**과제 1**

**Requirement Capturing**

**<의류쇼핑사이트>**

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**0. 역할 분담 및 수행 내용**

**(1) 역할 분담**

-의류 쇼핑 사이트의 기능을 4개씩 3가지(회원관리 및 등록/상품 구매/상품 내역 관리)로 나누고 분담함.

1) 이규민 : ①회원가입기능 / ②회원탈퇴기능 / ③로그인,로그아웃 기능 / ④판매의류등록 및 조회수정기능

2) 양정훈 : ⑥상품정보조회 및 상품구매기능 / ⑦결제기능 / ⑧포인트적립기능 / ⑨추가상품구매기능

3) 김세환 : ⑤판매 완료된 상품 내역 조회기능 / ⑩상품 구매 내역 관리 기능 / ⑪상품 구매 내역 삭제 기능 / ⑫상품 판매 및 구매통계기능

**(2) 수행 내용**

- 분담한 기능들에 대해서 각자 Requirement List, Actor description, UseCaseDiagram, UIScreenDesign, UseCaseDescription을 작성함.

- 각자 맡은 바에 해당하는 내용을 작업한 후 Git과 GitHub를 이용하여 자료 공유 및 수정 보완함.

- Slack을 이용하여 보조 자료와 수행 기록 등을 남겨놓고 정보를 공유함.

- 각자가 작업한 자료들을 바탕으로, 미팅을 통해 각 기능에 대한 연관성을 고려하였고, 잘못된 부분이 있는지 함께 검토하여 나눠진 기능들의 통합 준비 과정을 거침.

- 통합 정리하여 최종 결과로 도출하는 작업을 분담하여 실행함.

1) 양정훈 : Requirement List 최종 정리와 통합 작업 및 git commit history 출력.

2) 이규민 : Use Screen Design 에서 각 페이지의 연결성을 고려한 최종 디자인 작업.

3) 김세환 : Use Case Diagram 최종 정리와 통합 작업 및 보고서 작성.

-이후 통합된 자료를 바탕으로 최초 역할 분담한 내용을 기반으로 UseCase Description 작성을 각자 수행.

**1. Requirement Capturing (functional, non-functional)**

* **Functional**

(1) 회원가입

-시스템은 회원 가입한 사용자에 한해서 구매 및 판매를 할 수 있다.

-시스템은 회원가입, 판매 상품 등록, 내역 조회, 수정, 삭제 후 완료 메세지를 출력한다.

(2) 판매 의류 등록 및 조회 / 수정 기능

-판매자는 상품을 등록할 수 있고, 등록한 상품들을 조회, 수정, 삭제할 수 있으며 원하는 상품에 대해서도 조회, 수정, 삭제를 할 수 있다.

(3) 판매된 상품 내역 조회

-판매자가 판매 완료한 상품에 대한 내역(상품명, 제작회사명, 가격, 판매된 수량, 평균 구매만족도)을 출력함.

-조회시 상품명의 오름차순으로 정렬한 것을 출력함.

(4) 상품 정보 조회 및 상품 구매

-회원이 검색 조건을 선택할 수 있다. (상품명, 평균 구매 만족도)

-검색 조건에 해당하는 상품 리스트를 출력한다.

-디폴트 정렬 기준은 상품명의 오름차순이며 사용자가 평균 구매 만족도로 변경할 수 있다.

-출력된 상품 중에서 구매를 원하는 상품을 선택하면 해당 상품의 상세한 정보가 출력되며 즉시 결제한 후 구매할 수 있다.

(5) 결제 기능

-결제 시 포인트 사용을 선택할 수 있다.

(6) 추가 상품 구매 기능

-상품 구매 시 추가 상품으로 등록한 물품도 선택해서 같이 구매할 수 있다.

(7) 상품 구매 내역 조회 및 관리

-구매자가 구매한 상품에 대한 구매 내역(상품명, 제작회사명, 판매자, 가격, 평균 구매만족도, 구매일)을 출력함.

-조회시 상품명상품명의 오름차순으로 정렬하여 출력함.

-구매자는 조회된 내역에서 하나의 상품을 선택하여 구매만족도를 평가할 수 있음.

-구매자가 구매만족도를 평가하면, 평균 구매만족도에 반영한 구매내역을 출력함.

-구매자는 4주가 지나지 않은 상품에 대하여 환불신청을 할 수 있음.

-환불신청이 되면 자동으로 택배사에 물품 수거 신청을 요청함.

-환불 완료 여부에 따른 알림 정보를 제공

(8) 상품 구매 내역 삭제

-상품 구매 내역 조회를 통해, 3개월이 지난 구매 거래내역에 대해서만 임의로 삭제가 가능함.

-구매자에 의한 구매 내역 삭제시, 해당 구매 내역을 삭제한 상품 구매 내역을 출력함.

-6개월이 지난 거래내역을 자동으로 삭제하기 위한 이벤트가 발생함.

(9) 상품 판매 통계 산출

-판매자가 판매한 모든 상품에 대한 통계정보(총액 및 평균 구매만족도)를 출력함.

-이메일 공지 전송 시스템은 매월 말일에 모든 회원들에게 현재까지의 모든 판매 통계 정보를 이메일로 전송.

(10) 상품 구매 통계 산출

-구매자가 구매한 모든 상품에 대한 통계정보(총액 및 평균 구매만족도)를 출력함.

-이메일 공지 전송 시스템은 매월 말일에 모든 회원들에게 현재까지의 모든 구매 통계 정보를 이메일로 전송.

* **Non-Functional (정책 및 수치 위주)**

1) 시스템은 가입한 사용자의 정보들을 안전하게 보관해야 한다.

2) 판매 완료한 상품은 판매 종료일이 지났거나 남은 수량이 0이 된 상품을 의미한다.

3) 포인트는 3000점 이상이 적립되어 있는 경우에 사용 가능하다.

4) 구입 금액의 1%를 포인트로 적립해준다.

5) 구매 후 3개월이 지난 구매 거래 내역에 대해서만 임의로 삭제가 가능하도록 한다.

6) 거래 내역을 자동으로 삭제하는 시기를 구매 후 6개월로 정한다.

