DevOPs Studio  
Use Case Document

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# Client

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# List of Use cAses

These use cases have been identified from the System Functionality document.

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case | | R1.1 Add a User | |
| Actors | | Admin User | |
| Overview | | Only an administrator must be able to add a user to the system. | |
| Cross Reference | | After the login screen the user is presented with a list of books he has borrowed already and then R.1.7. | |
| Action | |  | **System Response** |
| 1 | A user must logon to the system | 2 | The system must confirm that the user is an admin user  and present them with a user capture screen |
| 3 | The user then adds their details, phone number, email or address.  which will include the user type(admin, capturer or standard user) and press’s enter to confirm | 4 | The system then prompts him to ask if he is happy with the information entered |
| 5 | The user then confirms the entry | 6 | The system stores the user into a user catalogue returns to the main screen |
| Alternatives – for steps | | | |
| 1 | If the user is not an administrator his logon must be ignored | 2 | |
| 2 | If the doesn’t provide one of the following phone number, email address or physical address he will then be asked an error will be displayed to input the compulsory field | 3 | |
| 3 | If invalid characters i.e. numbers or characters other than alphabetic are entered. The user is prompted to enter the data again. |  | |
| 4 | If there is a duplicate user already on the system the user will be prompted with a message to choose another user name. | 5 | |

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| Use Case | | R1.2 Change Password | |
| Actors | | User | |
| Overview | | Any user may change their own password | |
| Cross Reference | | R1.2.1 Retrieve user details | |
| Action | |  | **System Response** |
| 1 | From the main menu a user must click on the change password icon | 2 | The system must retrieve a users existing user name and password. |
|  |  | 3 | It will also then present the user with an option to enter the old password and 2 more fields to type in the new password |
| 4 | The user keys in the passwords and presses enter | 5 | If the passwords are correct the system sends a confirmation message that the entries are captured correctly. |
| Alternatives – for steps | | | |
| 1 | If the passwords don’t agree we go to ask the user to re-enter the password | 5 | |
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| Use Case | | R1.2.1 Retrieve User Details | |
| Actors | | User | |
| Overview | |  | |
| Cross Reference | | Used by change password R1.2, Delete user R1.2.2, Edit User details R1.2.3 and add user R1.1 | |
| Action | |  | **System Response** |
|  |  | 1 | The user name is provided to the system |
|  |  | 2 | The users details are retrieved |
| Alternatives – for steps | | | |
| 3 | The user details that are retrieve will |  | |
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| --- | --- | --- | --- |
| Use Case | | R1.2.2 Edit User Details | |
| Actors | | User | |
| Overview | | Any user may change their own details | |
| Cross Reference | | R1.2.1 Retrieve user details | |
| Action | |  | **System Response** |
| 1 | From the main menu a user must choose the edit user detail option | 2 | The system must retrieve a users existing user detais |
|  |  | 3 | It will also then present the users details:  First name, surname, phone number  email address and physical address |
| 4 | The user the edit the appropriate user details for editing | 5 | The user details are then represented for confirmation |
| 6 | The user confirms that the edited details |  |  |
| Alternatives – for steps | | | |
| 1 | If the data doesn’t confirm to the validation rules he will be prompted to enter them again | 3 | |
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| Use Case | | R1.3 Add Media | |
| Actors | | Admin User | |
| Overview | | Add media by admin only | |
| Cross Reference | | Login , R1.3.1 Add DVD , R1.3.2 Add game and R1.3.3 Add CD | |
| Action | |  | **System Response** |
|  |  | 1 | If the user is not an admin user then he will not be presented with menu option |
| 2 | From the main menu a user must click the add DVD/CD/Game button. | 3 | A details input screen is presented for keying Media data, that includes the title of the media , duration of media and genre |
|  |  | 4 | All the data is presented to the user for acceptance |
| 5 | The user accepts the input keyed in | 6 | ?? |
| Alternatives – for steps | | | |
| 1 | If any of the data is not accepted the user must rekeyed in the data | 5 | |
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| Use Case | | R1.3.3 Add CDs | |
| Actors | | Admin User | |
| Overview | | Add media | |
| Cross Reference | | R1.2.1 Retrieve user details | |
| Action | |  | **System Response** |
| 1 | In addition to adding media specific details. The user keys in the Number of tracks, artist, the title of the track and duration of each | 2 | The system validates all the data entered |
|  |  | 3 | It presents and asks the user if the data they have entered is acceptable |
| 4 | The user must accept the data they have entered | 5 | The data is then committed to the database or array list |
| Alternatives – for steps | | | |
| 1 | If the data is not accepted the user will be prompted to enter the correct data | 4 | |

