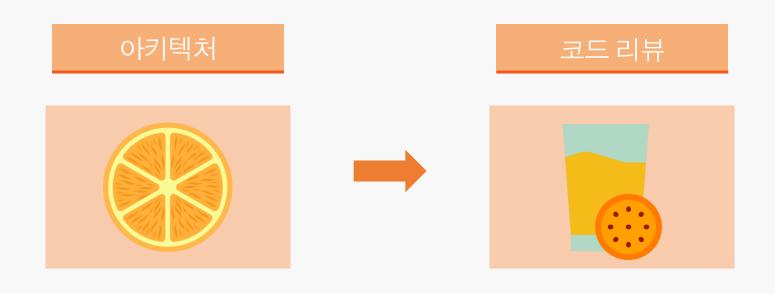
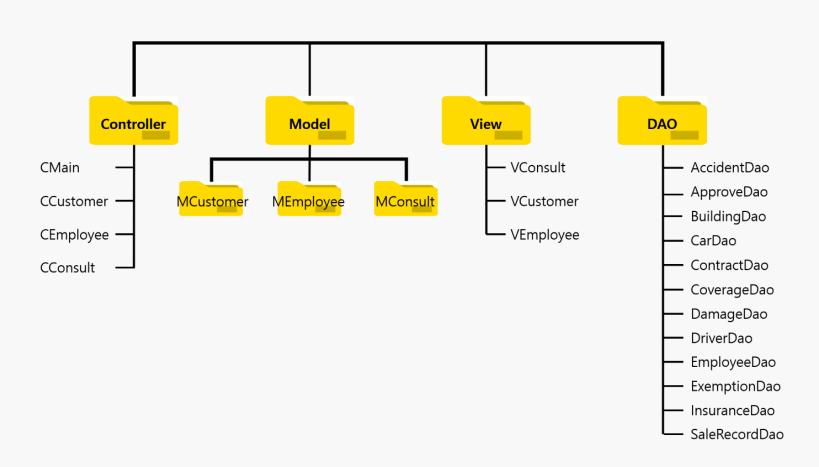
분산프로그래밍 2 발표