7) 환불이 가능한 기간을 구매 후 4주가 지나지 않은 상품으로 정한다.

8) 환불 시 사용된 포인트는 반환해 주는 것을 원칙으로 한다.

9) 추가 상품의 금액만큼 증가된 가격으로 총 구매금액이 결정된다.

10) 삭제된 구매 내역은 통계 산출에서 제외한다.

**2. Actor Description**

(1) 비회원 : 해당 사이트틀 이용하고자 하지만 아직 회원가입을 하지 않은 사람

(2) 회원 : 해당 사이트를 이용하고자 하는 회원 가입을 마친 모든 사람

-상품 정보를 조회할 수 있는 사용자

(3) 판매자 : 해당 사이트에 회원 가입 후 상품을 등록/조회/수정을 하고, 판매를 하는 사용자

-판매 완료된 상품 내역 조회 기능을 선택하여, 자신이 판매완료한 의류 상품을 조회할 수 있음.

-상품 판매 통계 산출 기능을 선택하여, 현재까지 판매한 모든 상품에 대한 총액 및 평균 구매만족도 정보를 얻을 수 있음.

(4)구매자 : 해당 사이트에 회원 가입 후 등록된 상품을 구매하려는 사용자

-상품 구매 내역 조회 및 관리 기능을 선택하여, 구매 내역을 조회할 수 있음.

-상품 구매 내역 조회 및 관리 기능을 통해 조회된 내역에서 하나의 상품을 선택하여 구매만족도를 평가할 수 있음.

-구입 후 4주가 지나지 않은 상품에 대하여 환불신청을 할 수 있음.

-구매 내역 관리에서 3개월이 지난 구매 거래내역에 대해서만 임의로 삭제가 가능함.

-상품 구매 통계 산출 기능을 선택하여 현재까지 구매한 모든 상품에 대한 총액 및 평균 구매만족도 통계 정보를 얻을 수 있음.

(5)거래 내역 삭제 이벤트

-6개월이 지난 거래내역을 자동으로 삭제시키도록 하는 이벤트를 발생시킴.

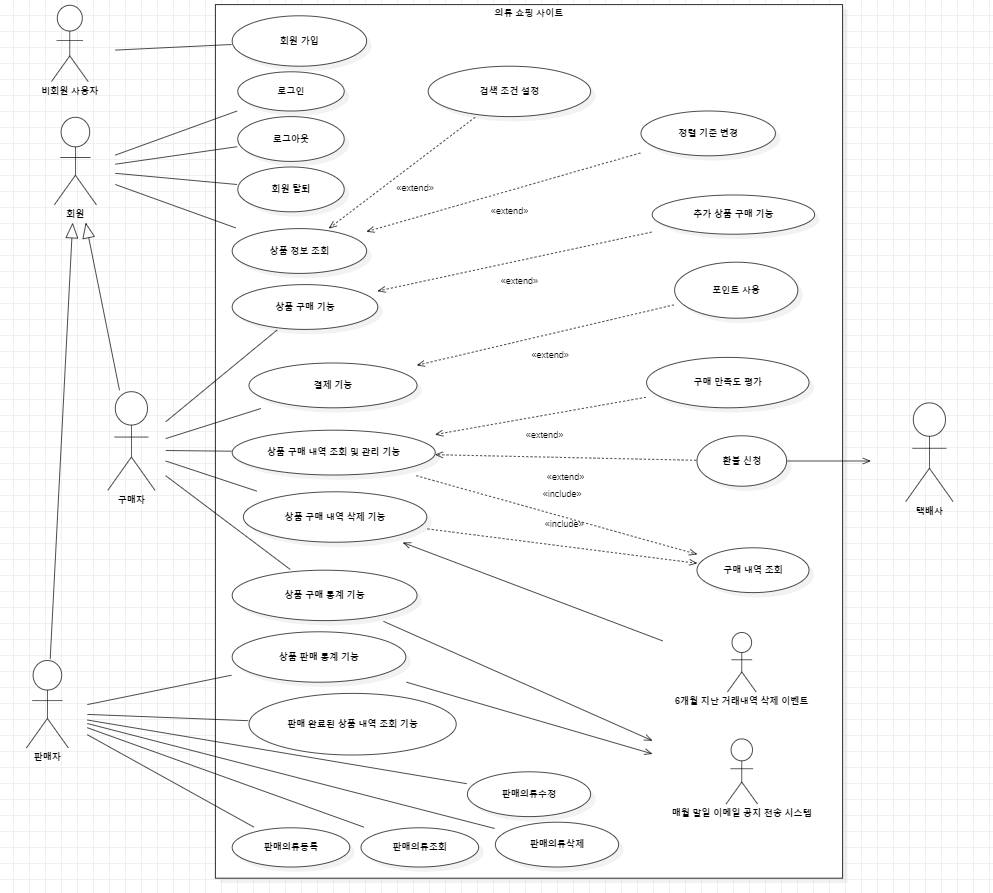
(6)이메일 공지 전송 시스템

-매월 말일에 모든 회원에게 그 달에 대한 판매 및 구매 통계 정보를 이메일로 전송.

(7)외부 택배사 시스템

-환불신청이 요청된 경우, 자동으로 물품 수거 신청 요청을 받는 외부 시스템.