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| Use Case | | 1. R1.4.2 Edit CD | |
| Actors | | Admin User | |
| Overview | | Add media | |
| Cross Reference | | R1.2.1 | |
| Action | |  | **System Response** |
| 1 | The user clicks on the Add | 2 | The system validates all the data entered |
|  |  | 3 | It presents and asks the user if the data they have entered is acceptable |
| 4 | The user must accept the data they have entered | 5 | The data is then committed to the database or array list |
| Alternatives – for steps | | | |
| 1 | If the data is not accepted the user will be prompted to enter the correct data | 4 | |
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| --- | --- | --- | --- |
| Use Case | | R1.6 Search CD | |
| Actors | | User | |
| Overview | | Search media | |
| Cross Reference | | R1.2.1 Retrieve user details | |
| Action | |  | **System Response** |
| 1 | In addition to adding media specific details. The user keys in the title of the track, name of CD or Album | 2 | The system validates all the data entered |
|  |  | 3 | It displays the CD searched for |
| 4 | The user then presses enter to return to the main menu |  |  |
| Alternatives – for steps | | | |
| 1 | If the data input is not valid an error is displayed | 2 | |
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| Use Case | | R1.7 List all borrowed media | |
| Actors | | User | |
| Overview | | List all the borrowed CDs in the users catalog, allowed by any user | |
| Cross Reference | | Login R1.1 | |
| Action | |  | **System Response** |
| 1 | The user clicks on the list borrowed media menu from the main menu | 2 | The list borrowed is then displayed, along with the borrowed date, Title and media type |
| 3 | The user views the data and presses the enter key when he wants to return to the main menu |  |  |
|  |  |  |  |
| Alternatives – for steps | | | |
| 1 | If there is nothing borrowed “You haven’t borrowed data is returned” | 2 | |
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| Use Case | | R1.8 Lend Media | |
| Actors | | User | |
| Overview | | Allowed users to borrow media registered users | |
| Cross Reference | | R1.2.1 Retrieve user details | |
| Action | |  | **System Response** |
| 1 | Any user can borrow a specific media after having searched for their CD | 2 | The user will be asked if the CD is for them |
| 4 | The user types in the borrowers name | 3 | If the CD is not for them then the user will be asked for the borrowers username |
| 6 | The user then lends or borrows the CD physically | 5 | The system then adds the users borrowing to the borrowed/lent listing |
| Alternatives – for steps | | | |
| 1 | If the username is invalid an error is displayed | 3 | |
| 2 | If the CD doesn’t exist an error is displayed | 1 | |
| 3 | If the user is not an admin, he is not asked for a borrowers username. It assumes that they will be doing the borrowing. |  | |
| 4 | If the user has borrowed the book already don’t allow them to borrow the book and put out a message “Book is lent out” |  | |
| 5 | If the book is not available , i.e no Copies are found then the copy. “Book is lent out” must be displayed. |  | |

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| Use Case | | R1.9 A user inputs their favourite genre of music, game or DVD | |
| Actors | | User | |
| Overview | | After registering username or selection from a menu a user chooses their favourite genre of music | |
| Cross Reference | | R1.1 login | |
| Action | |  | **System Response** |
| 1 | A user is selects add their favorite genres | 2 | They are then presented with an input for genres of CDS , DVD or games |
| 4 | The user selects the appropriate values | 4 | The system then commits the data to the users favorites list |
|  |  |  |  |
| Alternatives – for steps | | | |
| 1 | If the genres don’t exist an error message is displayed |  | |
| 2 | If the CD doesn’t exist an error is displayed | 1 | |
|  |  |  | |

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| --- | --- | --- | --- |
| Use Case | | R1.10 A listing of the users favourite media available for rental is displayed | |
| Actors | | User | |
| Overview | | The favourites available for rental are displayed from the media catalogue | |
| Cross Reference | | R1.1 login | |
| Action | |  | **System Response** |
| 1 | A user selects list the favorite movies that are available for me to rent | 2 | The system then retrieves this information using the users favorite genres |
|  |  | 3 | The available CD’s , Games and media are displayed |
|  |  |  |  |
| Alternatives – for steps | | | |
| 1 | If the favorites are unknown “please input the favorites is displayed. |  | |
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| Use Case | | R1.11 Return borrowed Media | |
| Actors | | User | |
| Overview | | A user returns any borrowed media | |
| Cross Reference | | R1.1 login , R1.7 find the borrowed media | |
| Action | |  | **System Response** |
| 1 | The user chooses return media | 2 | The system 1st lists the media to be outstanding in a numbered format. |
|  |  | 3 | The available CD’s , Games and media are displayed |
|  |  |  |  |
| Alternatives – for steps | | | |
| 1 | If the favorites are unknown “please input the favorites is displayed. |  | |
|  |  |  | |

# Approval and Authority to Proceed

We approve the project as described above, and authorize the team to proceed.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Title | Signature of Approver | Date |
| Kaiden Naicker | Client |  |  |
| Losh Naicker | Dev Studio Developer |  |  |