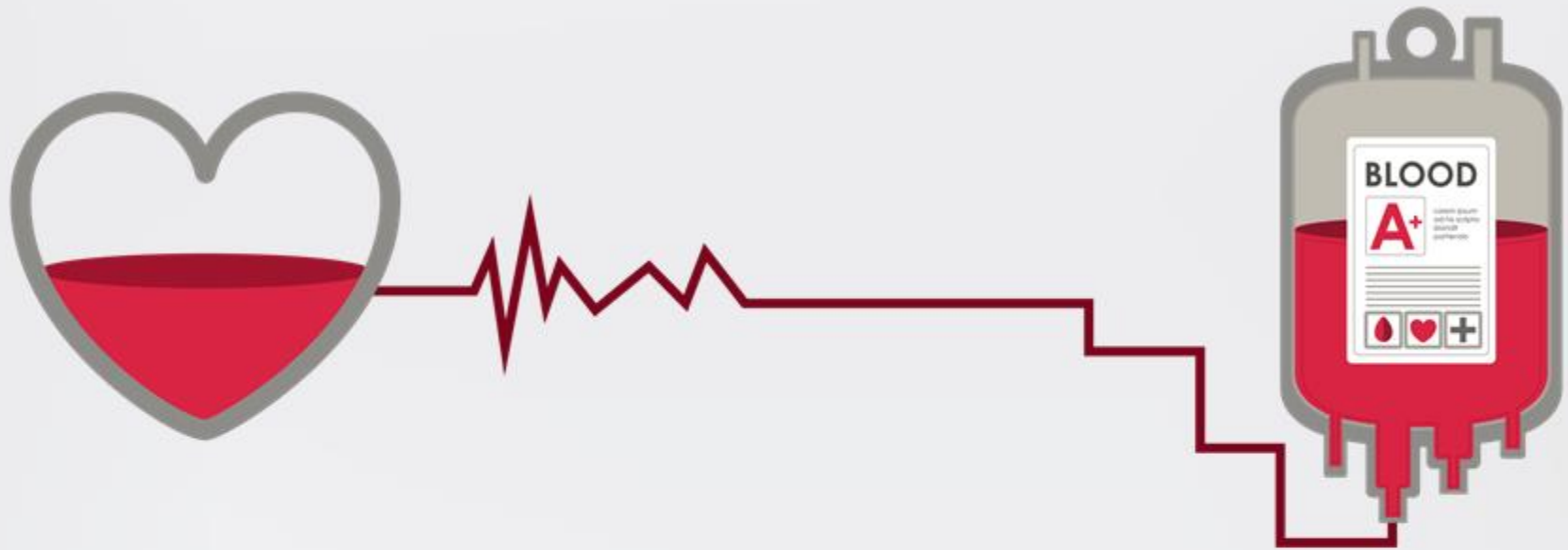


Card

Blood Bank

Management



CBMS & BIMS



삼성 SDS 3기 현상원 DB Project



1

팀 소개

2

프로젝트 소개

3

업무 디자인 / 업무 설계

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프로그래밍

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질의 응답

프로젝트 소개

선정 배경 소개

기존의 혈액종양분류 체계와 혈액종류분류시스템(혈액종류분류)으로
혈액종류의 검사결과(ABVD)를 출력하여 할인 받지 못한다는
혈액종류의 처리, 사용, 양도의 관리 편리화를 구현화 하였습니다.
이러한 문제 해결 및 개선을 해보고자 이 업무를 선정하였습니다.