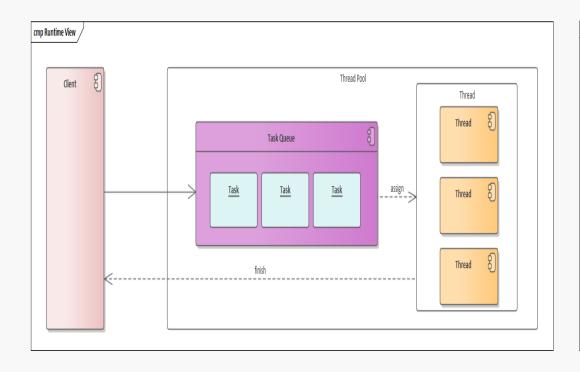
귤비팀 김규리 이은비

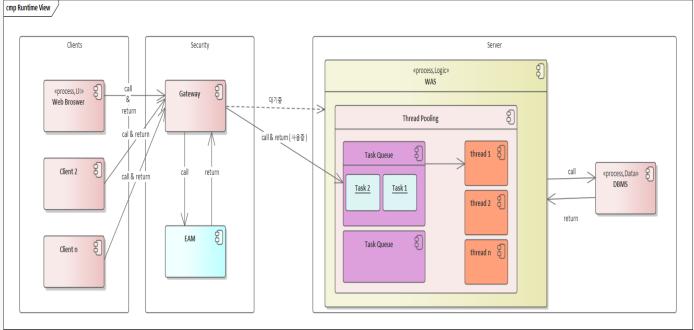
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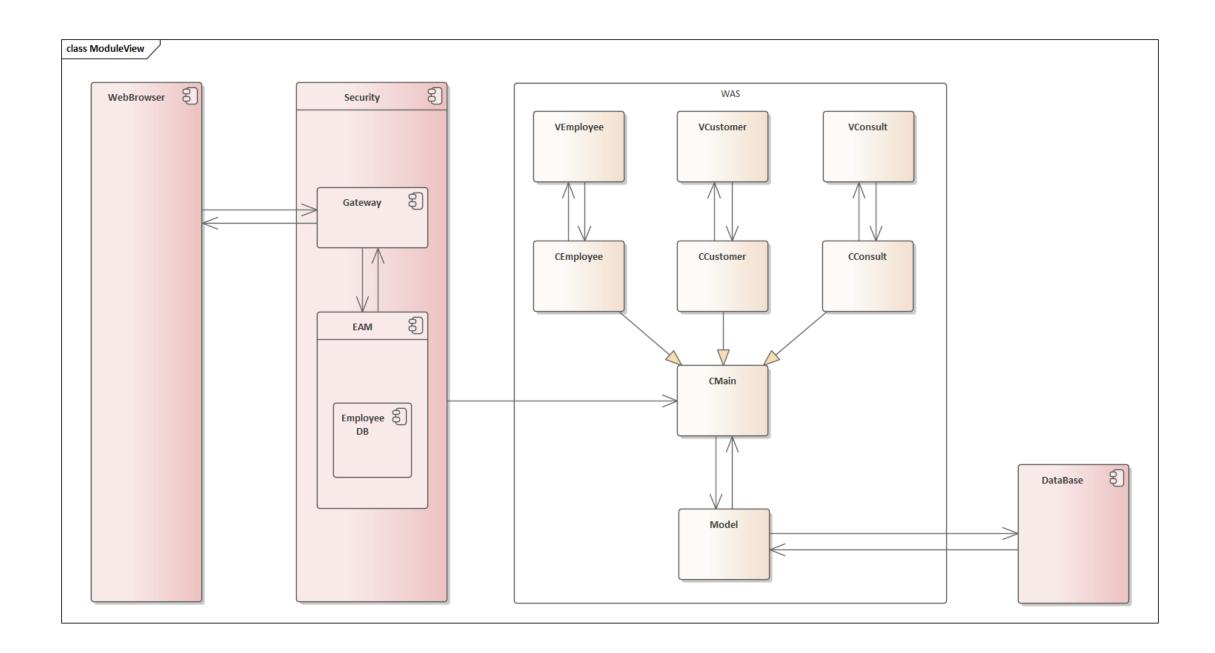


