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| **User Task** | | Movie Management | | |
| Purpose (Goal) | | Users manage movies and corresponding performer data of a movie collection. | | |
| Frequency | | Often and at any time (depending on the user’s needs) | | |
| Actors | | User who wants to manage movies | | |
|  | | | | |
| **Sub-tasks:** | | | | **Example of solution:** |
| **1** | **Describe a movie**  Create and describe a movie with typical data like its title, releases, production locations, runtime, filming locations, and performers. Or change an existing description. Undo unwanted changes. View movies (possibly sorted and/or filtered) and movie details. Or search for Movies. | | Provide default values wherever possible, implemented in *Change Movie Detail Data*, *List Movies*, *Create Movie*, *Sort/Filter Movies*, *Undo Movie Changes*, *Show Movie Details*, *Search*, *Save Movie Detail Data Changes*, *Link Existing Performer* and *Link New Performer+++* | |
| **1ap** | **Remove movie**  **Problems:** Removing all movies a certain performer participates in might result in performers not associated with movies. | | Ensure the consistency of performers and movies when movies are removed, implemented in function *R*emove Movie | |
| **1bp** | **Remove the link between a performer and movie**  **Problems:** Removing a link can result in a performer not associated with any movies. | | Ensure the consistency of performers and movies when links are removed, implemented in function *Unlink Performer* | |
| **2** | **Describe a performer**  Create and describe a performer with typical data like name, biography, occupation, date of birth, and movies s/he is featuring in. Or change an existing description. Undo unwanted changes. Or view performers (possibly filtered and sorted) and performer details. | | Provide default values wherever possible, implemented in *Change Performer Detail Data*, *List Performers*, *Sort/Filter Performers*, *Undo Performer Changes*, *Show Performer Details*, *Search*, *Save Performer Detail Data Changes*, *Link New Movie* and *Link Existing Movie*. | |
| **2ap** | **Link performer to movie**  **Problems:** Creating a performer without linking her/him to a movie leads to performers not associated with any movies. | | Ensure the consistency of performers and movies when creating a performer, implemented in function Create Performer | |
| **2bp** | **Remove the link between a performer and movie**  **Problems:** Removing a link can result in a performer not associated with any movies. | | Ensure the consistency of performers and movies when links are removed, implemented in function *Unlink Movie* | |
| **2c** | **Remove performer**  Removes a performer. | | Implemented in function Remove Performer | |
| **3** | **Manage watched Movies**  Record date when the movie was last watched.  Problem:  cant be set if movie is rented | | Implemented in function *Watch Movie* | |
| **4** | **Rate Movie or Performer**  Rate or view ratings (sorted). | | Provide a fixed rating value list. Implemented in functions *Rate Movie*, *Rate Performer*, *Calculate Overall Rating, Sort/Filter Movies* and *Sort/Filter Performers* | |
| **5** | **Lend Movie**  Rent a Movie with a user-choosen return time  Problems:  Cant rent a rented Movie  Date cant be in the past | | The Movie is now in the rent catogorie with the return time | |
| **5a** | **Mark Movie as returned** | | The Movie is now not rented anymore, can be rented again | |
| **5b** | **Change return time**  problmes:  Date cant be in the past | | The Movie has now the new return time | |
| **5c** | **Show rented movies**  user can sort by return date | | Provides a list of movie sorted by return date  and highlights movie with a return date in the past | |