프로젝트 소개

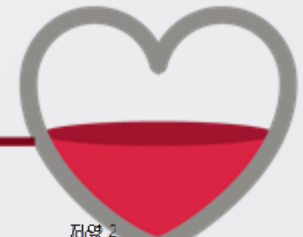


업무 일정표

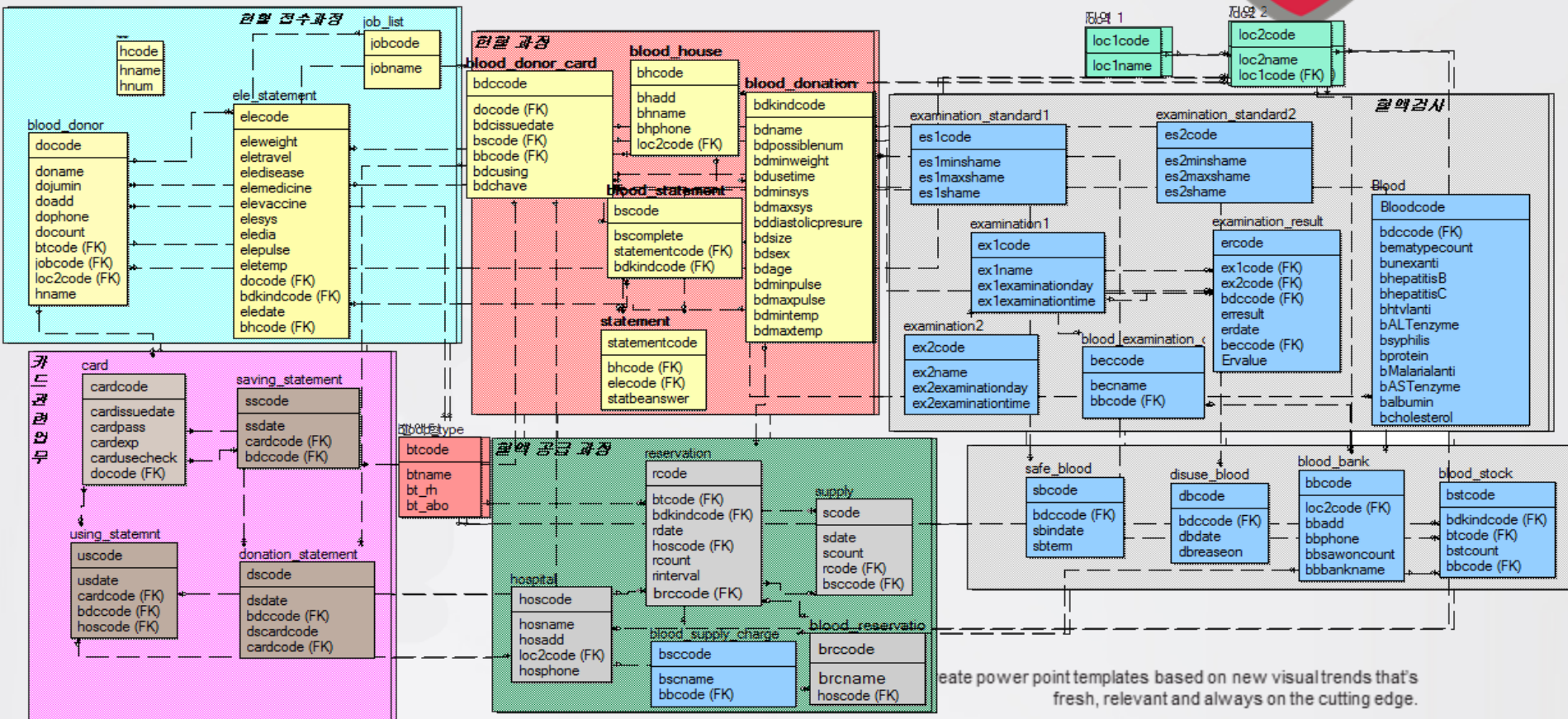
| 구분 \ 일 | 10월 | | | | | | | | | | | | | | | | 11월 | | | | | | | | | |
|--------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----|---|---|---|---|---|---|---|----|----|
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 주제선정 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 업무분석 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 설계 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 데이터입력 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 프로그래밍 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 중간점검 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 보고서작성 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PPT작성 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 최종점검 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 발표 | | | | | | | | | | | | | | | | | | | | | | | | | | |

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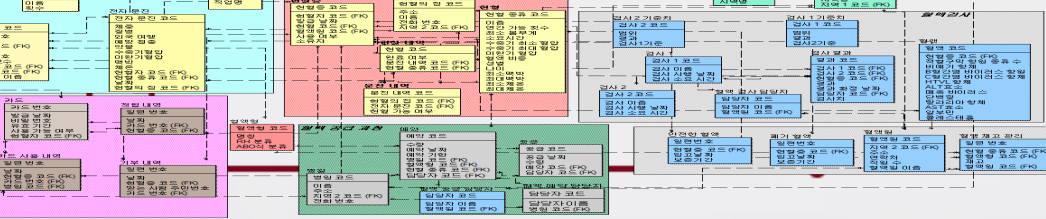
프로젝트 소개



