

# 분산프로그래밍 2 발표

굴비팀

김규리 이은비

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# INDEX

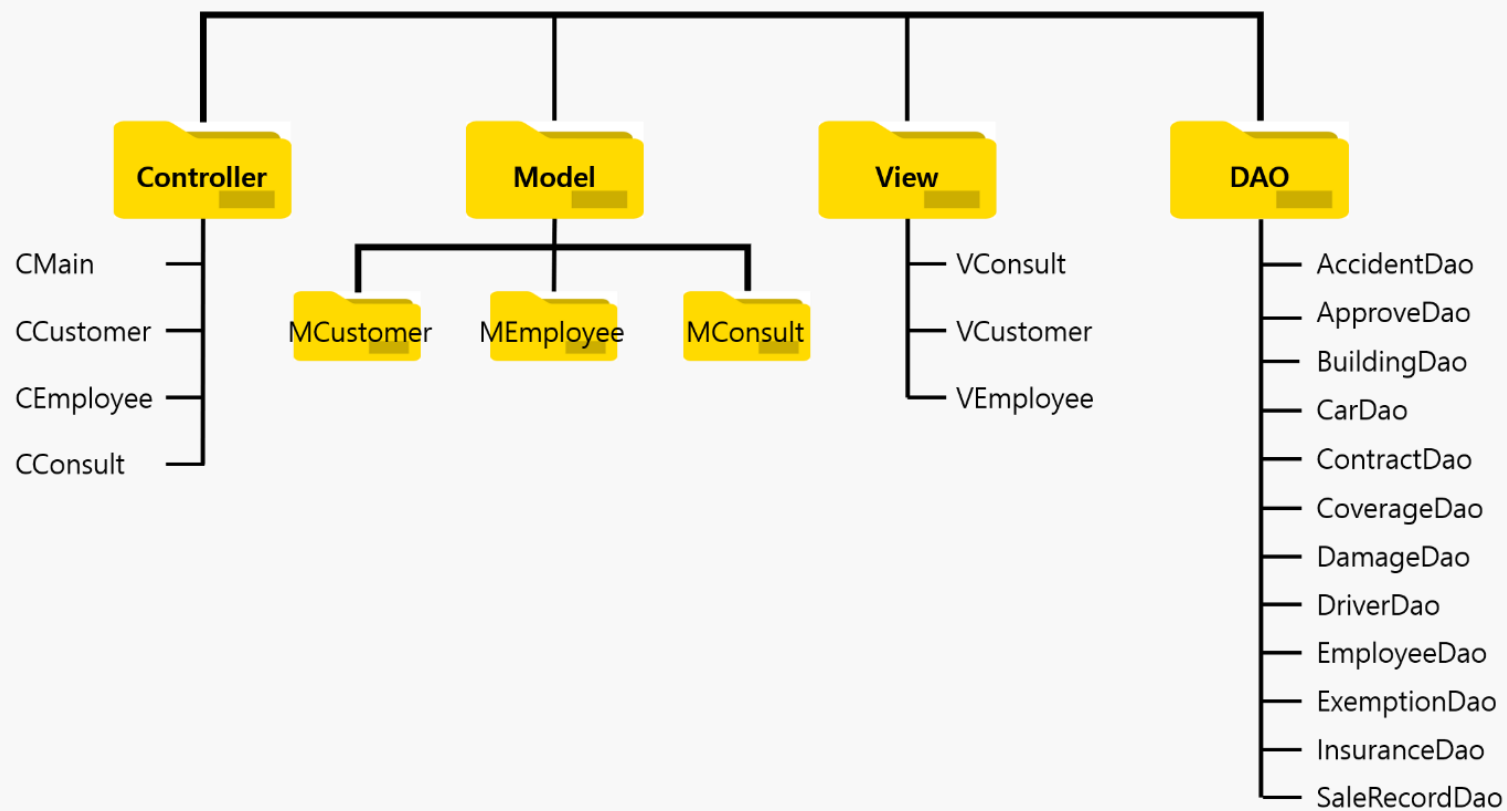
아키텍처

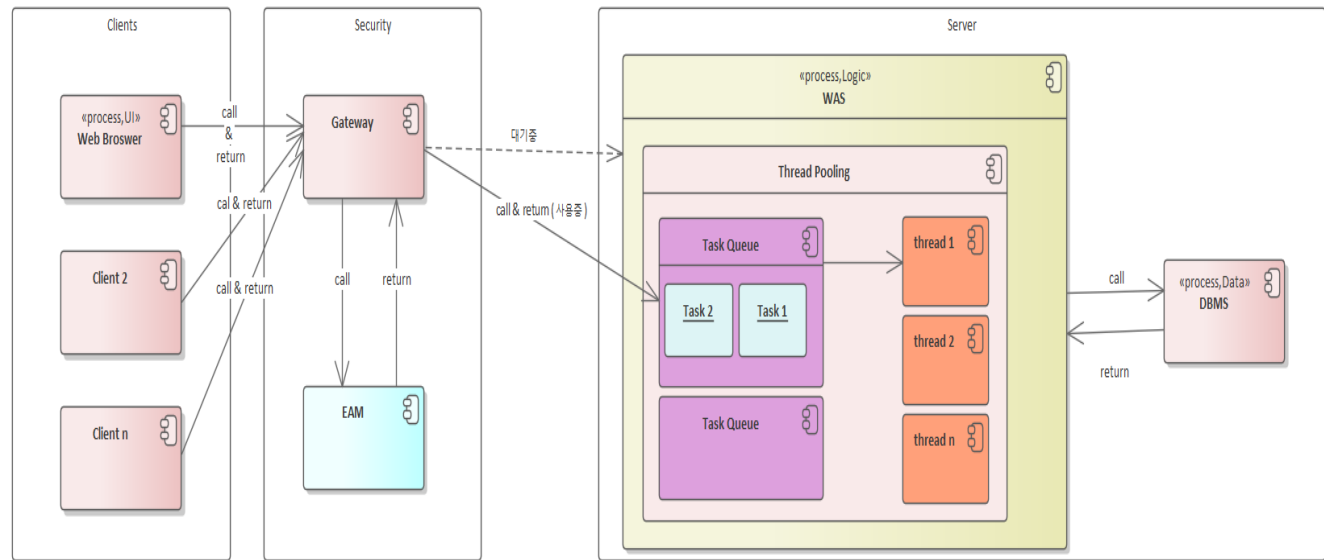
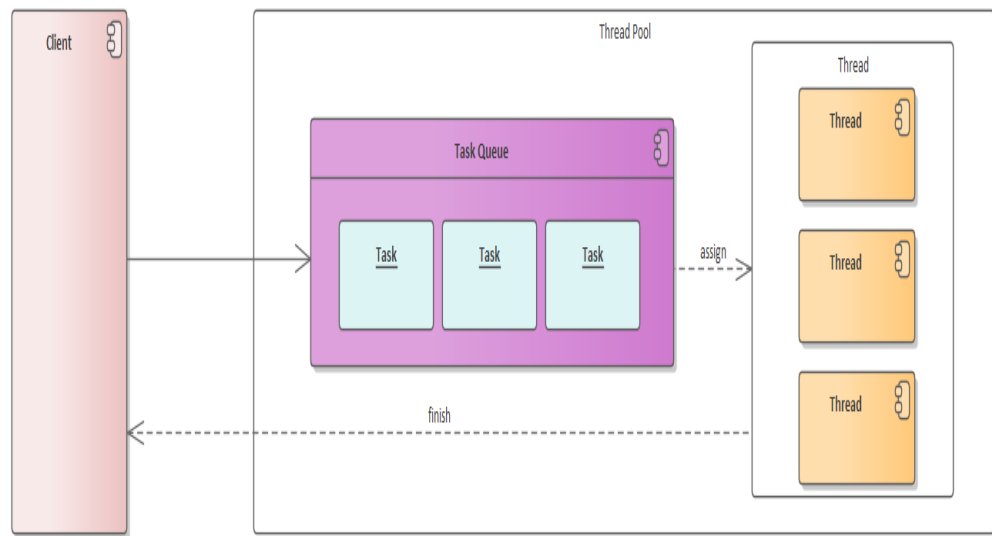


