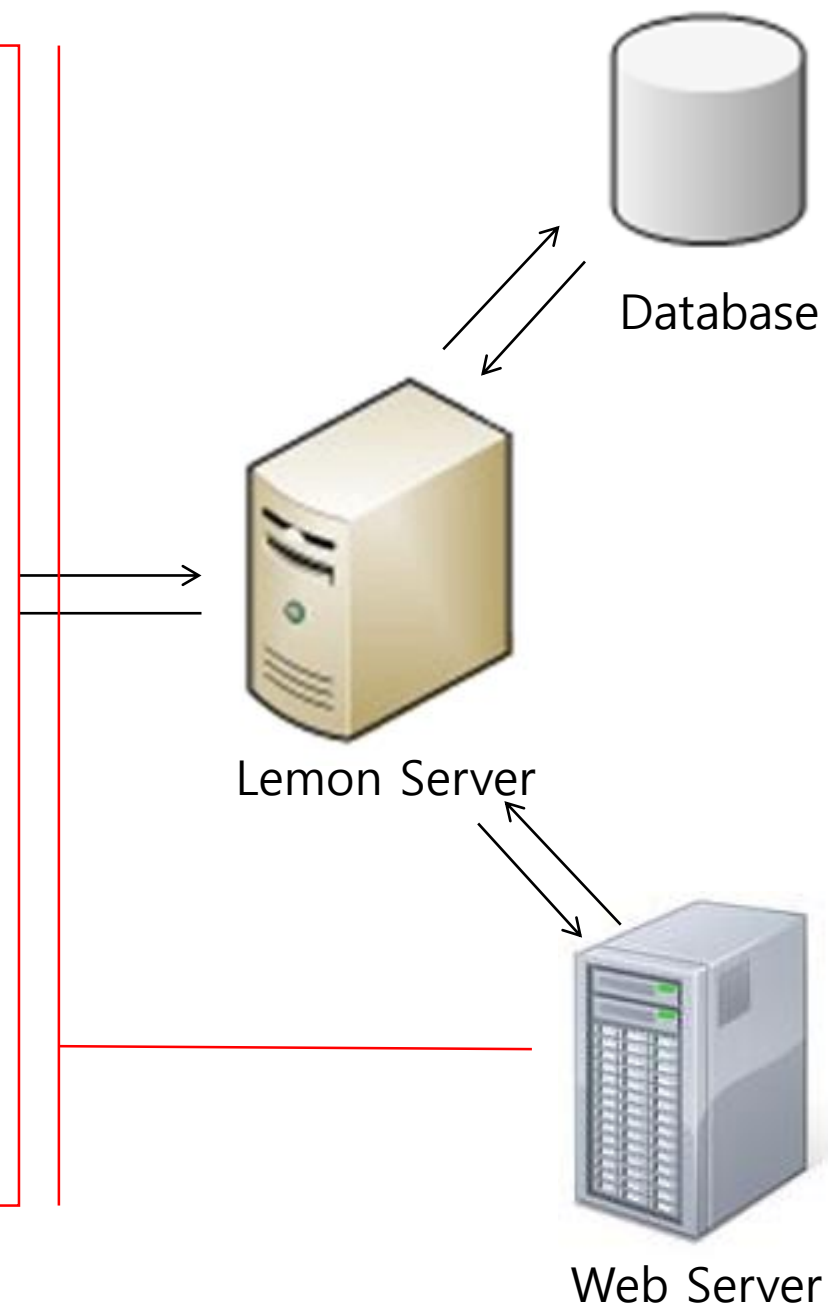


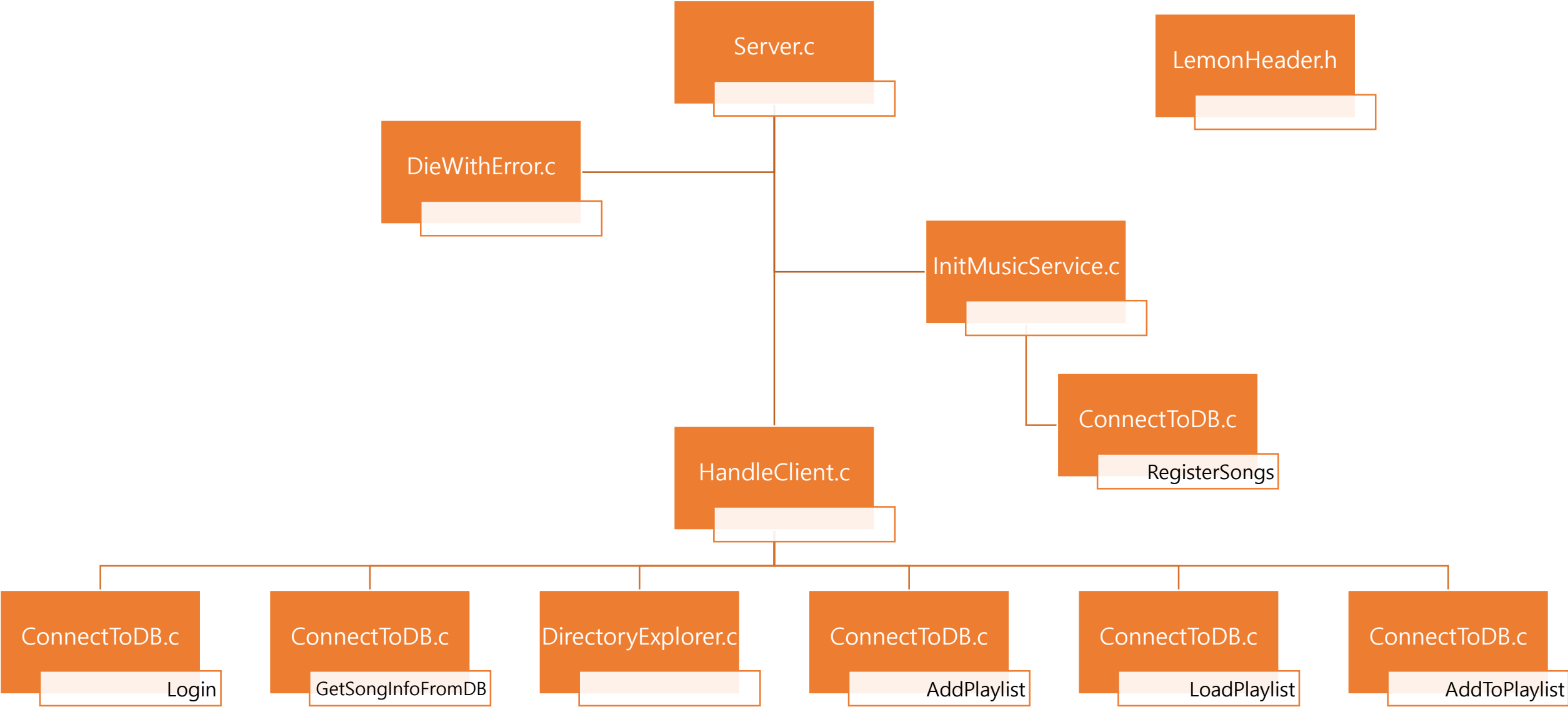