**3. USe Case diagram**



**4. UI Screen Design & Use Case Desciption**

**(1) 회원가입**

텍스트이(가) 표시된 사진

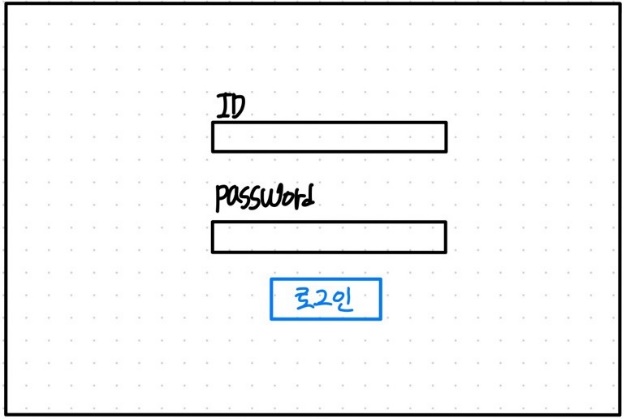
자동 생성된 설명- UI Screen Design

- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 사이트에서 원하는 형식의 기본 정보(이름, 주민번호, 주소, 이메일 등)을 입력함. | ② 시스템은 해당 사용자가 정확한 정보를 입력하였다면 완료 메세지 출력 |
| **Alternative Courses** | |
| 없음 | |

**(2) 로그인**

- UI Screen Design

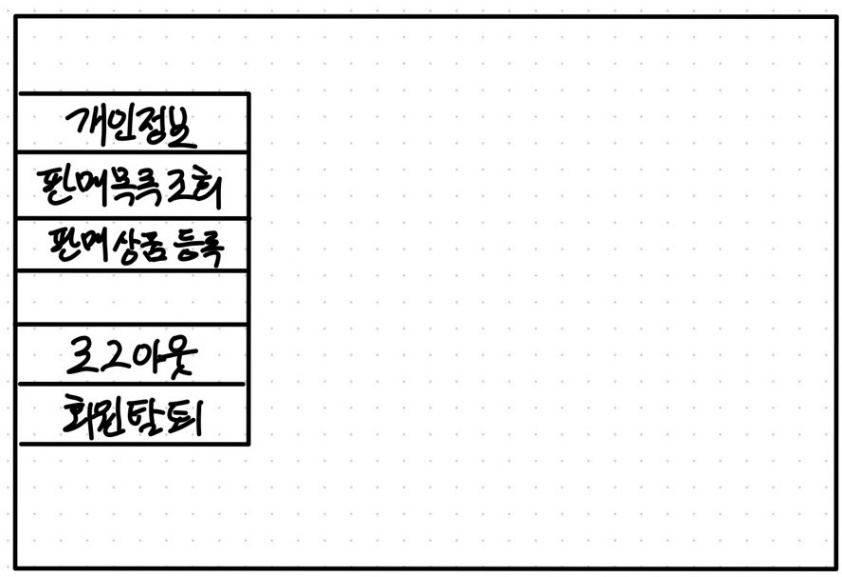


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 회원 가입 시 등록한 ID와 Password를 화면에 입력함 | ② 시스템은 입력 받은 ID와 Password가 맞으면 이후의 기능을 사용할 수 있도록 페이지 넘김 |
| **Alternative Courses** | |
| - ID와 Password가 틀릴 시, 재입력 메시지 출력함 | |

**(3) 로그아웃**

- UI Screen Design

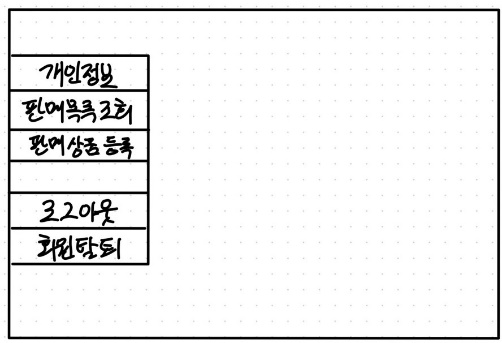


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 개인 정보 확인 화면에서 로그아웃을 클릭함 | ② 시스템은 로그아웃 되었다는 메시지를 출력함 |
| **Alternative Courses** | |
|  | |

**(4) 회원 탈퇴**

- UI Screen Design

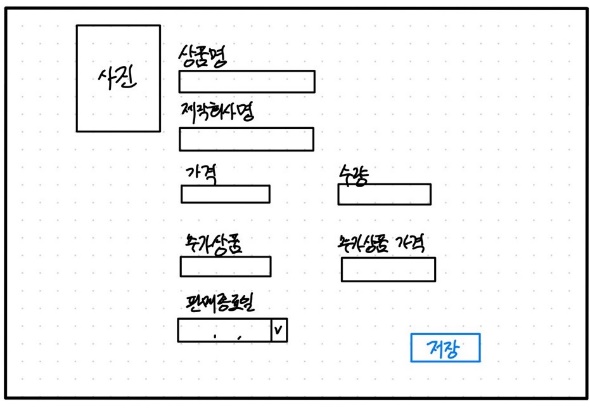


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 개인 정보 확인 화면에서 회원 탈퇴를 클릭함  ③ 사용자는 판매 중인 상품을 등록 취소함  ⑤ 사용자는 탈퇴할 것임을 알림 | ② 사용자에게 판매 등록한 상품을 취소하라는 메세지를 출력  ④ 시스템은 사용자의 판매 중인 상품이 없는 것이 확인되면 정말 탈퇴할 것인지를 다시 물어보는 메시지 출력  ⑥ 시스템은 탈퇴가 완료되었다는 메시지 출력 |
| **Alternative Courses (**위에서 ①이후판매 등록한 상품이 남아있지 않으면,) | |
| ③ 사용자는 탈퇴할 것임을 알림 | ② 사용자에게 정말 탈퇴할 것 인지를 물어보는 메세지를 출력  ④ 시스템은 탈퇴가 완료되었다는 메시지 출력 |

**(5) 판매 의류 등록**

- UI Screen Design

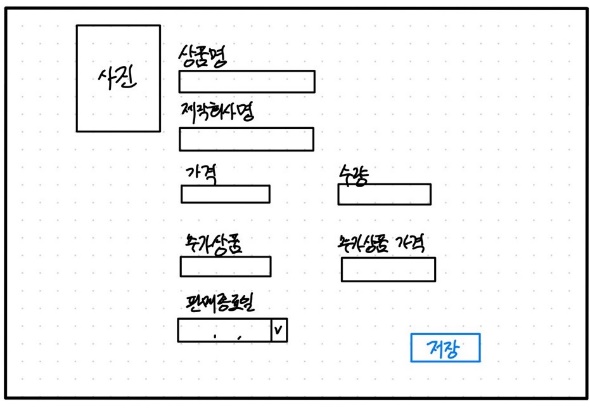


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 판매 등록 페이지로 이동하여 판매 등록하고자 하는 상품의 정보(상품명, 제작 회사명, 가격, 수량, 추가상품 가격, 판매 종료일 등)등을 입력 | ② 등록이 완료되었다는 메시지 출력 |
| **Alternative Courses** | |
| 없음 | |