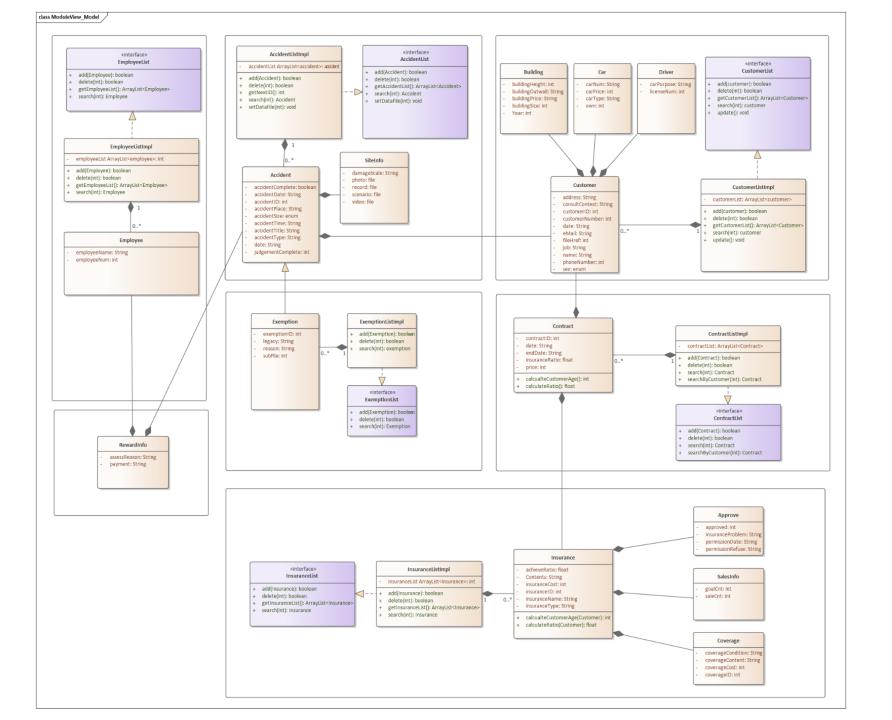
아키텍처_중간 레포트



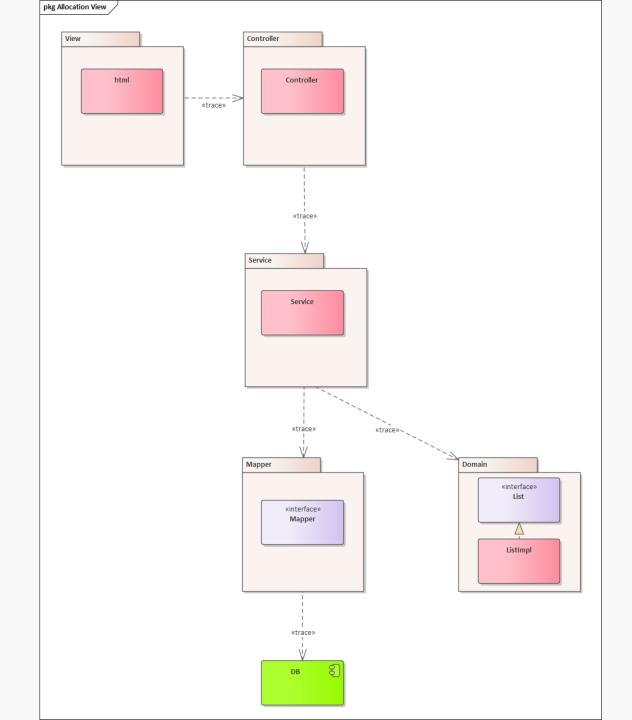


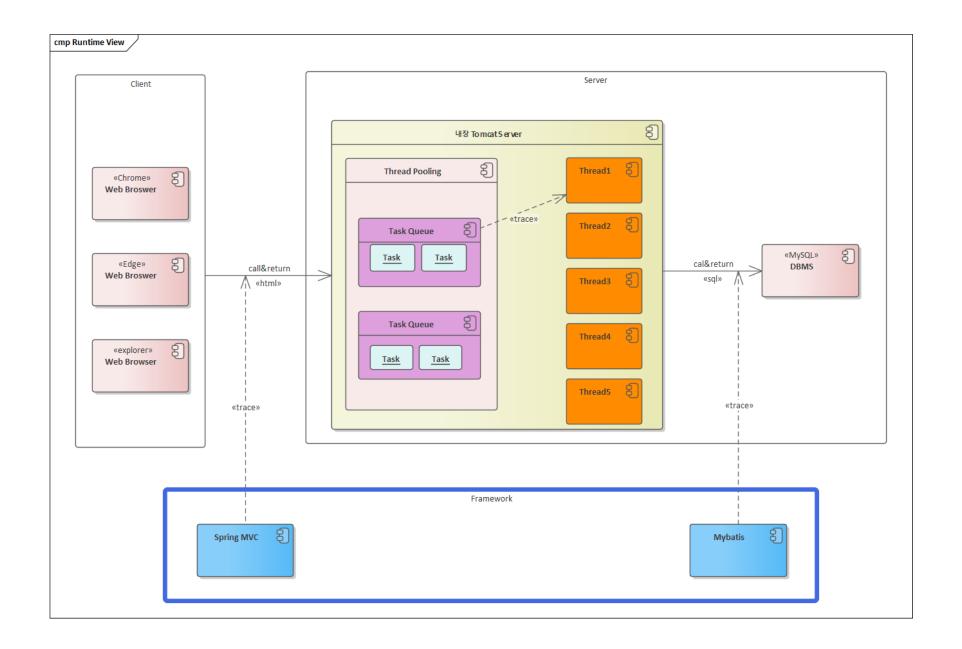


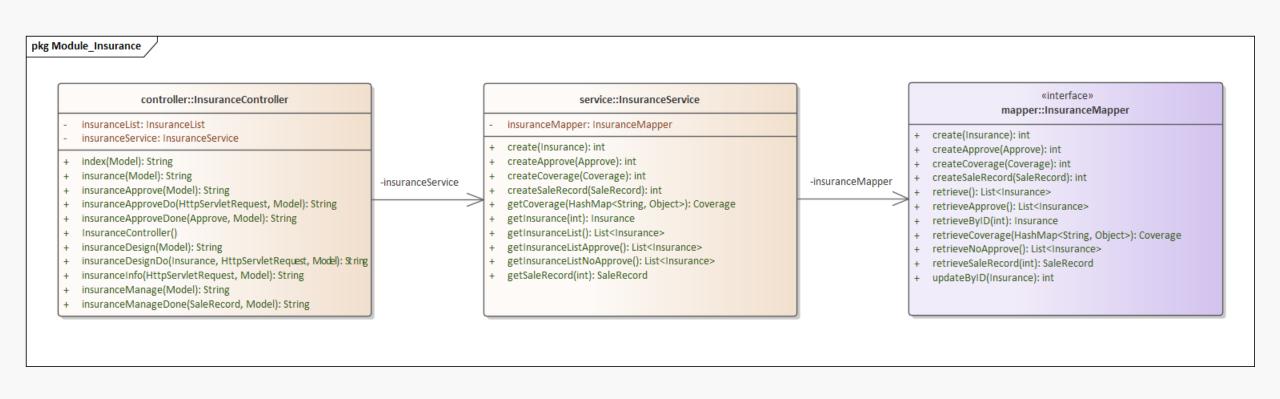


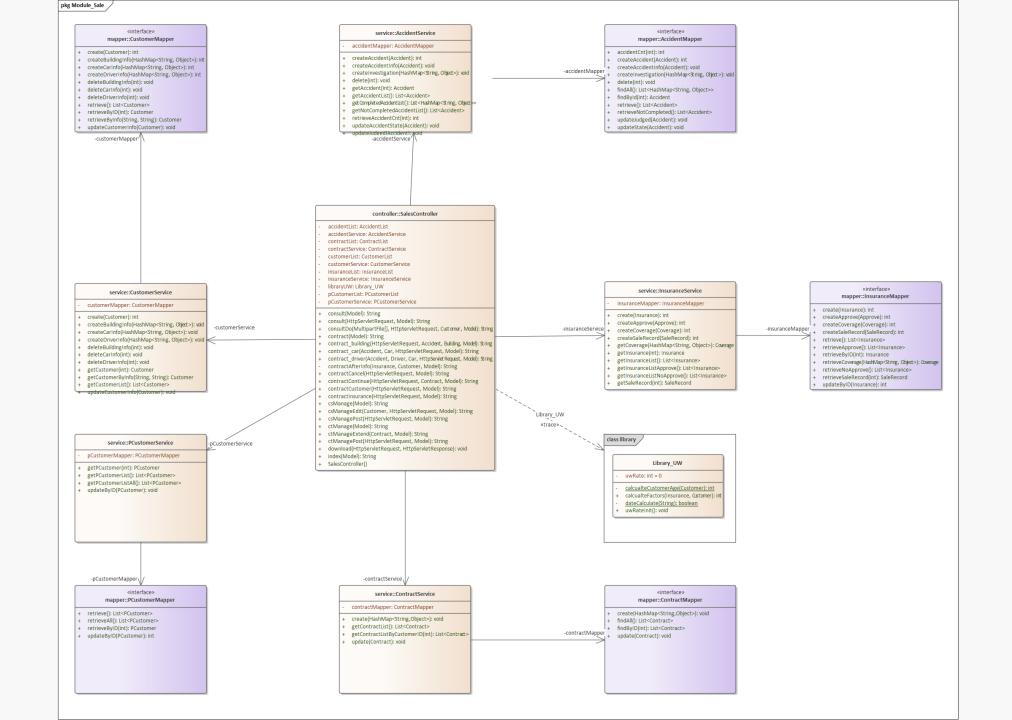


아키텍처_구현

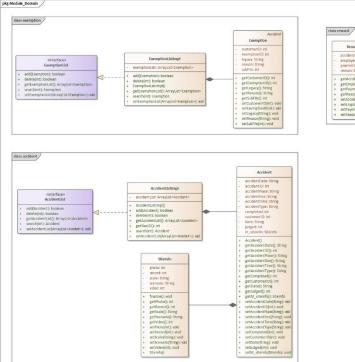








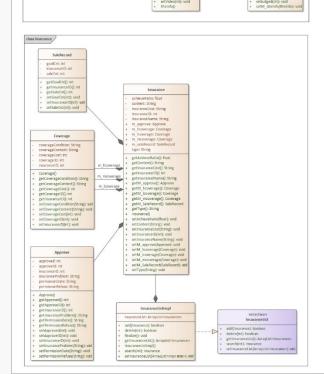
pkg Module_Reward «interface» «interface» service::ContractService service::RewardService mapper::RewardInfoMapper mapper::ContractMapper thread::TaskExecutorConfig contractMapper: ContractMapper executor: ThreadPoolTaskExecutor -rewardInfoMapper -contractMapper create(HashMap<String,Object>): void + create(RewardInfo): void logger: Logger = LoggerFactory.g... executor(): ThreadPoolTaskExecutor + create(HashMap<String,Object>): void findAll(): List<Contract> rewardinfoMapper: RewardinfoMapper «trace» getContractList(): List<Contract> findByID(int): List<Contract> + createRewardInfo(RewardInfo): void + getContractListByCustomerID(int): List<Contract> update(Contract): void executeThreads(): void + update(Contract): void -rewardService -contractService controller::RewardController accidentList: AccidentList accidentService: AccidentService contractList: ContractList contractService: ContractService service::AccidentService «interface» service::CustomerService «interface» customerList: CustomerList mapper::CustomerMapper mapper::AccidentMapper customerService: CustomerService customerMapper: CustomerMapper accidentMapper: AccidentMapper exemptionList: ExemptionList + accidentCnt(int): int + create(Customer): int exemptionService: ExemptionService create(Customer): int createAccident(Accident): int + createBuildingInfo(HashMap<String, Object>): int + createAccident(Accident): int createBuildingInfo(HashMap<String, Object>): void logger: Logger = LoggerFactory.g... createAccidentInfo(Accident): void + createCarInfo(HashMap<String, Object>): int + createAccidentInfo(Accident): void createCarInfo(HashMap<String, Object>): void rewardService: RewardService createInvestigation(HashMap<String, Objects Is void -accidentMapper -customerMapper -customerService -accidentService + createInvestigation(HashMap<String, Object>): void + createDriverInfo(HashMap<String, Object>): int createDriverInfo(HashMap<String, Object>): void delete(int): void accept(HttpServletRequest, Model, Accident): String + delete(int): void + deleteBuildingInfo(int): void deleteBuildingInfo(int): void getAccident(int): Accident acceptInfo(Model): String + deleteCarInfo(int): void findAll(): List<HashMap<String, Object>> deleteCarInfo(int): void getAccidentList(): List<Accident> accident(HttpServletRequest, SiteInfo, Model): String + findById(int): Accident + deleteDriverInfo(int): void getCompletedAccidentList(): List<HashMap<String, Object>> deleteDriverInfo(int): void consult(Model): String + retrieve(): List<Accident> + retrieve(): List<Customer> getCustomer(int): Customer getNotCompletedAccidentList(): List<Accident> + retrieveByID(int): Customer + consultCustomer(HttpServletRequest, Model): String + retrieveNotCompleted(): List<Accident> retrieveAccidentCnt(int): int getCustomerByInfo(String, String): Customer + retrieveByInfo(String, String): Customer + damage(Model): String + updateJudged(Accident): void getCustomerList(): List<Customer> updateAccidentState(Accident): void + damage(HttpServletRequest, Model): String + updateCustomerInfo(Customer): void updateState(Accident): void updateCustomerInfo(Customer): void updateJudged(Accident): void damageDo(RewardInfo): String exemption(HttpServletRequest, Exemption): String index(): String RewardController() showAccept(HttpServletRequest, Model): String showExemption(Model): String -exemptionService service::ExemptionService exemptionMapper: ExemptionMapper reate(Exemption): void delete(int): void getExemptionList(): List<Exemption> -exemptionMapper «interface» mapper::ExemptionMapper create(Exemption): void deleteByID(int): void findByID(int): Exemption retrieveList(): List<Exemption>