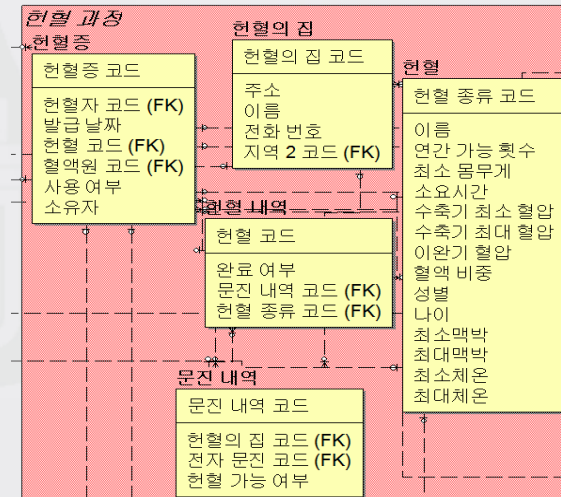
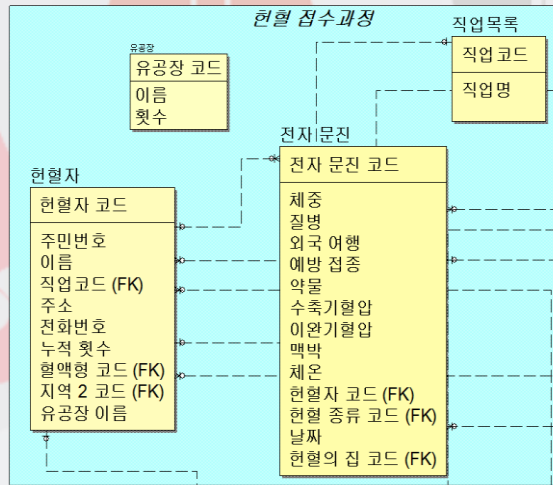
D/B 설계 Physical



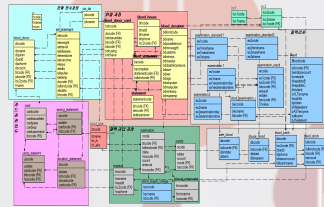
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헌혈의 집 헌혈 과정