**(6) 판매 의류 수정**

- UI Screen Design



- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 판매 의류 조회 페이지에서 받은 목록 중 수정하고자 하는 상품 페이지로 이동  ③ 사용자는 해당 상품 정보들 중 수정하고자 하는 내용을 입력하고 확인 버튼을 누름 | ② 시스템은 해당 상품 정보들을 출력  ④ 수정이 완료되었다는 메시지 출력 |
| **Alternative Courses** | |
| 없음 | |

**(7) 판매 의류 조회**

- UI Screen Design

텍스트이(가) 표시된 사진

자동 생성된 설명

- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 개인 페이지에서 판매 중인 의류 상품 리스트로 들어감 | ② 시스템은 해당 사용자가 판매 중인 상품을 정렬 기준에 맞춰 출력 |
| **Alternative Courses** | |
|  | |

**(8) 판매 의류 삭제**

- UI Screen Design

텍스트이(가) 표시된 사진

자동 생성된 설명

- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 사용자는 판매 의류 조회 페이지에서 받은 목록 삭제하고자 하는 상품의 체크박스 클릭.  ③ 삭제 버튼을 누름. | ② 시스템은 해당 상품을 삭제할지 물어보는 메시지 출력  ④ 삭제 완료 메시지 출력 |
| **Alternative Courses** | |
| 없음 | |