코드 리뷰

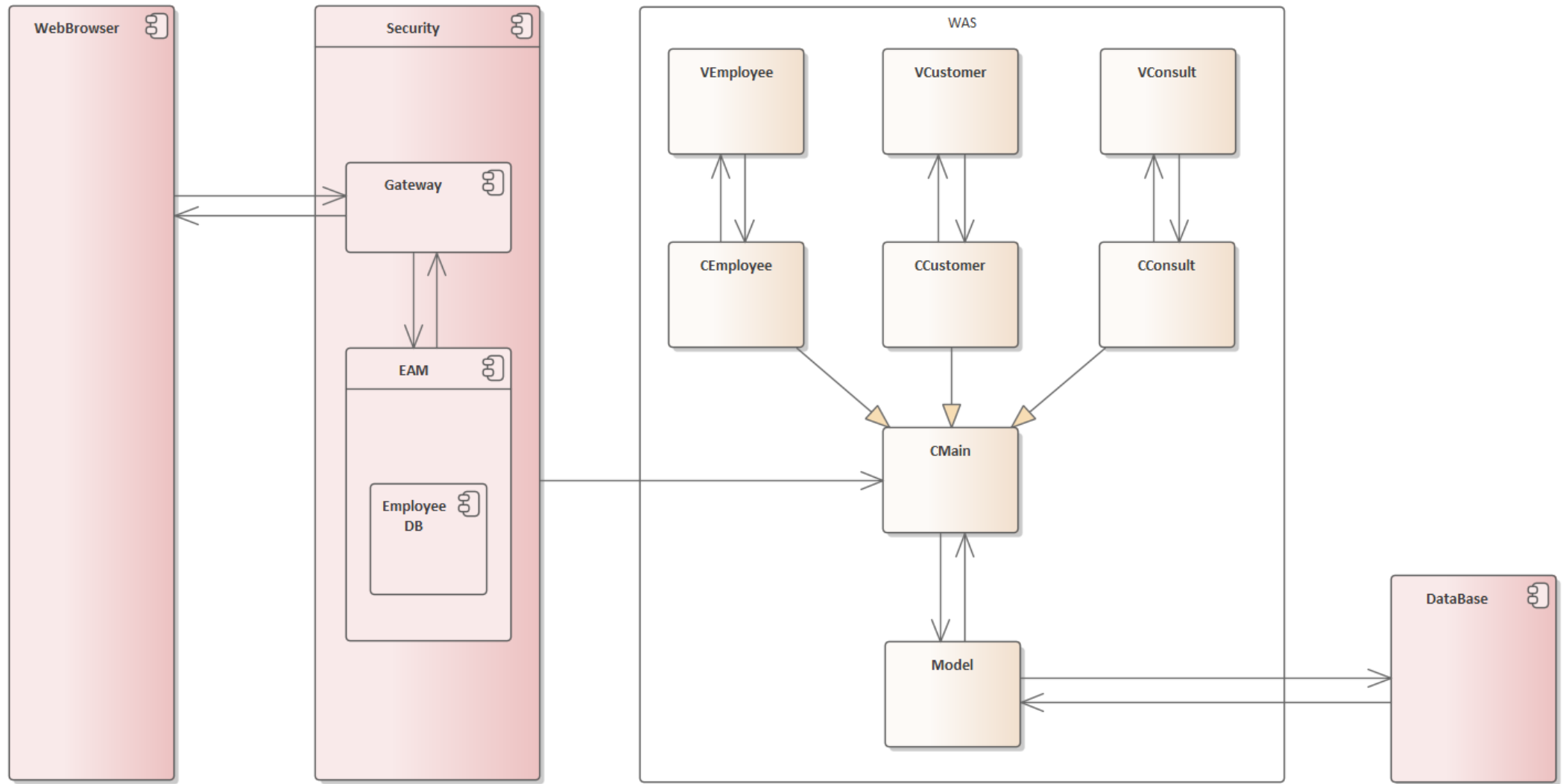


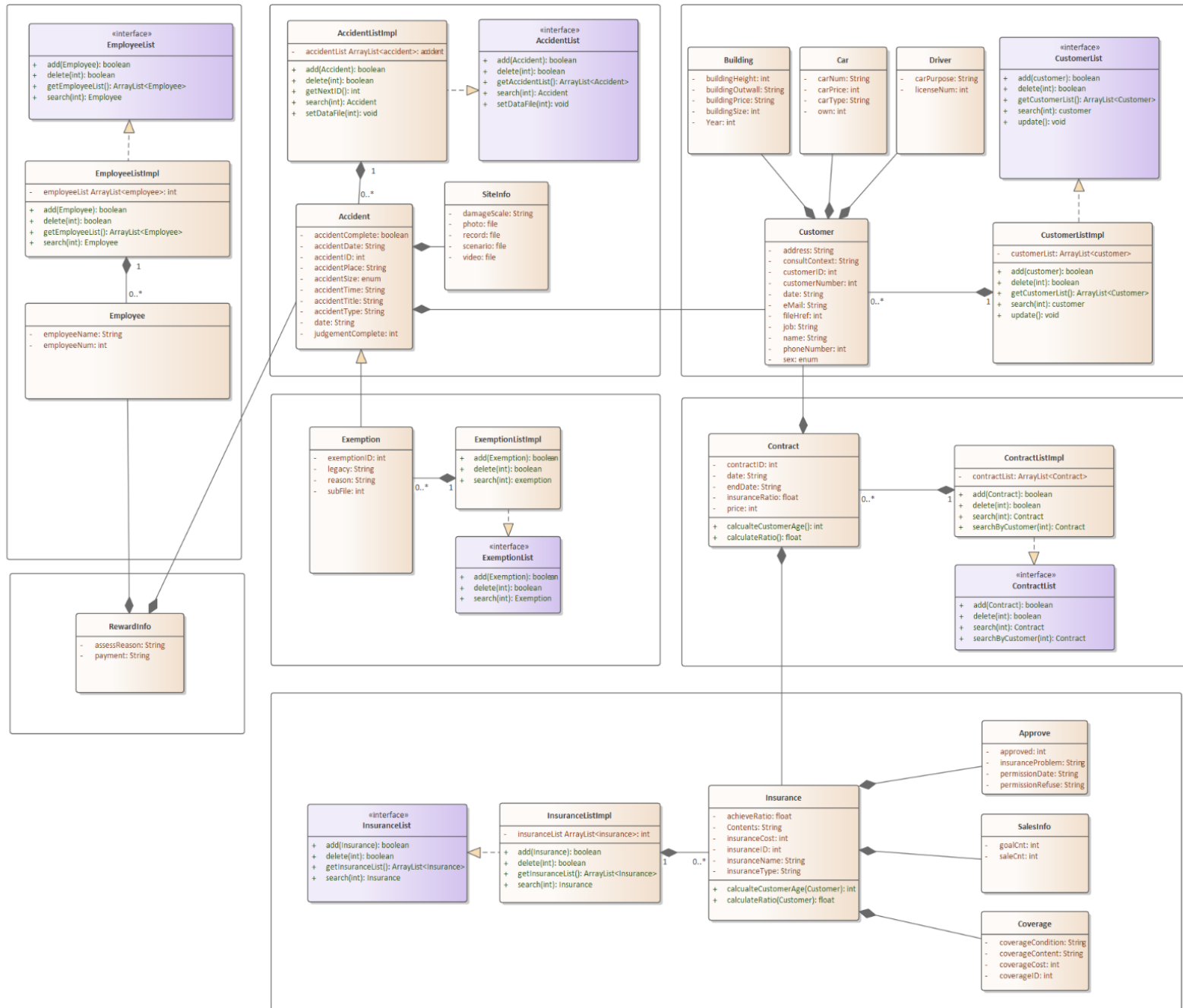
# 아키텍처\_중간 레포트



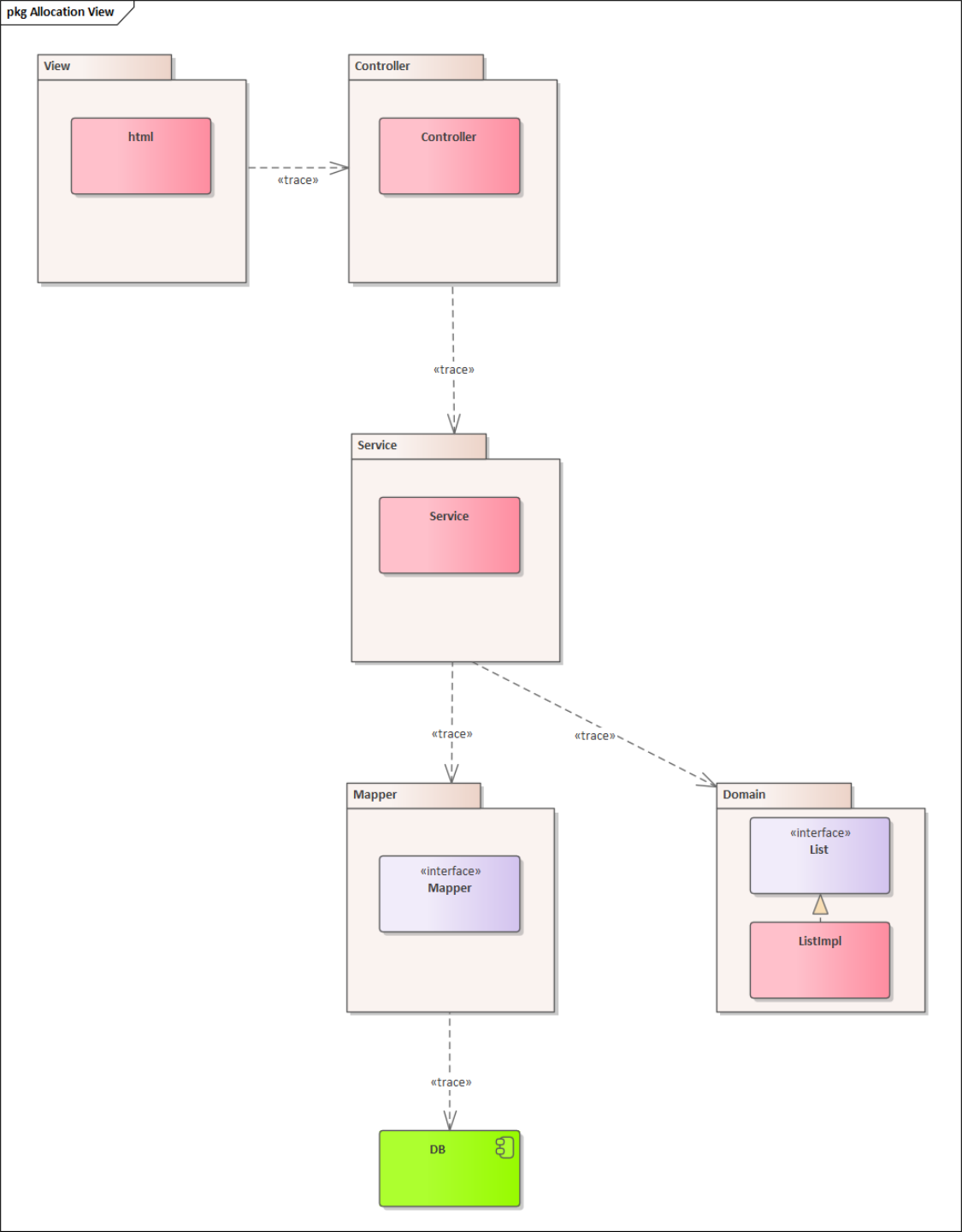


class ModuleView

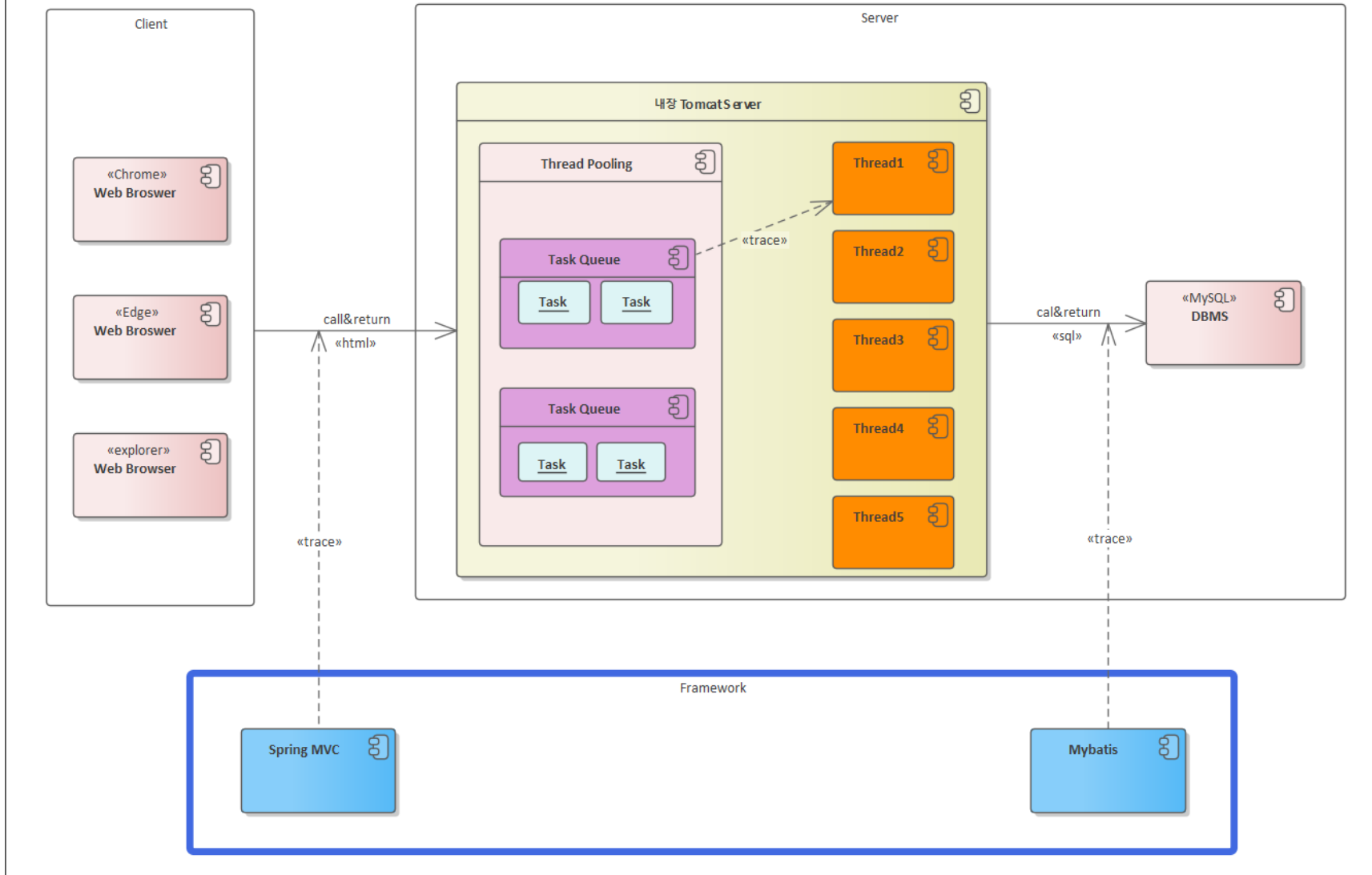




# 아키텍처\_구현

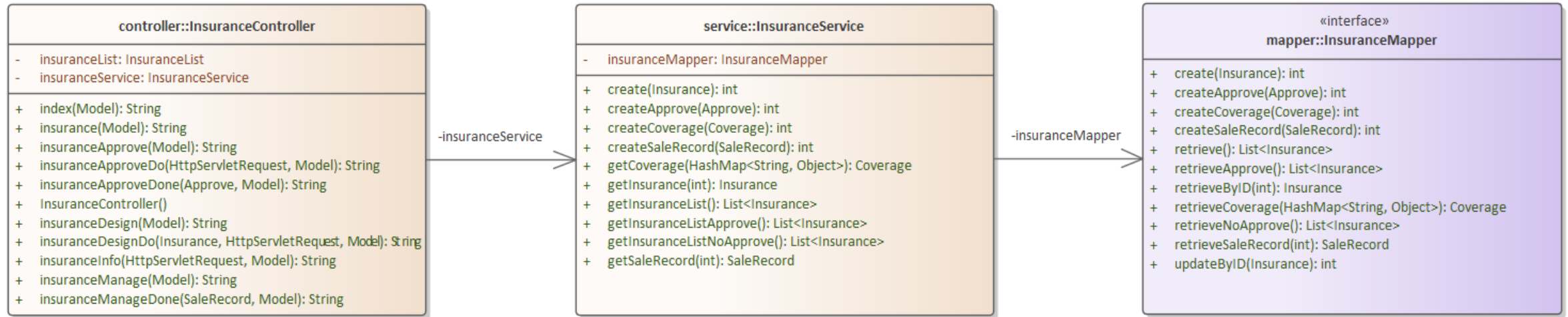


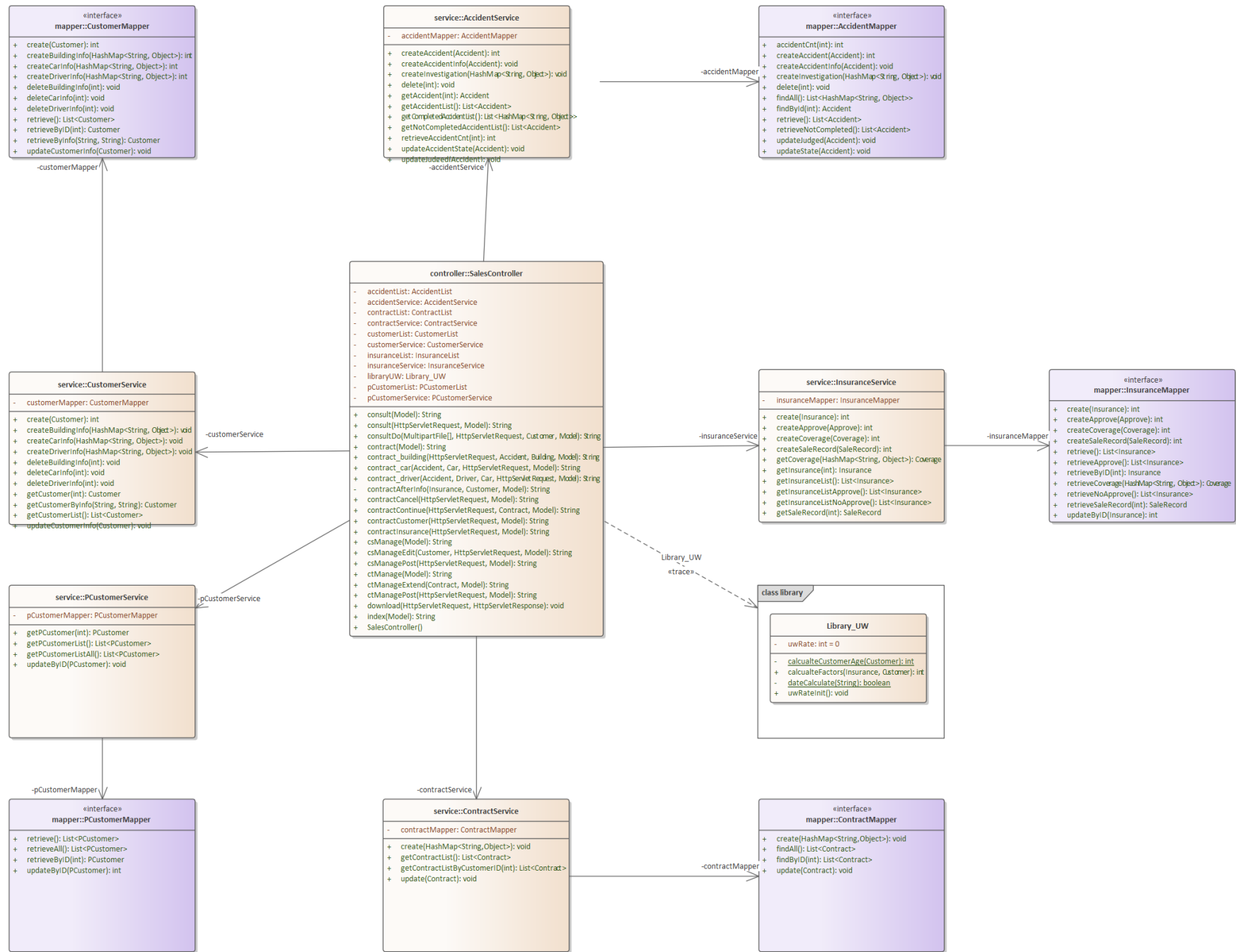
cmp Runtime View





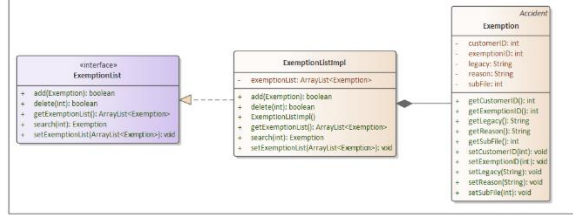
pkg Module\_Insurance







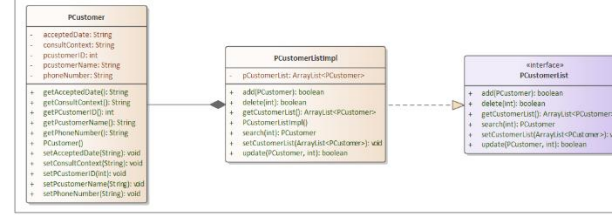
## class exemption



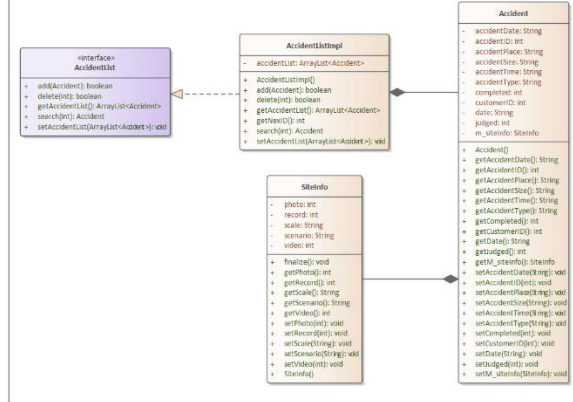
## class reward



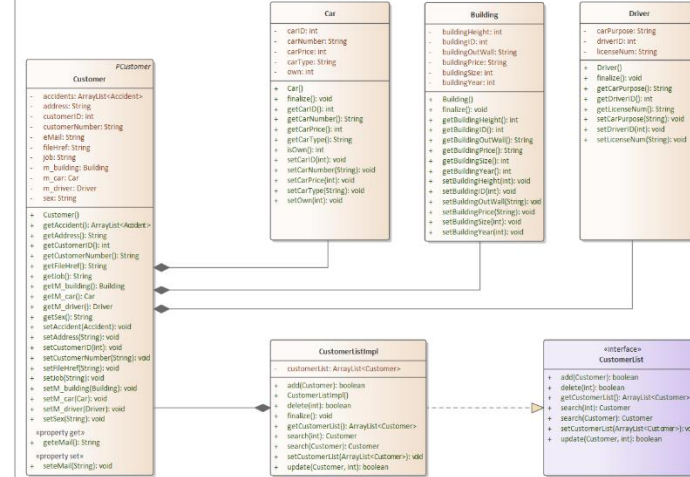
## class pCustomer



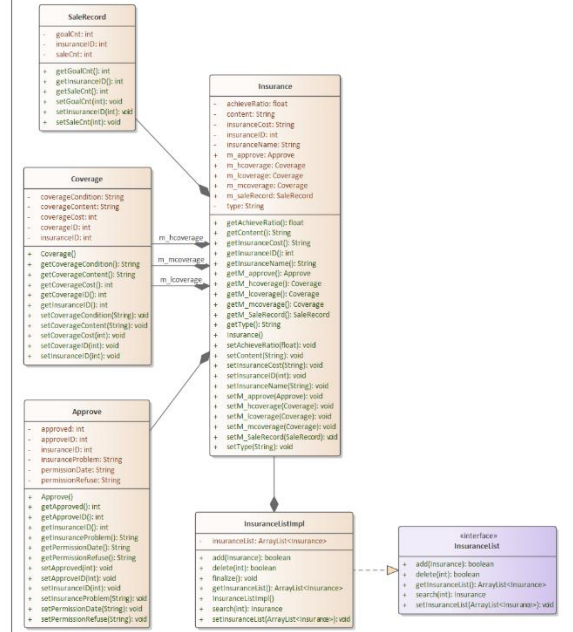
## class accident



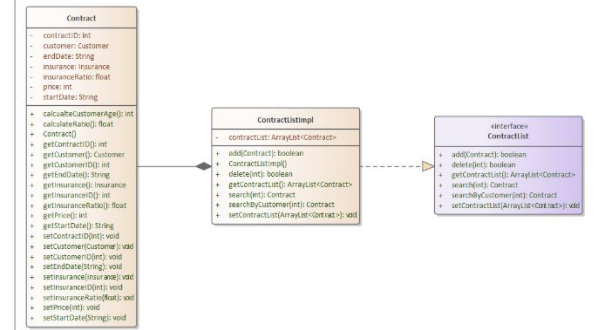
## class customer



## class insurance



## class contract



# 코드 리뷰

```
// 상품 인가하기
@GetMapping(👁️👁️👁️"insurance/approve")
public String insuranceApprove( Model model ){
