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| --- | --- | --- | --- |
| ID and name | CR-1: User registration | | |
| Primary actor | User | Secondary actors | Database |
| Description | At the opening of the app by a user, he can create a new account | | |
| Trigger | A user wants to create an account | | |
| Preconditions | None | | |
| Postconditions | POST-1: An account is created for the user | | |
| Normal flow | 1. User enters a username and a password.   1’. The system creates account for the user | | |
| Alternative flows | - | | |
| Exceptions | **E1. The username and password don’t respect the conditions**  System shows a message to inform the user that the given data was wrong. | | |

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| --- | --- | --- | --- |
| ID and name | CA-1: User authentication | | |
| Primary actor | User | Secondary actors | Database |
| Description | At the opening of the app by a user, he must introduce his personal information associated to his account to get access at his account. | | |
| Trigger | A user wants to enter in his account | | |
| Preconditions | PRE-1: User must have a previously created account | | |
| Postconditions | POST-1: User is connected in his account. | | |
| Normal flow | **Enter in account:**   1. User introduces his username and password   1’. System guarantees access to the account | | |
| Alternative flows | - | | |
| Exceptions | **E1. The username and password don’t match with any account:**  System shows a message to inform the user that the given data was wrong | | |

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| --- | --- | --- | --- |
| ID and name | SR-1: Seat reservation | | |
| Primary actor | User | Secondary actors | Database |
| Description | After logging in account, user will see a window with all the seats available in the cinema room. Every seat will have a color. The taken (occupied) seats will be displayed with red color and the free seats with green color. The user will click on the free seats which he wants to reserve. The user will able be to see the total price for the selected seats. For the confirmation of the purchase, the user will press on the button “Reserve”. The other users’ windows will be display an updated version of the cinema room with the just bough seats being red. | | |
| Trigger | A user wants to reserve one or more seats at the movie | | |
| Preconditions | PRE-1: User must be successfully connected in his account  PRE-2: The cinema room must not be at full capacity | | |
| Postconditions | POST-1: User will have a reservation for the selected seats  POST-2: The reserved seats will be displayed as occupied (with red color) for every other user | | |
| Normal flow | **Reserve one or more seats:**   1. User will select the wanted seats (from the free seats).   1’. System will color the selected seats with orange  2’. System will display the price for the purchase   1. User will confirm the selected seats using the ‘Reserve’ button   2’. System will reserve the confirmed seats for the user  3’. System will display the reserved seats being occupied (with red color) | | |
| Alternative flows | **Reserve with an option for using discount:**  2’a. System will display the full price and the price with discount.   1. User will be able to choose to use discount pressing on a button   It will continue with the normal flow | | |
| Exceptions | **E1. The cinema room is full.**  System will not permit to user to buy tickets. | | |