**(9) 상품 정보 조회**

- UI Screen Design

![테이블이(가) 표시된 사진

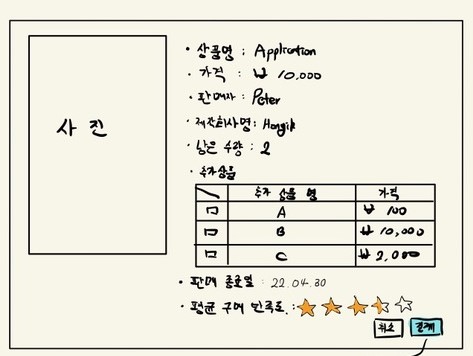
자동 생성된 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CAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCAFZAhgDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD9OKTcB1OKWvmuTw74i+Ln7RXxR0eT4l+NPCmkeHLfRVsrHwzfQW0Wbi2kklZxJBISSyDuOprz4q5qfSe9fWjevrXif/DM+pf9Fx+LP/g6s/8A5Do/4Zo1L/ouPxZ/8Hdn/wDIdO0e4tT2zzF9RRuX1H5ivE/+GaNS/wCi5fFn/wAHVn/8h0f8M06l/wBFy+LP/g6s/wD5Dpcse49T2vcP7w/MUbh6j8xXiv8AwzTqX/Rcfiz/AODmz/8AkOl/4Zq1L/ouHxZ/8HVn/wDIdO0e4antW9fX9aN6+v614r/wzVqX/Rcfix/4ObP/AOQ6T/hmvUv+i4/Fj/wc2f8A8h0rQ7hqe17h6ijcvrXiv/DNepD/AJrj8WP/AAc2f/yHR/wzbqX/AEXD4r/+Dmz/APkOi0Q1Patw/vD8xRuHqK8V/wCGbdS/6Lh8V/8Awc2f/wAh0v8AwzXqf/RcPiv/AODmy/8AkOi0O4antO4f3hRuX+8Pzrxf/hm3U/8AouHxX/8ABxZf/IdJ/wAM26l/0XD4r/8Ag5sv/kOi0O4antO4f3h+Yo3D+8PzFeKf8M2ap/0XL4r/APg3sv8A5Do/4Zr1T/ouXxX/APBvZf8AyHRaHcNT2vcP7w/MUm4f3h+YrxX/AIZs1X/ouXxW/wDBvZf/ACHR/wAM26t/0XL4rf8Ag2sv/kOi0QPa9w/vD8xRkf3h+YrxX/hmvVsg/wDC8viv/wCDay/+Q6U/s2at2+OXxW/8Gtl/8h0WiGp7TuH94H8RRuHqK8V/4Zs1f/ouXxW/8Gtj/wDIlJ/wzbq3/Rc/it/4NbL/AOQ6LQ7hqe17l9RRuX+9Xin/AAzbq3/Rcvit/wCDWy/+Q6P+Gb9W/wCi5/FX/wAGtl/8h0WiGp7Xkf3hRuUdT+orxT/hm3V/+i5/FX/wa2X/AMh0f8M26x/0XP4q/wDg1sv/AJDotENT2vev94fmKNy/3gfxFeKf8M26wP8AmufxU/8ABnZf/IlH/DN2s/8ARc/ip/4NLH/5EotENT2vcPUfnRuX1rxT/hm7WP8AounxU/8ABpY//IlH/DN+sf8ARdPip/4NLH/5DotDuGp7X5i+oo3D1FeK/wDDNus/9F0+Kf8A4M7H/wCQ6P8Ahm3Wf+i6fFT/AMGdj/8AIdFohqe1bh6ijcPUV4r/AMM3az/0XT4p/wDgzsf/AJDo/wCGb9Z/6Lp8U/8AwZWX/wAh0WiGp7TuH94fmKNw/vD8xXi3/DN+tf8ARdPip/4MbH/5Do/4Zv1vr/wvT4p/+DGx/wDkOi0O4antW4f3hRuHqK8V/wCGcNa/6Lp8Uv8AwY2X/wAh0f8ADN+tf9F0+KX/AIMbL/5DotENT2rcP7wo3D1FeKf8M4a3/wBF0+KX/gxsf/kOj/hm/W/+i6fFL/wY2P8A8iUWiGp7XuHrRuHqK8V/4Zv1v/ouvxS/8GNj/wDIlH/DOOuf9F1+KX/gwsf/AJEotENT2rcPUUbl9RXiv/DOOt/9F0+KX/gwsf8A5Eo/4Zx1z/ounxR/8GFj/wDIlFohqe1eYvrRvX1/UV4r/wAM465/0XT4o/8Agwsf/kSj/hnHXP8AouvxR/8AA+x/+RKLRDU9q3L6j8xRuX1H5ivFf+Gcdd/6Lr8Uf/A+x/8AkSj/AIZy13/ouvxQ/wDA+x/+RKLRDU9q3D1FG4eorxX/AIZz13/ounxQ/wDA6x/+RKP+Gcde/wCi6/FD/wADrH/5EotDuGp7VuHqKNw9RXiv/DOOvf8ARdfih/4G2P8A8iUf8M46/wD9F1+KH/gdYf8AyJRaIHtW5fX9aNw9RXiv/DOWvf8ARdvif/4HWH/yJQf2c9e/6Lt8Tv8AwOsP/kSnyx7i1Paty+oo3D1FeK/8M6a9/wBF2+J3/gbYf/Ilcl8XPg/4q8B/Cnxl4m0/45fEiW/0bRrzULeO4u7Fo2kihd1DAWoJXKjPPSjlj0Yan0x+OfpRWJ4F1G41jwP4dv7uTzbu60y1nmkIxvd4VZm9skmtuoegwooopAFFFFABRRRQAUUUUAFeHfCn/k6L49/9cvDf/pDPXuNeG/Cn/k6L49f9cvDf/pDPWkdmI9zUbmUepA/WvnPwB8d/jB8UvCtt4n8NfCvwtNoV7LOtrJf+MZLedlinkhLNGLNguWjY4DGvoxP9ZH/vr/MV4b+xN/ybH4P/AOumof8ApxuqcUrXAn/4Tb4+f9En8F/+F1L/APINB8cfHzH/ACSbwX/4XUv/AMg17V1wPwrwr/hcXjz4n+MNdsPhTo3h6Xw54dvG06+8ReKZrhYL+9TiW3tEgBJWI/K8zZXdlQrYJoWvQZY/4Tr4+/8ARI/B3/hdSf8AyFR/wnnx9/6JF4O/8Lp//kKu01j4uaP4B+GyeL/iHcW3gO2hGy8XULgOkUwJXZGyjMoYruTau5lYHaDkDyax/wCCi/7P17drA/jxrAOwVZtQ0i9t4Tnp87RYH1OBwaPkB03/AAnfx8/6JH4O/wDC6k/+QqP+E8+Pv/RI/B//AIXL/wDyFXr2h69p3ibSLTVdIv7bVNLvIxLbXtnKssMyHoyupIYfSr1K/kB4n/wnnx9/6JH4P/8AC5f/AOQqT/hO/j7/ANEi8H/+F0//AMhV7bRS5l2A8S/4Tz4+f9Ei8H/+Fy//AMhUv/Cd/H3/AKJF4Q/8Ll//AJCr2yijmXYDxP8A4Tv4+f8ARIfCP/hcv/8AIVH/AAnvx8/6JD4Q/wDC5f8A+Qq9soo5l2A8T/4Tz4+H/mkPhEf9zy//AMhUf8J58e/+iQ+Ef/C5b/5Dr2yinzeQWPE/+E8+Pf8A0SHwj/4XLf8AyHR/wnnx7/6JB4S/8Ll//kOvbKKObyA8S/4Tz4+f9Eg8Jf8Ahct/8h0f8J58fP8AokHhL/wuW/8AkOvbaKXMuwHiX/CefHz/AKJB4S/8Llv/AJDpf+E8+Pf/AESDwl/4XLf/ACHXtlFHMuwHif8Awnnx7/6JB4U/8Llv/kOj/hPfj1/0SDwr/wCFyf8A5Dr2yijmXYDxL/hPvj1/0SDwr/4XJ/8AkOl/4T749f8ARHvCv/hcN/8AIle2UUcy7AeJ/wDCffHn/oj3hX/wuD/8iUv/AAn3x6/6I/4V/wDC5P8A8iV7XRRzLsB4p/wn3x6/6I/4V/8AC5P/AMiUf8J98ev+iP8AhX/wuT/8h17XRT5l2A8T/wCE++PX/RH/AAr/AOFwf/kOl/4T/wCPP/RH/C3/AIXJ/wDkOva6KXMuwHif/CffHnP/ACR7wt/4XJ/+Q6X/AIT/AOPP/RHvC3/hcn/5Er2uijmXYDxP/hPvjz/0R3wt/wCFyf8A5Eo/4T/49f8ARHfC/wD4XB/+Q69soo5l2A8T/wCE/wDj13+Dvhf/AMLn/wC5KP8AhP8A48/9Ed8L/wDhc/8A3JXtlG4f3qd/IR4n/wAJ/wDHn/ojvhf/AMLn/wC5KX/hYHx4/wCiO+Gf/C4/+5K9r3D+8KNw9RTv5AeJ/wDCwPjx/wBEd8Mf+Fx/9yUf8LA+PH/RHfDP/hcf/cle17h6ijcPUUX8gPFP+FgfHn/ojnhn/wALj/7ko/4WB8eP+iOeGf8AwuB/8iV7XuHqKOPalfyGeKf8LA+PH/RHPDP/AIW4/wDkWj/hYHx4/wCiOeGv/C4H/wAiV7XketG4eop38gPFP+Fg/Hf/AKI54b/8Lkf/ACJR/wALC+O//RHfDf8A4XA/+Ra9r3D1FG4eopX8gPFP+Fg/Hf8A6I54bP8A3O4/+RaX/hYXx3/6I14b/wDC3H/yLXtfHqKTcvqKObyDQ8U/4WF8dv8Aojfhv/wuF/8AkWj/AIWF8dv+iOeG/wDwuB/8i17ZuHqKNw9ad/IDxRfiB8dmYD/hTfhzJP8A0PA/+Ra7D4HfE5vjJ8LNC8YPpf8AYsuoiYSWHnicQvFPJCyiQAbgTESDgcGu9i/1sf8AvD+deG/sU/8AJs/hH/rrqX/pyuqWlrge4V5x+0n/AMm7/FD/ALFfUv8A0lkr0evN/wBpT/k3f4of9ixqX/pLJUx3A6P4Y/8AJNfCX/YHsv8A0nSulrmvhl/yTbwl/wBgay/9J0rpaJbgFFFFSAUUV5N4k/aK8OW+teIPC+gXDal4r08NZRNcWk6aU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- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 검색어를 입력 후 검색 조건을 선택한 뒤 검색  ③ 정렬 기준 선택 | ② 검색 조건에 해당하는 상품 리스트 출력  ④ 정렬 기준에 맞게 상품 리스트 정렬하여 출력 |
| **Alternative Courses** | |
| 없음 | |