    this.insurancelist.setInsurancelist( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
    model.addAttribute( attributeName: "insuranceNoApprove", this.insurancelist.getInsuranceList() );
    return "insurance/approve";
}

@PostMapping(👁️👁️👁️"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 );
    return "insurance/approveDo";
}

@PostMapping(👁️👁️👁️"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 );
}
```

# 코드 리뷰

// 상품 인가하기

```
@GetMapping("insurance/approve")
public String insuranceApprove( Model model ){
    this.insurancelist.setInsurancelist( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
    model.addAttribute( attributeName: "insuranceNoApprove", this.insurancelist.getInsuranceList() );
    return "insurance/approve";
}
```

```
@PostMapping("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 );
    return "insurance/approveDo";
}

@PostMapping("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 );
}
```



# 코드 리뷰

```
@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 ); }
}
```

# 코드 리뷰

```
@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 );
}
```



# 코드 리뷰

```
<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}, #{coverageCost} )
  </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 id="retrieveNoApprove" resultType="com.insurance.Insurance_spring.domain.insurance.Insurance">
    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="HashMap" 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} where insuranceID=#{insuranceID}
  </update>
</mapper>
```

# 코드 리뷰

// 상품 인가하기

```
@GetMapping("insurance/approve")
public String insuranceApprove( Model model ){
    this.insurancelist.setInsurancelist( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );