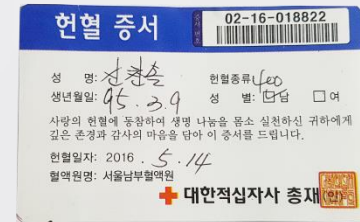
업무 담당자 박 홍빈



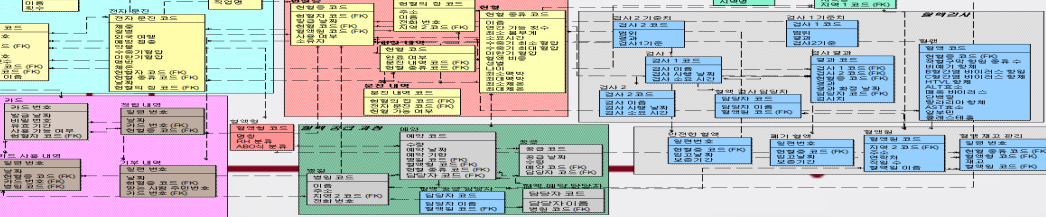
전자 문진



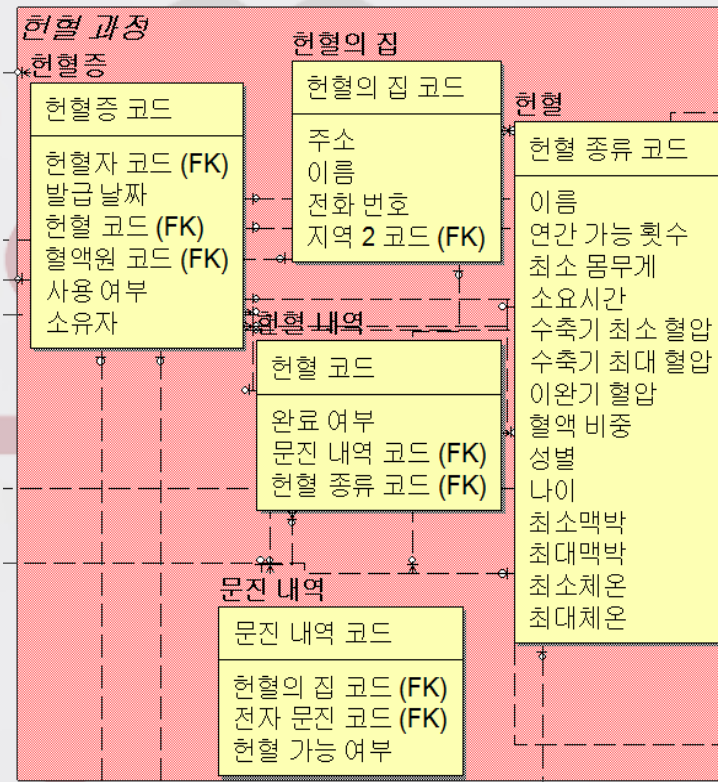
헌혈



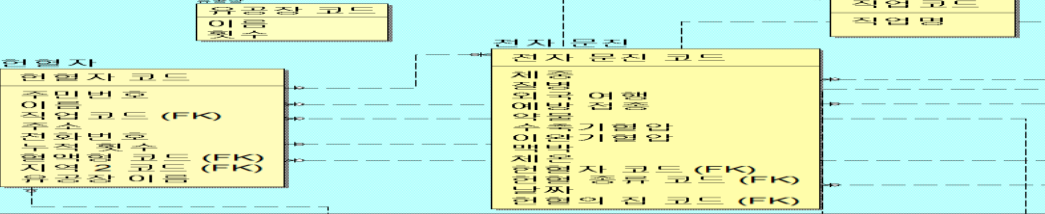
헌혈증 발급



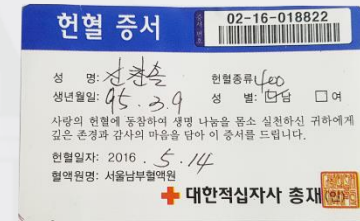