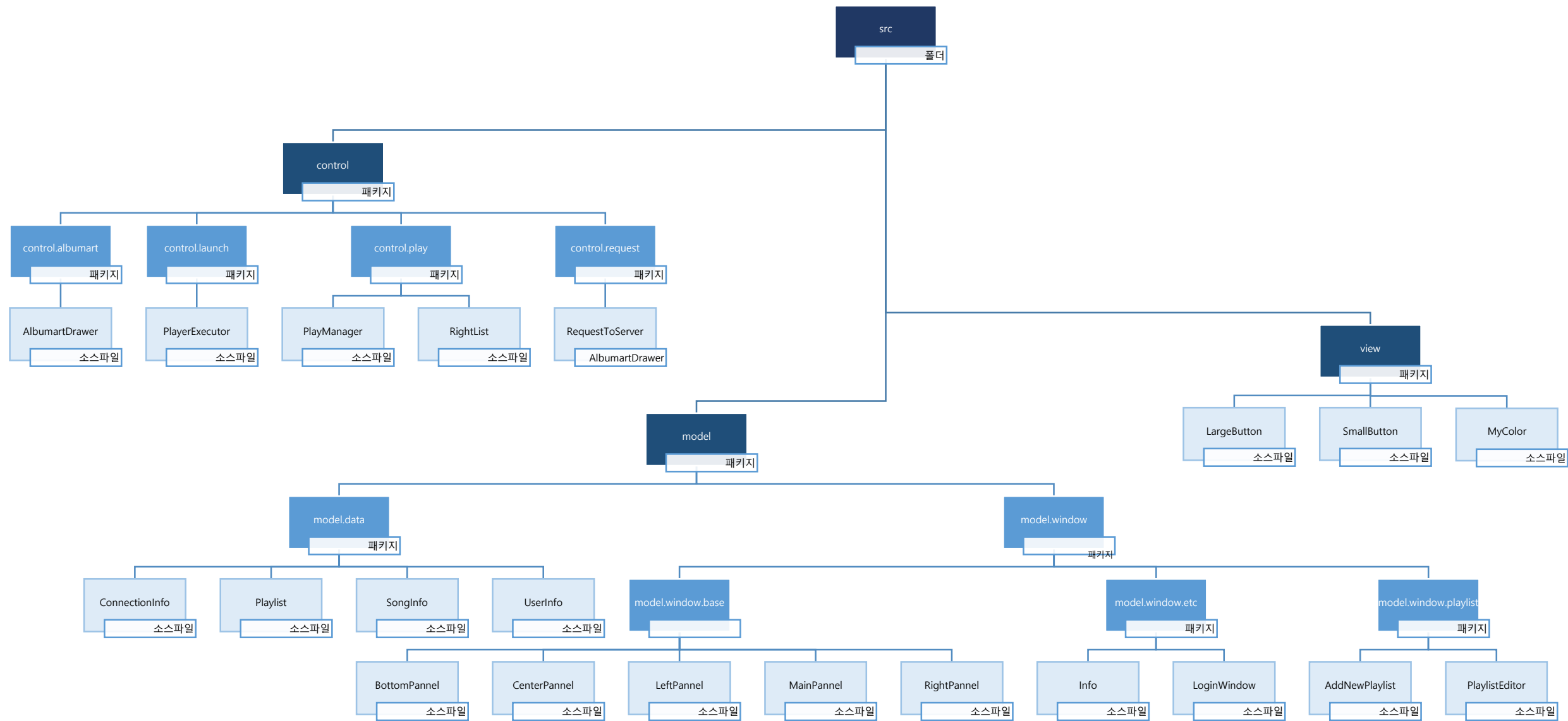




Client



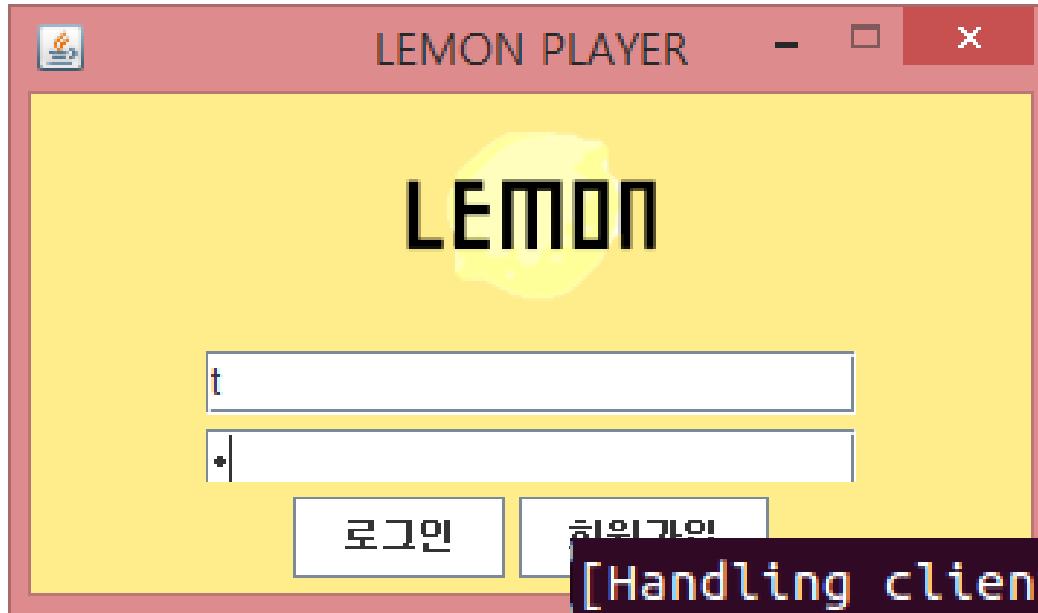