**(10) 상품 구매**

- UI Screen Design



- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 전 UI의 출력된 상품 중 구매를 원하는 상품을 선택  ③ 추가 상품 선택 | ② 해당 제품의 상세한 정보 출력 |
| **Alternative Courses** | |
|  | |

**(11) 결제 기능**

- UI Screen Design

![테이블이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEASABIAAD/4TYERXhpZgAATU0AKgAAAAgACQALAAIAAAAmAAAIhgESAAMAAAABAAEAAAEaAAUAAAABAAAIrAEbAAUAAAABAAAItAEoAAMAAAABAAIAAAExAAIAAAAmAAAIvAEyAAIAAAAUAAAI4odpAAQAAAABAAAI9uocAAcAAAgMAAAAegAAEcIc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAAAAASAAAAAEAAABIAAAAAVdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAMjAyMjowNTowMSAxNjoxNzoyOAAADJAAAAcAAAAEMDIyMZADAAIAAAAUAAARmJAEAAIAAAAUAAARrJEBAAcAAAAEAQIDAJKRAAIAAAADMzYAAJKSAAIAAAADMzYAAKAAAAcAAAAEMDEwMKABAAMAAAABAAEAAKACAAQAAAABAAAEIaADAAQAAAABAAAC6KQGAAMAAAABAAAAAOocAAcAAAgMAAAJjAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 전 UI의 결제 버튼 클릭  ③ 결제 시 사용할 포인트 입력  ⑤ 결제 | ② 추가 상품을 포함한 총 결제 금액 출력  ④ 사용할 포인트를 제외한 결제 금액 출력 |
| **Alternative Courses** | |
| - 사용 가능한 포인트가 3000점 미만일 때, 입력 시 “사용 가능한 포인트가 3000점 미만입니다” 출력  - 구입 금액의 1%를 포인트로 적립됨을 알리는 메시지 출력 | |

**(12) 판매 완료 상품 내역 조회**

- UI Screen Design

테이블이(가) 표시된 사진

자동 생성된 설명

테이블이(가) 표시된 사진

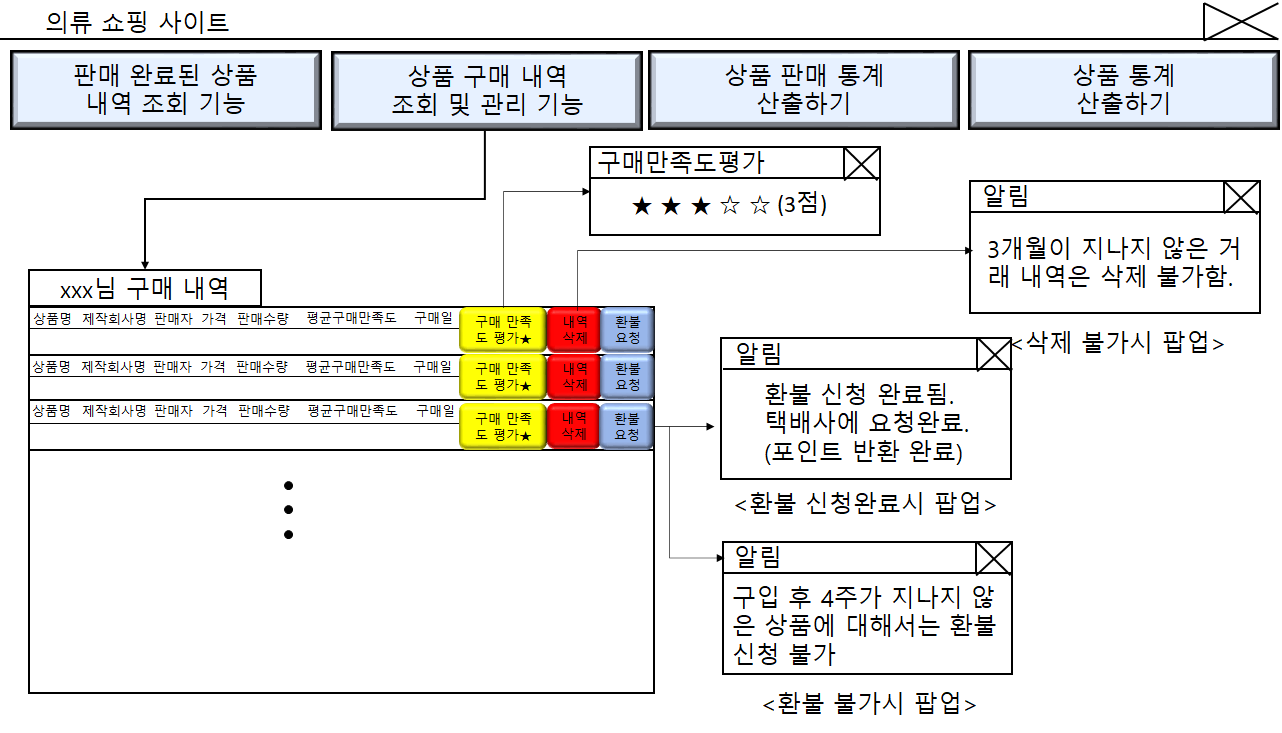
자동 생성된 설명

- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 판매자가 판매 완료된 상품 내역 조회 기능을 선택함. | ② 판매 완료된 상품 내역(상품명, 제작회사명, 가격, 판매된 수량, 평균 구매만족도)을 상품명의 오름차순으로 정렬하여 화면에 출력함. |
| **Alternative Courses** | |
| 없음 | |