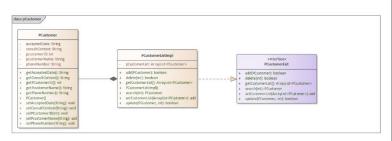


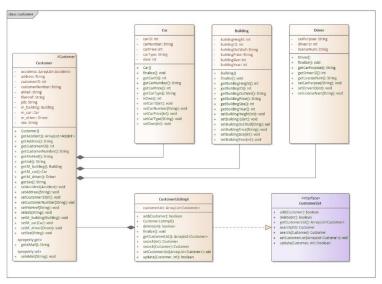
RewardInfo

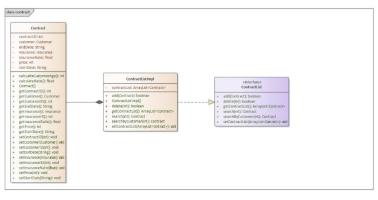
accidentID: int employeeID: int payment: String reason: String

- reasonstring
+ getAccidentiD(): int
+ getEmployeeiD(): int
+ getPayment(): String
+ getPasson(): String
+ setAccidentiD(nt): void
+ setEmployeeiD(int): void
+ setEmployeeiD(int): void
+ setNesson()String): void









```
@GetMapping(@v"insurance/approve")
public String insuranceApprove( Model model ){
   this.insuranceList.setInsuranceList( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
   model.addAttribute( attributeName: "insuranceNoApprove", this.insuranceList.getInsuranceList() );
@PostMapping(@v"insurance/approve")
public String insuranceApproveDo( HttpServletRequest hsRequest, Model model ){
    Insurance insurance = this.insuranceList.search( Integer.parseInt( hsRequest.getParameter( name: "insuranceID" ) ) );
   HashMap<String, Object> coverage = new HashMap<<>>();
   coverage.put("insuranceID", Integer.parseInt( hsRequest.getParameter( | name: "insuranceID" ) ));
   coverage.put("coverageCondition", "high");
   insurance.setM_hcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "middle" );
   insurance.setM_mcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "low" );
   insurance.setM_lcoverage( insuranceService.getCoverage( coverage ) );
   model.addAttribute( attributeName: "insurance", insurance );
@PostMapping(@v"insurance/approveDone")
public String insuranceApproveDone(Approve approve, Model model ){
   insuranceService.createApprove( approve );
   this.insuranceList.search( approve.getInsuranceID() ).setM_approve( approve );
   model.addAttribute( attributeName: "msg", attributeValue: "상품 인가가 완료되었습니다." );
   return index( model );
```

```
@GetMapping(@v"insurance/approve")
public String insuranceApprove( Model model ){
   this.insuranceList.setInsuranceList( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
   model.addAttribute( attributeName: "insuranceNoApprove", this.insuranceList.getInsuranceList() );
dPostMapping(©>"insurance/approve")
public String insuranceApproveDo( HttpServletRequest hsRequest, Model model ){
    Insurance insurance = this.insuranceList.search( Integer.parseInt( hsRequest.getParameter( name: "insuranceID" ) ) );
   HashMap<String, Object> coverage = new HashMap<<>>();
   coverage.put("insuranceID", Integer.parseInt( hsRequest.getParameter( | name: "insuranceID" ) ));
   coverage.put("coverageCondition", "high");
   insurance.setM_hcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "middle" );
   insurance.setM_mcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "low" );
   insurance.setM_lcoverage( insuranceService.getCoverage( coverage ) );
   model.addAttribute( attributeName: "insurance", insurance );
@PostMapping(@v"insurance/approveDone")
public String insuranceApproveDone(Approve approve, Model model ){
   insuranceService.createApprove( approve );
   this.insuranceList.search( approve.getInsuranceID() ).setM_approve( approve );
   model.addAttribute( attributeName: "msq", attributeValue: "상품 인가가 완료되었습니다." );
   return index( model );
```

```
@Service
public class InsuranceService {
   @Autowired
   private InsuranceMapper insuranceMapper;
   public int create(Insurance insurance) { return insuranceMapper.create( insurance ); }
   public int createCoverage(Coverage coverage) { return insuranceMapper.createCoverage( coverage ); }
   public int createApprove(Approve approve) { return insuranceMapper.createApprove( approve ); }
   public List<Insurance> getInsuranceList(){ return insuranceMapper.retrieve(); }
   public List<Insurance> getInsuranceListNoApprove(){ return insuranceMapper.retrieveNoApprove(); }
   public List<Insurance> getInsuranceListApprove(){return insuranceMapper.retrieveApprove(); }
   public Insurance getInsurance(int insuranceID ){ return insuranceMapper.retrieveByID( insuranceID ); }
   public Coverage getCoverage( HashMap<String, Object> coverageInfo ){ return insuranceMapper.retrieveCoverage( coverageInfo ); }