2

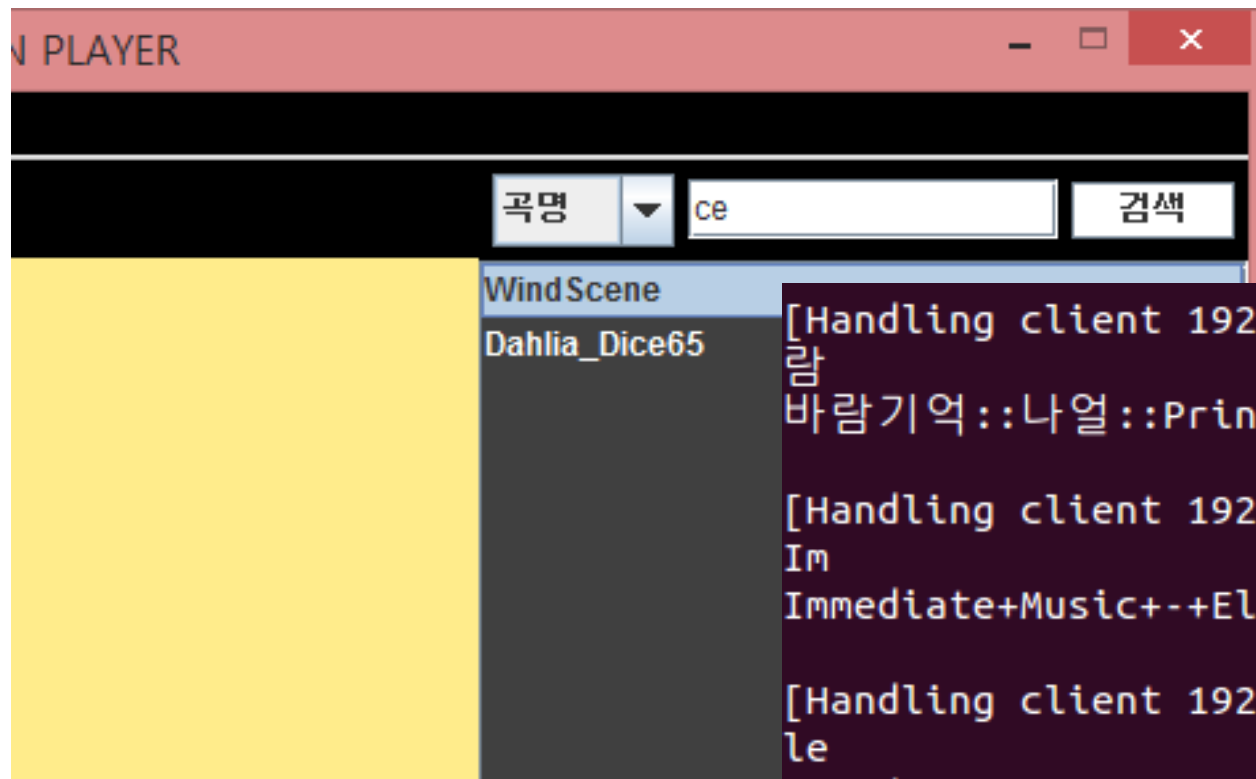
구현사항

클라이언트 : 로그인



```
[Handling client 192.168.222.1]  
login success! : id t, pw t, name noNamed
```