**(13) 상품 구매 내역 조회 및 관리**

- UI Screen Design

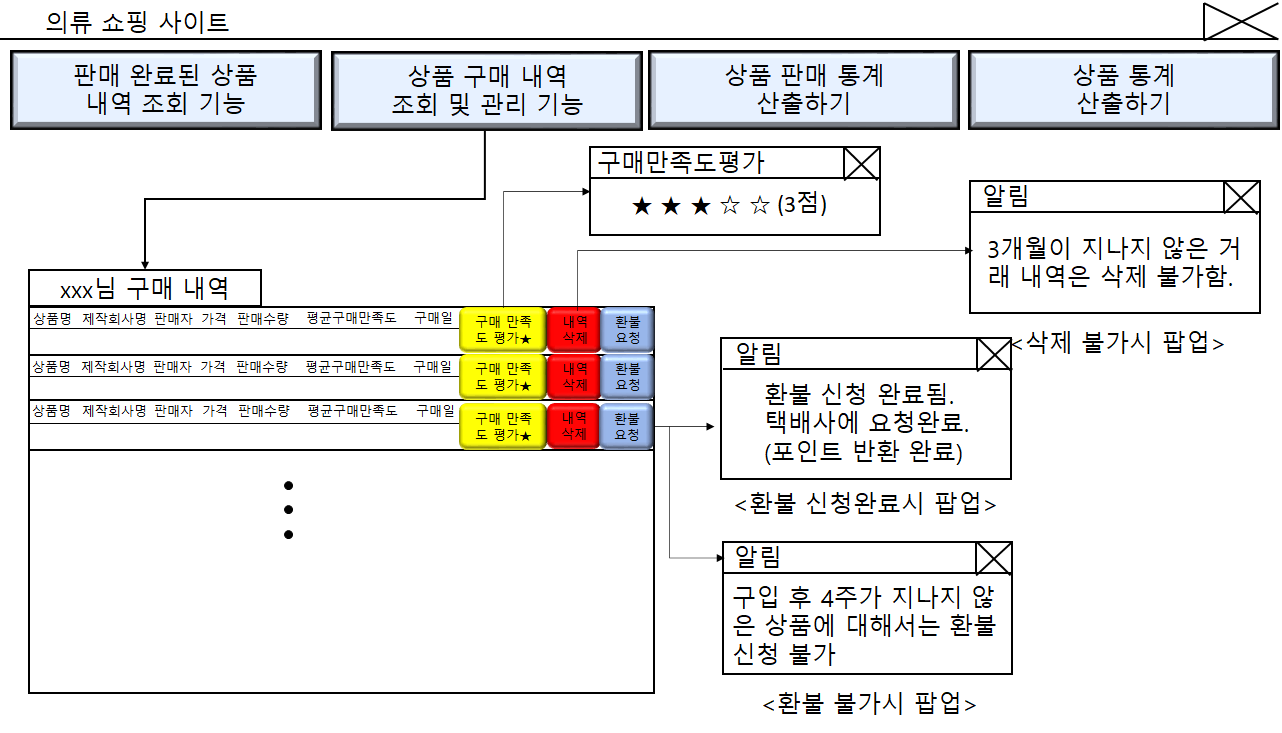


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 구매자가 상품 구매 내역 조회 및 관리 기능을 선택함.  ③ 조회된 구매 내역 중에서 하나의 상품에 대해 구매만족도 평가기능을 선택함.  ⑤ 구매만족도 평가 점수를 입력함.  ⑦ 조회된 구매 내역 중에서 하나의 상품에 대해 환불 신청을 함. | ② 상품 구매 내역(상품명, 제작회사명, 판매자, 가격, 평균 구매만족도, 구매일)을 상품명의 오름차순으로 정렬하여 화면에 출력.  ④ 구매만족도 평가에 대한 팝업창을 띄움.  ⑥ 구매자의 평가 점수를 평균 구매만족도에 반영한 구매 내역 정보를 출력함.  ⑧ 환불신청이 완료되어 택배사에 수거 요청을 했다는 알림 팝업과 포인트 반환이 완료되었다는 메시지 출력함. |
| **Alternative Courses** | |
| - 환불신청시, 시스템은 외부 택배사 시스템(Actor)에 수거 요청을 함.  - 구매자가 4주가 지난 상품에 대해 환불신청을 하면, 환불신청이 불가능하다는 알림 팝업을 띄움. | |