카드 관리 업무



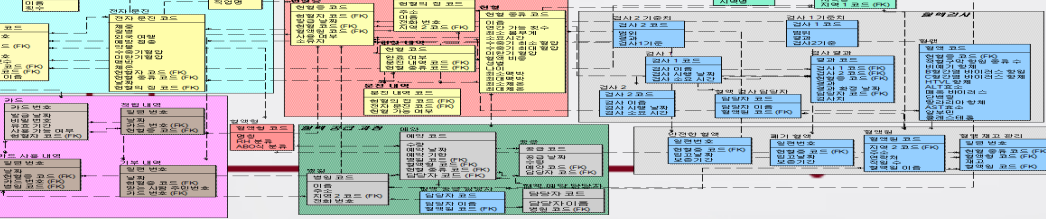
업무 담당자 이 수범



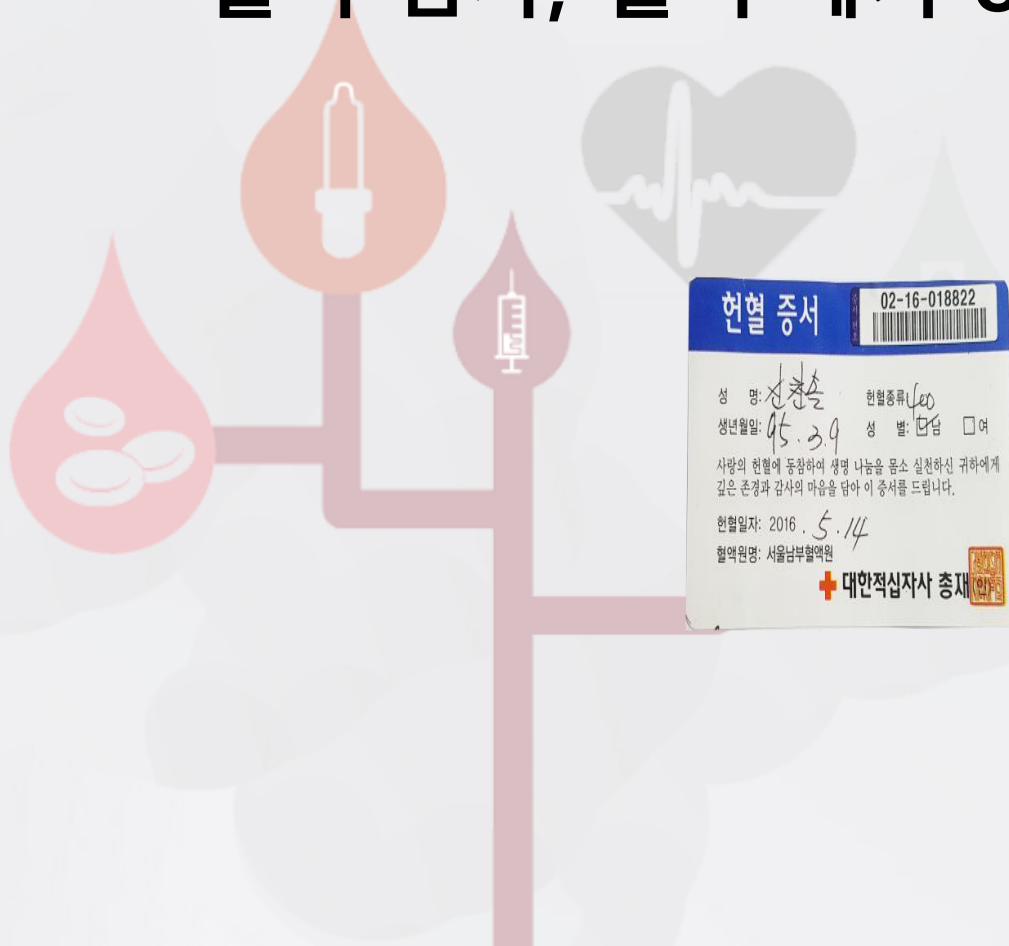
헌혈 카드 발급



헌혈 내역 적립
기부, 사용



혈액 검사, 혈액 폐기 or 보관 업무

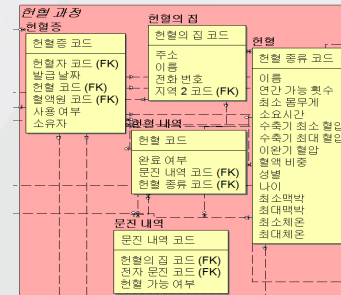