클라이언트 : 검색



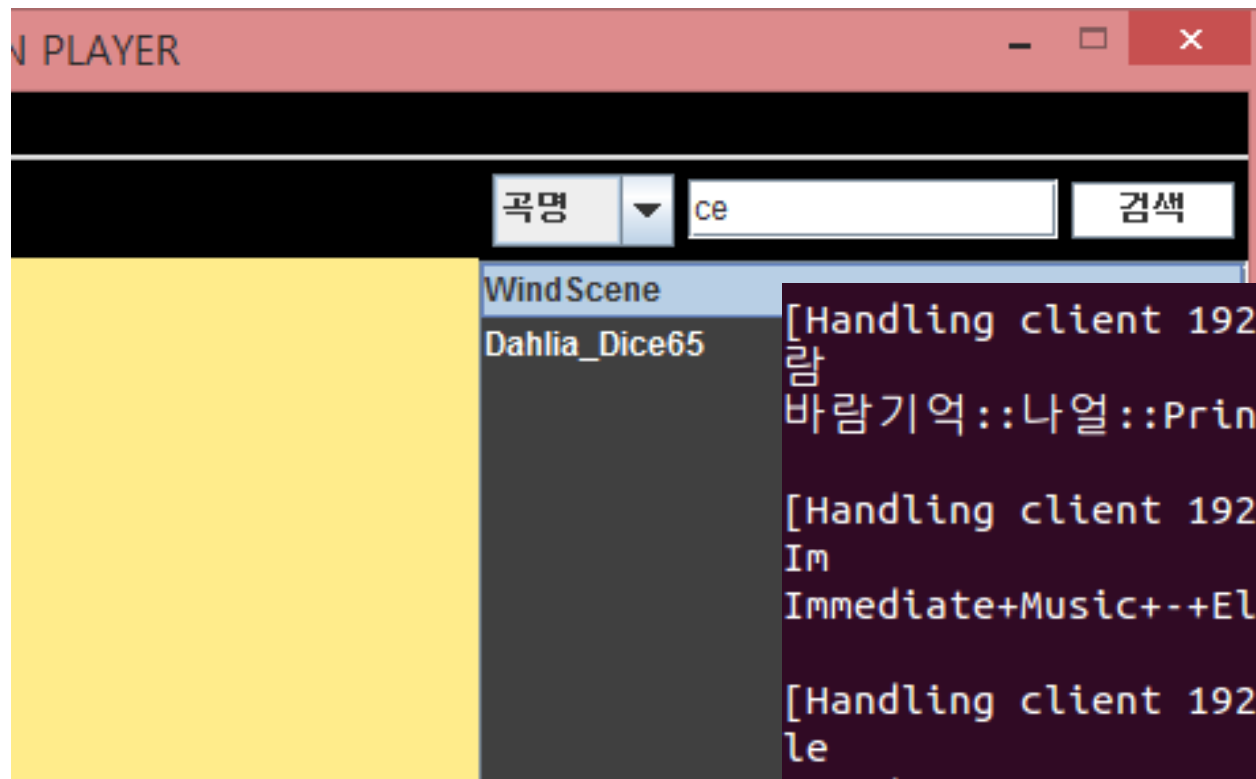
```
[Handling client 192.168.222.1]
람
바람기억::나얼::Principle+Of+My+Soul

[Handling client 192.168.222.1]
Im
Immediate+Music+-+Electric+Romeo+(Choir)::unknown::unknown

[Handling client 192.168.222.1]
le
Immediate+Music+-+Electric+Romeo+(Choir)::unknown::unknown

[Handling client 192.168.222.1]
ce
WindScene::unknown::unknown
Dahlia_Dice65::unknown::unknown
```

