**Usecase Description**

-회원가입

|  |  |
| --- | --- |
| Actor Action | System Response |
|  | 1. Displays the registration form. |
| 2. Enters ID, password, phone number, payment method, and preferred bike type. |  |
|  | 3. Displays a confirmation message, and redirects user to the login page. |

-탈퇴

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. Selects the “Delete Account” option. |  |
|  | 2. Displays a confirmation page for deleting account. |
| 3. Confirms and clicks the “Delete” button. |  |
|  | 4. Shows a deletion complete message to user and redirects to the login page. |

-로그인

|  |  |
| --- | --- |
| Actor Action | System Response |
|  | 1. Displays input fields for ID and PW. |
| 2. Enters ID and PW and click the “Login” button. |  |
|  | 3. Verifies input. If valid, redirects the user to the appropriate screen. If invalid, displays an error message. |

-로그아웃

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. Clicks the “Logout” button. |  |
|  | 2. Redirects to the login page. |

-대여소 등록

|  |  |
| --- | --- |
| Actor Action | System Response |
|  | 1. Displays the registration form for a new rental station. |
| 2. Enters the station name, city, address, maximum bike capacity, and operating hours. |  |
|  | 3. Displays a confirmation message and the registered station appears in the station list. |

-대여소 리스트 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. Displays list of all rental offices |
| Extensions | |
| After step 2, the manager deletes a rental office | |
| After step 2, the manager checks details of a rental office | |

-대여소 상세 내용 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. Displays details of the rental office |
| Alternative courses None. | |

-자전거 등록

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. Displays the items to be filled in |
| 3. Enters the information for the bike to be registered | 3. Presents a message confirming that bike have been registered |
| Alternative courses None | |

-자전거 리스트 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. Displays list of all bikes |
| Extensions | |
| After step 2, the manager deletes a bike | |
| After step 2, the manager checks details of a bike | |

-자전거 상세 내용 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. Displays details of the bike |
| Alternative courses None. | |

- 대여 시간 및 요금 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. 대여 시간 및 요금을 출력한다. |
| Alternative courses None. | |

- 이용 내역 조회

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. 과거 대여 기록을 날짜별로 출력한다. |
| Extensions | |
| 2. 이후 회원은 대여소별로 정렬할 수 있다. | |
| 2. 이후 회원은 과거 기록 중 특정 항목을 선택하여 삭제할 수 있다. | |

- 대여 정보 통계

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. 대여 정보를 반납 시간 기준 최근순으로 출력한다. |
| Extensions | |
| 2. 이후 관리자는 지역별로 전체 대여 정보를 정렬할 수 있다. | |

- 대여 금액 및 횟수 확인 통계

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1. None | 2. 대여 금액 및 횟수를 출력한다. |
| Extensions | |
| 2. 이후 관리자는 최근 1주일, 1개월, 1년 단위로 기간 단위를 변경하여 대여 금액 및 대여 횟수를 조회할 수 있다. | |