**(14) 상품 구매 내역 삭제**

- UI Screen Design

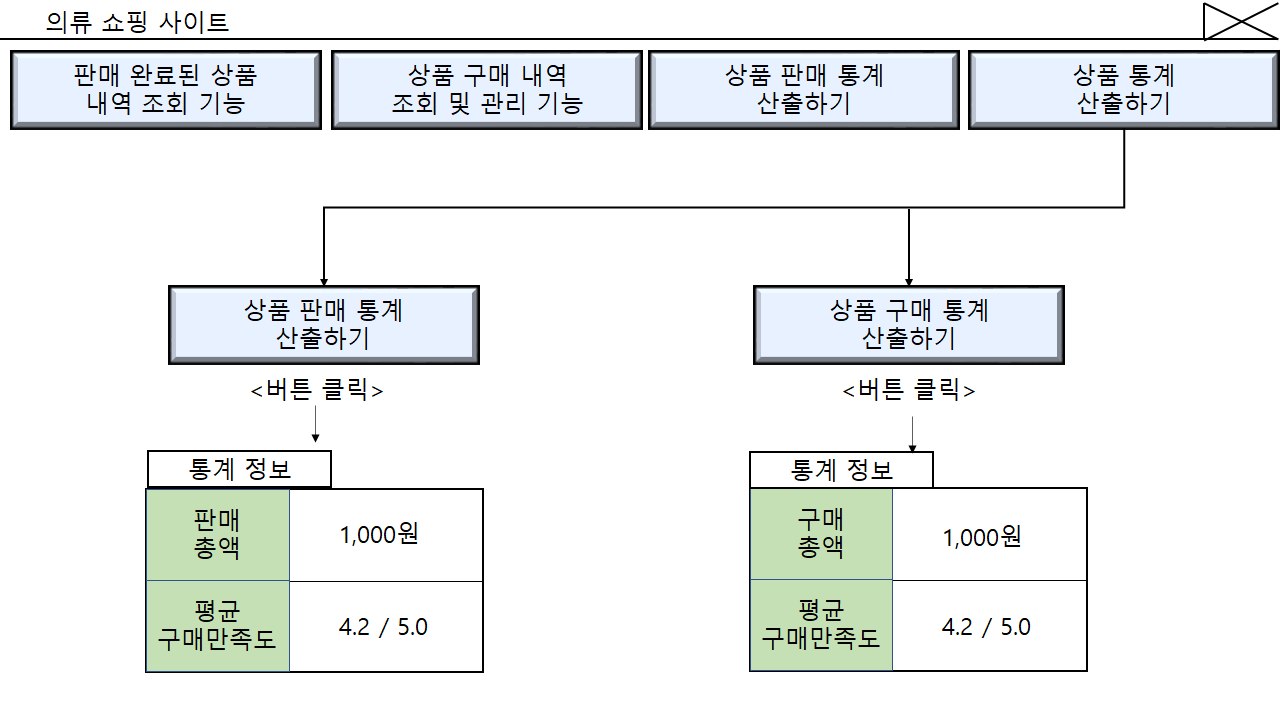


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 구매자가 상품 구매 내역 조회 및 관리 기능을 선택함.  ③ 조회된 구매내역 정보로부터 삭제하고자 하는 거래 내역을 선택함. | ② 상품 구매 내역(상품명, 제작회사명, 판매자, 가격, 평균, 구매만족도, 구매일)을 상품명의 오름차순으로 정렬하여 화면에 출력.  ④ 해당하는 거래 내역의 삭제가 반영된 상품 구매 내역 정보를 다시 화면에 출력함. |
| **Alternative Courses** | |
| -구매자가 3개월이 지나지 않은 거래내역은 임의로 삭제하려고 하면, 시스템은 삭제가 불가하다는 팝업 알림 띄움.  -6개월이 지난 거래내역이 있으면, 거래내역 삭제 이벤트(Actor)가 삭제 이벤트 발생시킴. | |

**(15) 상품 판매 통계 산출**

- UI Screen Design

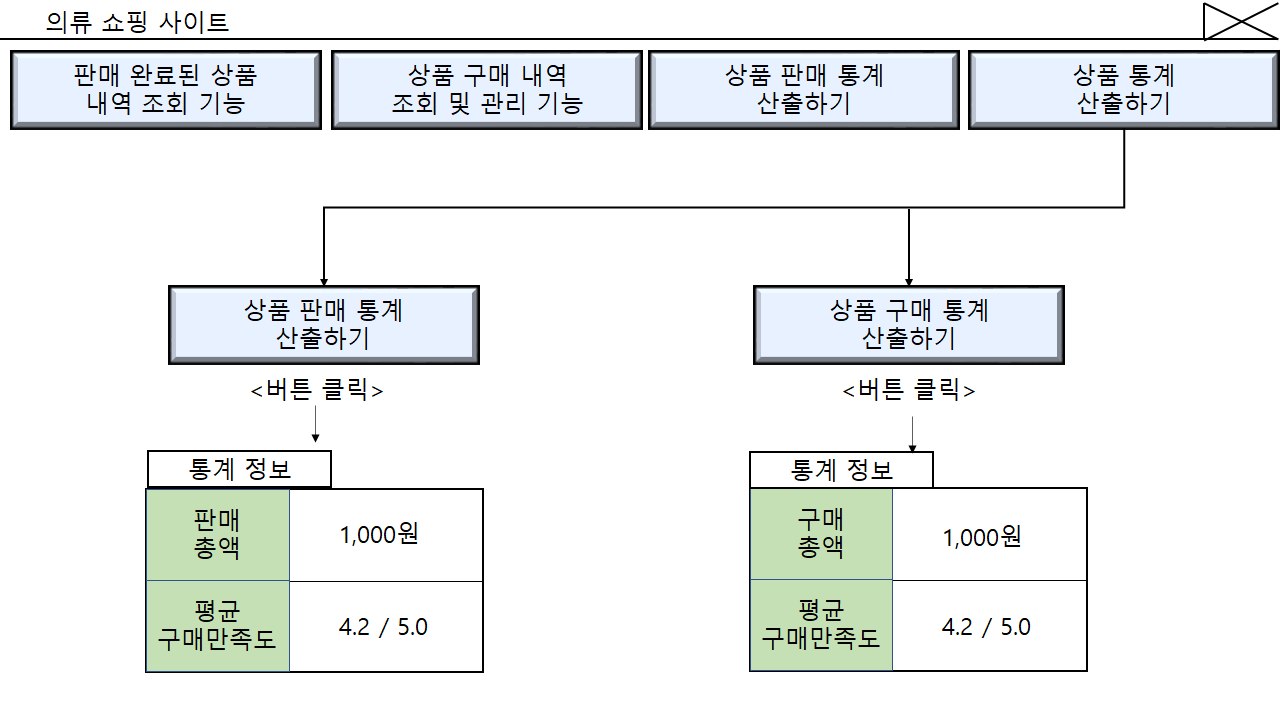


- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 판매자가 상품 판매 통계 산출 기능을 선택함. | ② 해당 판매자가 판매한 모든 상품에 대한 총액 및 평균 구매만족도에 대한 정보를 화면에 출력함. |
| **Alternative Courses** | |
| - 시스템은 매월 말일, 현재까지 판매한 모든 상품에 대한 통계 정보를 이메일로 공지 전송할 수 있도록 이메일 시스템(Actor)에 요청. | |

**(16) 상품 구매 통계 산출**

- UI Screen Design



- Use case Description

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| ① 구매자가 상품 구매 통계 산출 기능을 선택함. | ② 해당 구매자가 구매한 모든 상품에 대한 총액 및 평균 구매만족도에 대한 정보를 화면에 출력함. |
| **Alternative Courses** | |
| - 시스템은 매월 말일, 현재까지 구매한 모든 상품에 대한 통계 정보를 이메일로 공지 전송할 수 있도 록 이메일 시스템(Actor)에 요청. | |