클라이언트 : 검색



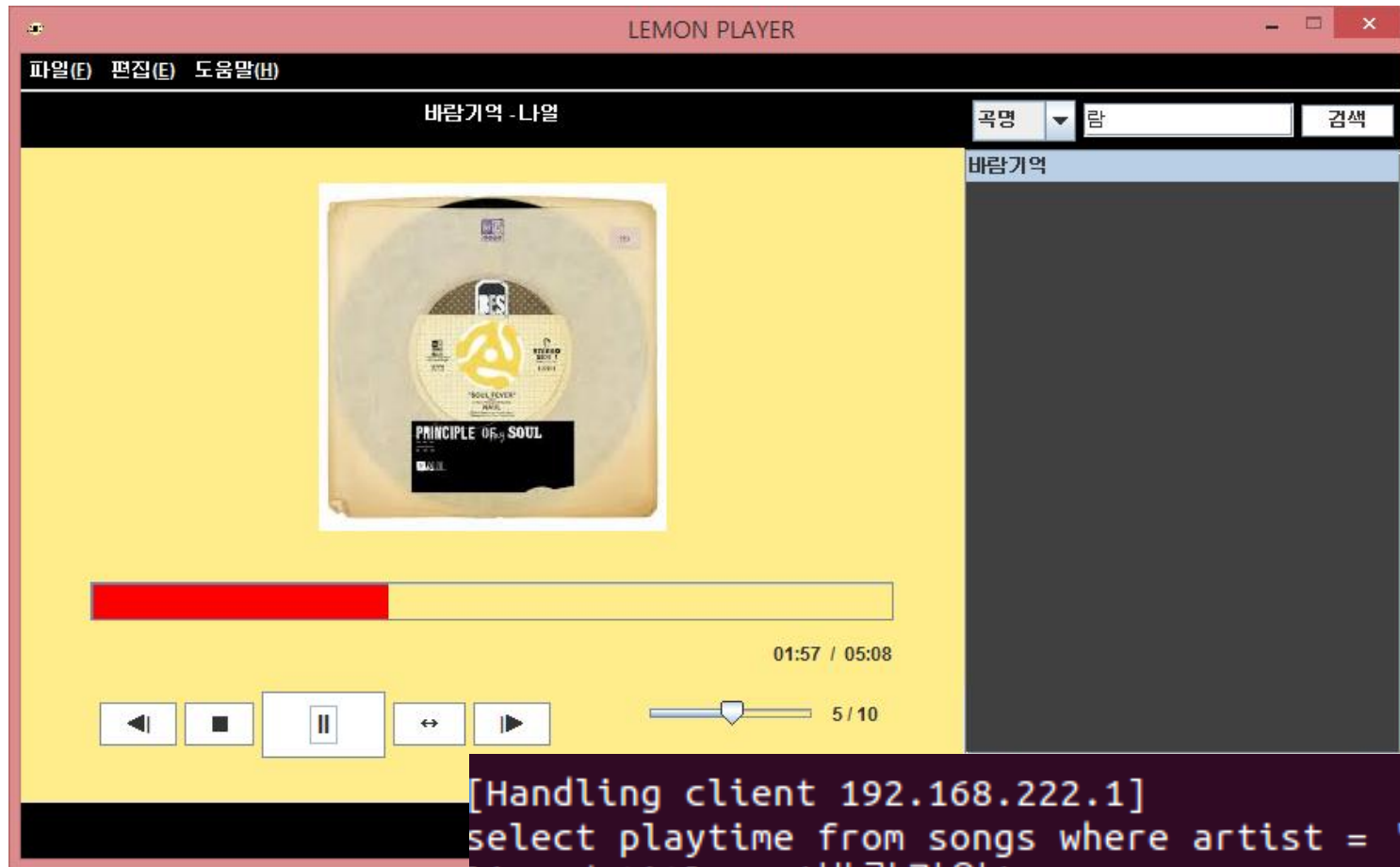
```
[Handling client 192.168.222.1]
람
바람기억::나얼::Principle+Of+My+Soul

[Handling client 192.168.222.1]
Im
Immediate+Music+-+Electric+Romeo+(Choir)::unknown::unknown

[Handling client 192.168.222.1]
le
Immediate+Music+-+Electric+Romeo+(Choir)::unknown::unknown

[Handling client 192.168.222.1]
ce
WindScene::unknown::unknown
Dahlia_Dice65::unknown::unknown
```