    model.addAttribute( attributeName: "insuranceNoApprove", this.insurancelist.getInsuranceList() );
    return "insurance/approve";
}
```

```
@PostMapping("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 );
    return "insurance/approveDo";
}

@PostMapping("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 );
}
```

# 코드 리뷰

```
<body>
<div class="container">
  <button type="button" style="..." onclick="location.href='/'">
    
  </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">
    <h2>인가되지 않은 보험 목록</h2>
    <table class="table">
      <thead>
        <tr>
          <th>#</th>
          <th>보험이름</th>
          <th></th>
        </tr>
      </thead>
      <tbody>
        <tr th:each="insurance : ${insuranceNoApprove}">
          <td th:text="${insurance.insuranceID}"></td>
          <td th:text="${insurance.insuranceName}"></td>
          <td>
            <button class="btn btn-secondary" th:onclick="approve( [[${insurance.insuranceID}]] )">선택</button>
          </td>
        </tr>
      </tbody>
    </table>
  </div>
</div>
</body>
```

## 인가되지 않은 보험 목록

#	보험이름
---	------

8	오늘만든건물화재
---	----------

선택

# 코드 리뷰

// 상품 인가하기

@GetMapping("insurance/approve")

public String insuranceApprove( Model model ){

    this.insurancelist.setInsurancelist( (ArrayList<Insurance>) insuranceService.getInsuranceListNoApprove() );

    model.addAttribute( attributeName: "insuranceNoApprove", this.insurancelist.getInsuranceList() );

    return "insurance/approve";

}

@PostMapping("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 );

    return "insurance/approveDo";

}

@PostMapping("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 );

}

# 코드 리뷰

```
public class InsuranceListImp implements InsuranceList {
    // attribute
    private ArrayList<Insurance> insuranceList;

    public InsuranceListImp() { this.insuranceList = new ArrayList<Insurance>(); }
    // getter & setter
    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;
        else return false;
    }

    public boolean delete(int insuranceId){
        for(Insurance insurance : this.insuranceList) {
            if(insurance.getInsuranceID() == insuranceId) {
                if(this.insuranceList.remove(insurance)) return true;
                break;
            }
        }
        return false;
    }

    public Insurance search(int insuranceId){
        for(Insurance insurance : this.insuranceList) {
            if(insurance.getInsuranceID() == insuranceId) return insurance;
        }
        return null;
    }
}
```

THANK YOU

감사합니다.