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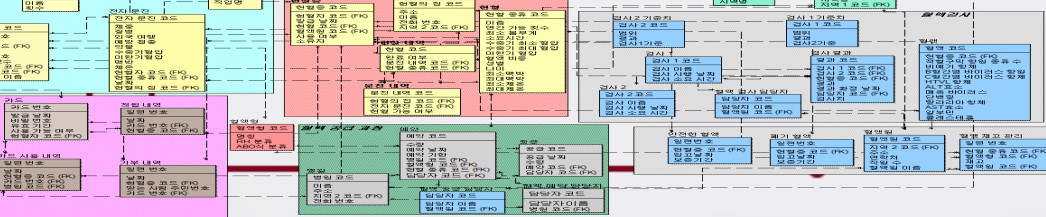
업무 담당자 정 동수, 현 상원



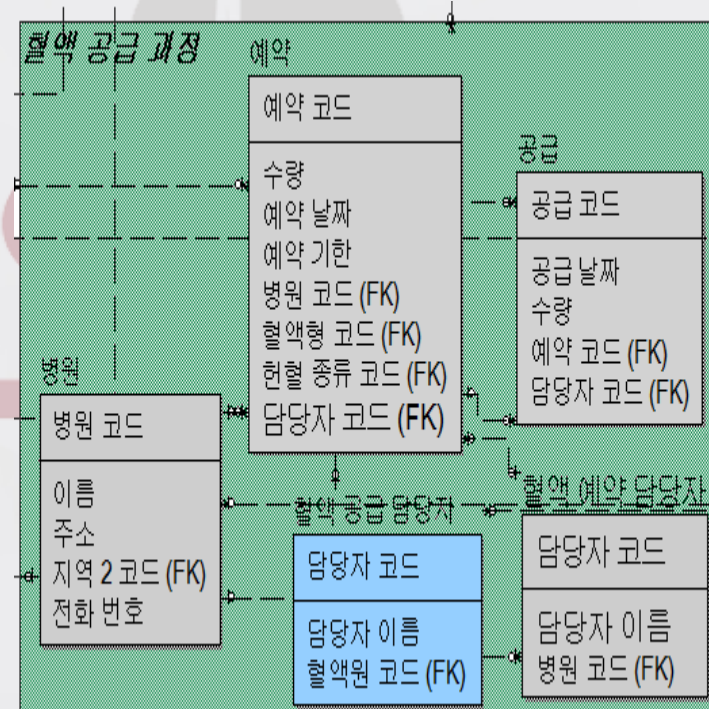
혈액 검사



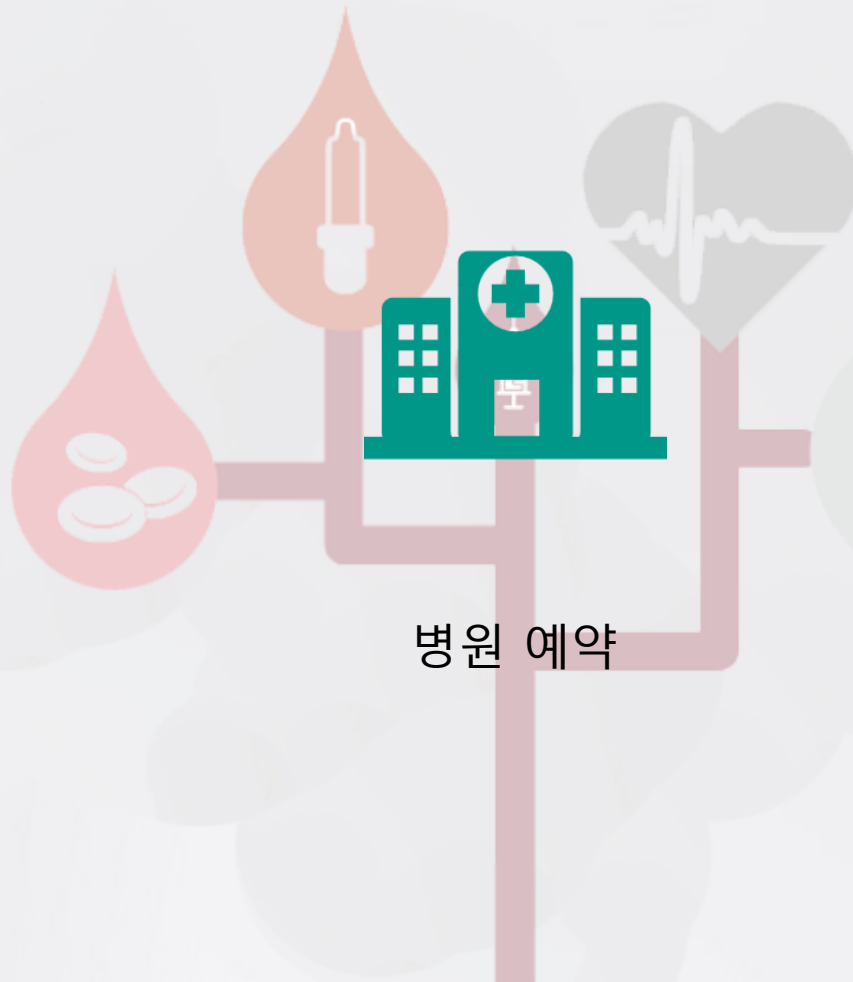
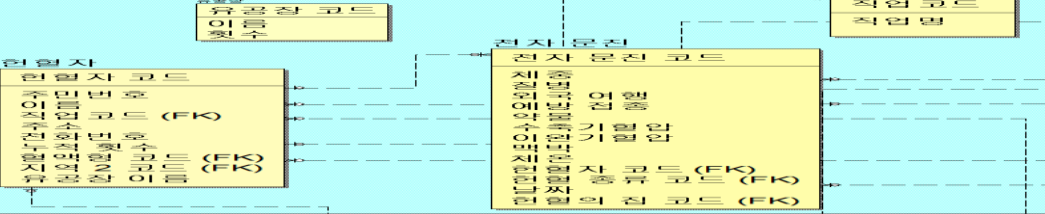
혈액 분류, 보관