클라이언트 : 재생



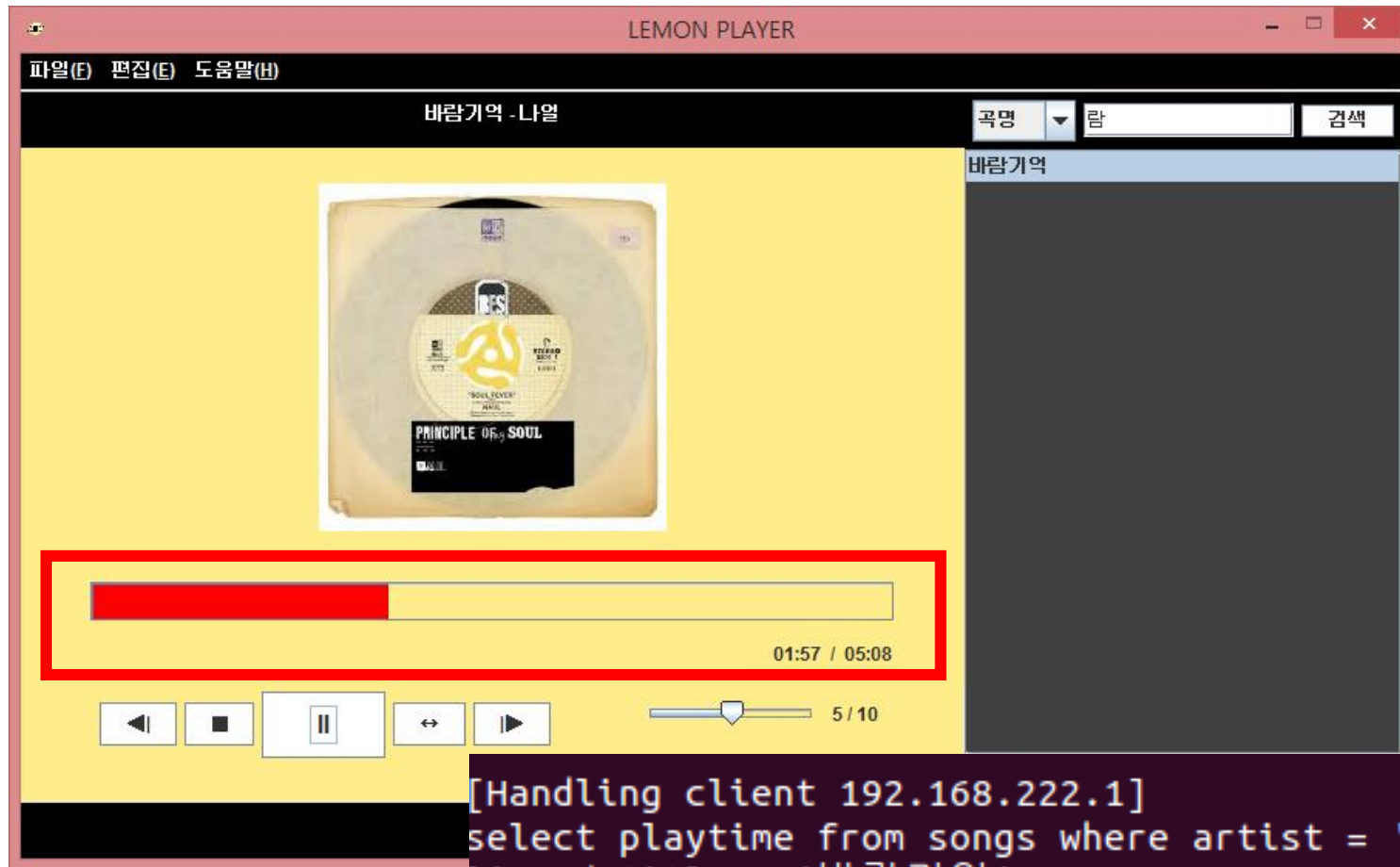
클라이언트 : 재생



클라이언트 : 재생



클라이언트 : 재생



서버 : 곡 업데이트

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~/Desktop/Lemon
Lemon server has launched! :)
1. Wait Mode
2. Edit Mode
> 2
> register
```

서버 : 곡 업데이트

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~/Desktop/Lemon
Lemon server has launched! :)
1. Wait Mode
2. Edit Mode
> 2
> register
/var/www/html/Lemon/songs/나얼/Principle+Of+My+Soul/바람기억.mp3 has played
insert into songs values('0', '바람기억', '나얼', 'Principle+Of+My+Soul', '308558');
/var/www/html/Lemon/songs/나얼/Principle+Of+My+Soul is well registered on 'songs' table

/var/www/html/Lemon/songs/타블로(Tablo)/열꽃/나쁘다.mp3 has played
insert into songs values('1', '나쁘다', '타블로(Tablo)', '열꽃', '241946');
/var/www/html/Lemon/songs/타블로(Tablo)/열꽃 is well registered on 'songs' table

/var/www/html/Lemon/songs/unknown/unknown/WindScene.mp3 has played
insert into songs values('2', 'WindScene', 'unknown', 'unknown', '219888');
/var/www/html/Lemon/songs/unknown/unknown is well registered on 'songs' table

/var/www/html/Lemon/songs/unknown/unknown/Immediate+Music+-+Electric+Romeo+(Choir).mp3 has played
insert into songs values('3', 'Immediate+Music+-+Electric+Romeo+(Choir)', 'unknown', 'unknown', '149106');
/var/www/html/Lemon/songs/unknown/unknown is well registered on 'songs' table
```