   public int createSaleRecord(SaleRecord saleRecord) { return insuranceMapper.createSaleRecord(saleRecord); }
   public SaleRecord getSaleRecord( int insuranceID ) { return insuranceMapper.retrieveSaleRecord( insuranceID ); }
```

```
@Mapper
public interface InsuranceMapper {
   List<Insurance> retrieve();
   List<Insurance> retrieveNoApprove();
   List<Insurance> retrieveApprove();
   int create( Insurance insurance );
    int createCoverage( Coverage coverage );
   int createApprove( Approve approve );
   int createSaleRecord(SaleRecord saleRecord);
   Insurance retrieveByID( int insuranceID );
   Coverage retrieveCoverage(HashMap<String, Object> coverageInfo);
   SaleRecord retrieveSaleRecord( int insuranceID );
```

```
<mapper namespace="com.insurance.Insurance_spring.mapper.InsuranceMapper">
      <insert id="create" parameterType="com.insurance.Insurance_spring.domain.insurance.Insurance" useGeneratedKeys="true|" keyProperty="insuranceID">
            INSERT INTO insurance ( insuranceName, insuranceCost, content, type ) values ( #{insuranceName}, #{insuranceCost}, #{content}, #{type} )
      </insert>
      <insert id="createCoverage" parameterType="com.insurance.Insurance_spring.domain.insurance.Coverage" useGeneratedKeys="true" keyProperty="coverageID">
            INSERT INTO coverage ( insuranceID, coverageCondition, coverageContent, coverageCost ) values ( #{insuranceID}, #{coverageCondition}, #{coverageContent}, #{coverageCo
      </insert>
      <insert id="createApprove" parameterType="com.insurance.Insurance_spring.domain.insurance.Approve" useGeneratedKeys="true" keyProperty="approveID">
            INSERT INTO approve ( insuranceID, approved, permissionDate, permissionRefuse, insuranceProblem ) values ( #{insuranceID}, #{approved}, #{permissionDate}, #{permissionRefuse}, #{insuranceProblem})
      </insert>
      <insert id="createSaleRecord" parameterType="com.insurance.Insurance_spring.domain.insurance.SaleRecord" useGeneratedKeys="true" keyProperty="insuranceID">
            INSERT INTO salerecord (insuranceID, goalCnt, saleCnt) values (#{insuranceID}, #{goalCnt}, #{saleCnt})
      </insert>
      <select id="retrieve" resultType="com.insurance.Insurance_spring.domain.insurance.Insurance">
            SELECT * FROM insurance
      </select>
            select * from insurance left outer join approve using(insuranceID) where approve.insuranceID IS NULL
      </select>
      <select id="retrieveByID" resultType="com.insurance.Insurance_spring.domain.insurance.Insurance">
            SELECT * FROM insurance WHERE insuranceID = #{insuranceID} LIMIT 1
      </select>
      <select id="retrieveCoverage" parameterType="HashMag resultType="com.insurance.Insurance_spring.domain.insurance.Coverage">
            SELECT * FROM coverage WHERE insuranceID = #{insuranceID} AND coverageCondition = #{coverageCondition} LIMIT 1
      </select>
      <select id="retrieveApprove" resultType="com.insurance.Insurance_spring.domain.insurance.Insurance">
            select * from insurance left outer join approve using(insuranceID) where approve.approved = 1
      </select>
      <select id="retrieveSaleRecord" resultType="com.insurance.Insurance_spring.domain.insurance.SaleRecord">
            select * from salerecord where insuranceID=#{insuranceID} limit 1
      </select>
      <update id="updateByID" parameterType="com.insurance.Insurance_spring.domain.insurance.Insurance">
            update pcustomer set insuranceName=#{insuranceName}, insuranceCost=#{insuranceCost}, content=#{content<u>} where insuranceID=#{insuranceID}</u>
      </update>
```

```
@GetMapping(@v"insurance/approve")
public String insuranceApprove( Model model ){
   this.insuranceList.setInsuranceList( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
   model.addAttribute( attributeName: "insuranceNoApprove", this.insuranceList.getInsuranceList() );
dPostMapping(♥♥"insurance/approve")
public String insuranceApproveDo( HttpServletRequest hsRequest, Model model ){