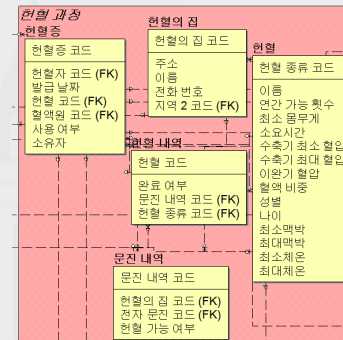
병원 예약, 공급 업무



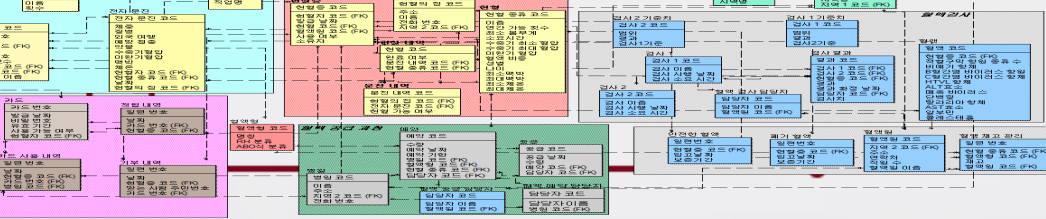
업무 담당자 고영철



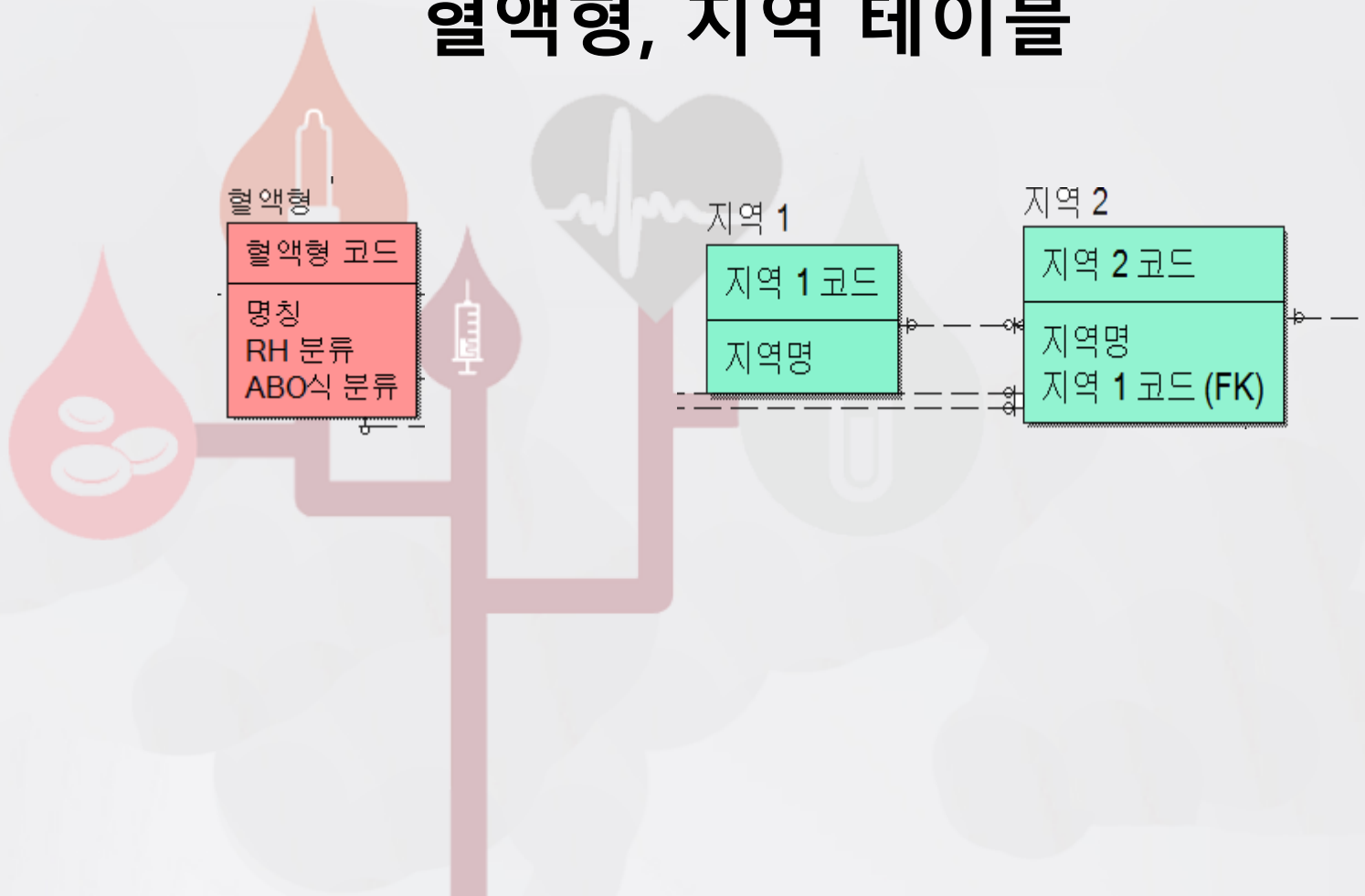
병원 예약



보관 재고 확인
및 출하



혈액형, 지역 테이블



A red line graph with a jagged, fluctuating path. The line starts on the left, rises and falls several times, then trends downwards before rising again. It ends on the right, where it connects to a heart shape. The heart is outlined in grey and filled with a solid red color. The background is a light grey gradient.

```
select distinct lo1.loc1name, bb.bbbankname
from blood_stock bs,blood_bank bb,loc2 lo2,loc1 lo1
where bs.bbcode = bb.bbcode and
bb.loc2code = lo2.loc2code and lo2.loc1code = lo1.loc1code
and bs.bstcount < (select avg(bstcount) from blood_stock);
```

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프로그래밍

SQL

직업별 헌혈횟수 출력

```
with t1 as (select d.docode dc,j.jobname jn,b.bdccode bc
from blood_donor d,job_list j,blood_donor_card b
where d.jobcode = j.jobcode(+) and d.docode(+) = b.docode)
select jn "직업 이름",count(*) "횟수" from t1 group by jn;
```

| 직업 이름 | 횟수 |
|-------|-------|
| 자영업 | 606 |
| 고교생 | 5041 |
| 대학생 | 6901 |
| 공무원 | 1568 |
| 군인 | 2891 |
| 가사 | 5033 |
| 종교직 | 450 |
| 기타 | 826 |
| 회사원 | 19187 |

PLSQL

프로그래밍

헌혈업무 시연 영상

www.Bandicam.co.kr

SQL>

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PLSQL

프로그래밍

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SQL>
SQL>
SQL>
SQL>

PLSQL

프로그래밍

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```
SQL> set linesize 200
```

```
SQL> select * from blood where bdccode >= 42500 and bdccode <= 42503;
```

| BLOODCODE | BEMATYPECOUNT | BUNEXANTI | BHEPATITIS | BHEPATITIS | BHTVLANTI | BSYPHILIS | BALTENZYME | BPROTEIN | BMALARIAL |
|-----------|---------------|-----------|------------|------------|-----------|-----------|------------|----------|-----------|
| 42500 | 500 | 음성 | 음성 | 음성 | 음성 | 음성 | 25 | 6.3 | 음성 |
| 42501 | 499 | 음성 | 양성 | 음성 | 음성 | 음성 | 21 | 6 | 음성 |
| 42502 | 496 | 음성 | 음성 | 음성 | 음성 | 음성 | 13 | 5.9 | 음성 |
| 42503 | 500 | 음성 | 음성 | 음성 | 음성 | 음성 | 1 | 6.8 | 음성 |