서버 : 곡 업데이트

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~/Desktop/Lemon
Lemon server has launched! :)
1. Wait Mode
2. Edit Mode
> 2
> register
/var/www/html/Lemon/songs/나얼/Principle+Of+My+Soul/바람기억.mp3 has played
insert into songs values('0', '바람기억', '나얼', 'Principle+Of+My+Soul', '308558');
/var/www/html/Lemon/songs/나얼/Principle+Of+My+Soul is well registered on 'songs' table

/var/www/html/Lemon/songs/타블로(Tablo)/열꽃/나쁘다.mp3 has played
insert into songs values('1', '나쁘다', '타블로(Tablo)', '열꽃', '241946');
/var/www/html/Lemon/songs/타블로(Tablo)/열꽃 is well registered on 'songs' table

/var/www/html/Lemon/songs/unknown/unknown/WindScene.mp3 has played
insert into songs values('2', 'WindScene', 'unknown', 'unknown', '219888');
/var/www/html/Lemon/songs/unknown/unknown is well registered on 'songs' table

/var/www/html/Lemon/songs/unknown/unknown/Immediate+Music+-+Electric+Romeo+(Choir).mp3 has played
insert into songs values('3', 'Immediate+Music+-+Electric+Romeo+(Choir)', 'unknown', 'unknown', '149106');
/var/www/html/Lemon/songs/unknown/unknown is well registered on 'songs' table
```

서버 : 곡 업데이트

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> delete from songs;  
Query OK, 5 rows affected (0.03 sec)  
  
mysql> select * from songs;  
Empty set (0.00 sec)
```


서버 : 곡 업데이트

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~  
affiliates. Other names may be trademarks of their respective  
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> delete from songs;  
Query OK, 5 rows affected (0.03 sec)  
  
mysql> select * from songs;  
Empty set (0.00 sec)  
  
mysql> select * from songs;  
+-----+-----+-----+-----+  
| code | title                                | artist          | album              | playtime |  
+-----+-----+-----+-----+  
| 0 | 바람기억                          | 나얼            | Principle+Of+My+Soul | 308558 |  
| 1 | 나쁘다                            | 타블로(Tablo)  | 열꽃               | 241946 |  
| 2 | WindScene                        | unknown        | unknown            | 219888 |  
| 3 | Immediate+Music+-+Electric+Romeo+(Choir) | unknown        | unknown            | 149106 |  
| 4 | Dahlia_Dice65                    | unknown        | unknown            | 247510 |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)  
  
mysql>
```

서버 : 다중 스레드 처리

```
pyeongpyeong@pyeongpyeong-virtual-machine: ~/Desktop/Lemon
{
    printf("1. Wait Mode\n2. Edit Mode\n> ");
    switch(getchar() - 48)
    {
        case 1:
            for(;;)
            {
                //printf("%s\n", servAddr.sin_addr.s_addr);
                /* Set the size of the in-out parameter */
                clntLen = sizeof(clntAddr);

                /* Wait for a client to connect */
                if ((clntSock = accept(servSock, (struct sockaddr *) &clntAddr, &clntLen)) < 0)
                    DieWithError("accept() failed");

                /* clntSock is connected to a client! */
                printf("\n[Handling client %s]\n", inet_ntoa(clntAddr.sin_addr));

                rc = pthread_create(&th, NULL, &HandleClient, (void *) &clntSock);
            }
    }
}

-- VISUAL --                               68,70-98    77%
```

3

시연



개발 정보



제작자 : 전세진

2014년

네트워크프로그래밍 개인프로젝트

한 학기동안 수고 많으셨습니다!

확인