    Insurance insurance = this.insuranceList.search( Integer.parseInt( hsRequest.getParameter( name: "insuranceID" ) ) );
   HashMap<String, Object> coverage = new HashMap<<>>();
   coverage.put("insuranceID", Integer.parseInt( hsRequest.getParameter( | name: "insuranceID" ) ));
   coverage.put("coverageCondition", "high");
   insurance.setM_hcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "middle" );
   insurance.setM_mcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "low" );
   insurance.setM_lcoverage( insuranceService.getCoverage( coverage ) );
   model.addAttribute( attributeName: "insurance", insurance );
@PostMapping(@v"insurance/approveDone")
public String insuranceApproveDone(Approve approve, Model model ){
   insuranceService.createApprove( approve );
   this.insuranceList.search( approve.getInsuranceID() ).setM_approve( approve );
   model.addAttribute( attributeName: "msq", attributeValue: "상품 인가가 완료되었습니다." );
   return index( model );
```

```
<body>
<div class="container">
 <button type="button" style="..." onclick="location.href='/'">
  <img style="..." src="http://localhost:8080/home4.png">
 </button>
 <form class="d-none" id="form_approve" action="/insurance/approve" method="post">
  <input type="hidden" name="insuranceID">
 </form>
 <div class="row px-2 mt-3">
                         인가되지 않은 보험 목록
  <h2>인가되지 않은 보험 목록</h2>
  보험이름
   <thead>
   오늘만든건물화재
                         8
     #
                                                         선택
     보험이름
     </thead>
   >
      <button class="btn btn-secondary" th:onclick="approve([[${insurance.insuranceID}]] )">선택</button>
     </div>
</div>
</body>
```

```
@GetMapping(@v"insurance/approve")
public String insuranceApprove( Model model ){
   this.insuranceList.setInsuranceList( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
   model.addAttribute( attributeName: "insuranceNoApprove", this.insuranceList.getInsuranceList() );
@PostMapping(@v"insurance/approve")
public String insuranceApproveDo( HttpServletRequest hsRequest, Model model ){
    Insurance insurance = this.insuranceList.search( Integer.parseInt( hsRequest.getParameter( name: "insuranceID" ) ) );
   HashMap<String, Object> coverage = new HashMap<~>();
   coverage.put("insuranceID", Integer.parseInt( hsRequest.getParameter( | name: "insuranceID" ) ));
   coverage.put("coverageCondition", "high");
   insurance.setM_hcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "middle" );
   insurance.setM_mcoverage( insuranceService.getCoverage( coverage ) );
   coverage.put("coverageCondition", "low" );
   insurance.setM_lcoverage( insuranceService.getCoverage( coverage ) );
   model.addAttribute( attributeName: "insurance", insurance );
for no runahhtiid ( A Tileni, alice), abbi. o senolle )
public String insuranceApproveDone(Approve approve, Model model ){
   insuranceService.createApprove( approve );
   this.insuranceList.search( approve.getInsuranceID() ).setM_approve( approve );
   model.addAttribute( attributeName: "msq", attributeValue: "상품 인가가 완료되었습니다." );
   return index( model );
```

```
public class InsuranceListImpl implements InsuranceList {
   // attribute
   private ArrayList<Insurance> insuranceList;
   public InsuranceListImpl() { this.insuranceList = new ArrayList<Insurance>(); }
   public ArrayList<Insurance> getInsuranceList() {return insuranceList;}
   public void setInsuranceList(ArrayList<Insurance> insuranceList) {  this.insuranceList = insuranceList; }
   public void finalize() throws Throwable {
   public boolean add(Insurance insurance){
       if(this.insuranceList.add(insurance)) return true;
   public boolean delete(int insuranceId){
       for(Insurance insurance : this.insuranceList) {
           if(insurance.getInsuranceID() == insuranceId) {
               if(this.insuranceList.remove(insurance)) return true;
               break;
   public Insurance search(int insuranceId){
       for(Insurance insurance : this.insuranceList) {
           if(insurance.getInsuranceID() == insuranceId) return insurance;
```

THANK YOU

감사합니다.