```
SQL>
```

PLSQL

프로그래밍

혈액 예약, 공급 시연 영상

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL>

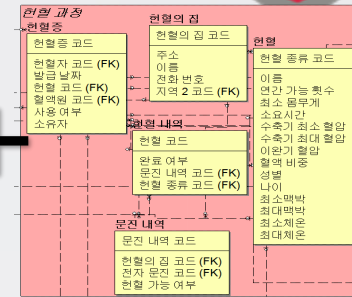
업무 확장



+

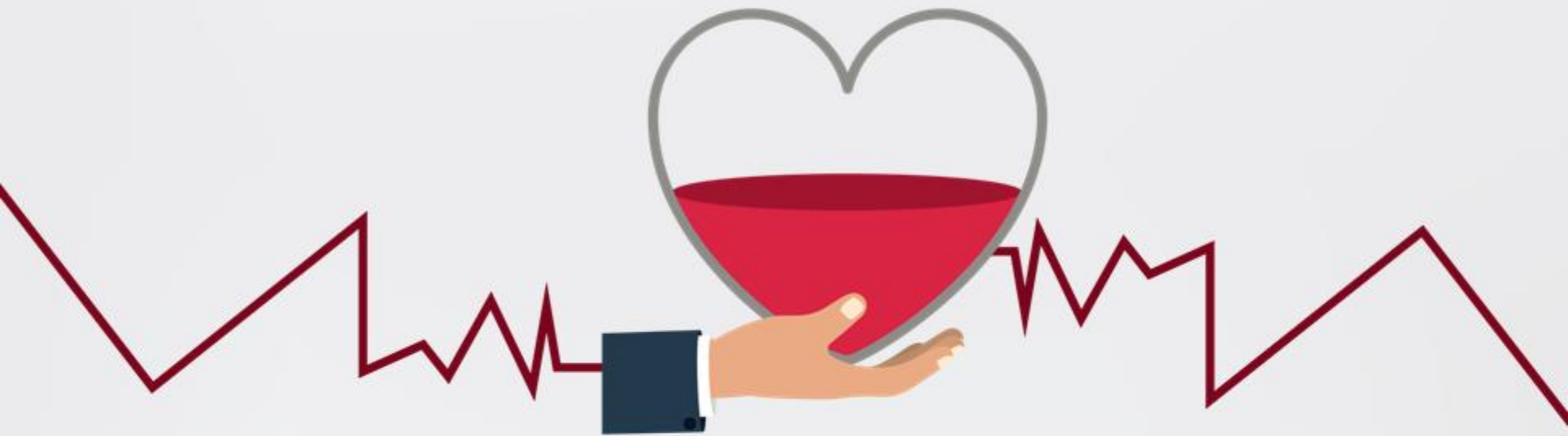


+



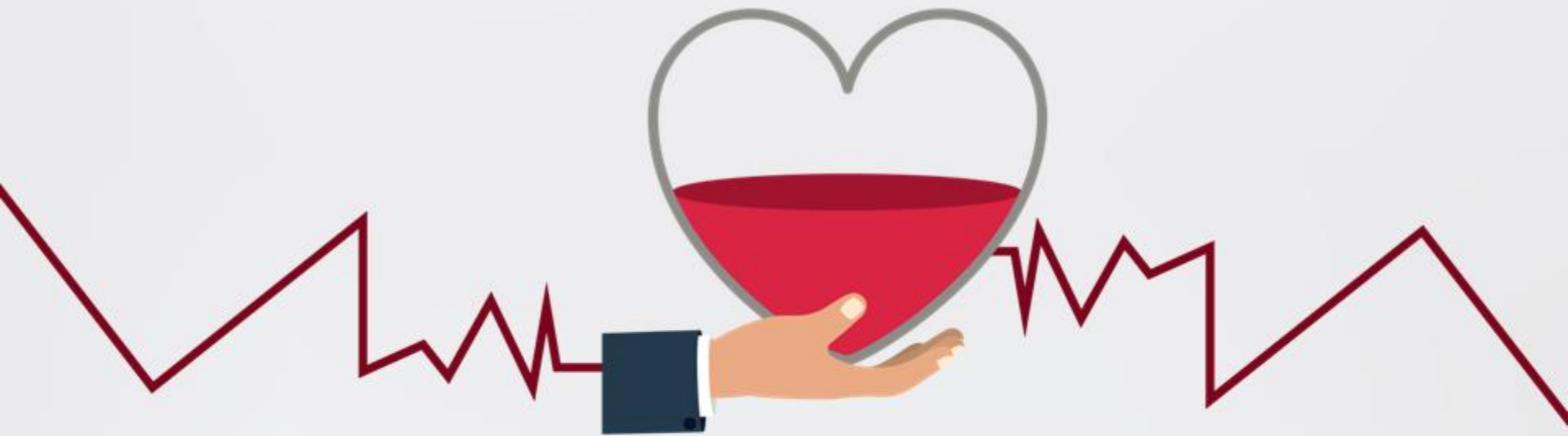
카드 + 혈액 검사 + 보관

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Q&A

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Thank You

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