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Final project user’s manual

C #

1. **set up**
2. startup both the DVD client and DVD server programs located in the final projects files folder under their respectable folder names. Make sure to start the server first
3. once the client is started the user should see the following on the screen
4. Welcome to DVD collection program. Please select an option from the menu below.

Add DVD Press 1

Update DVD Press 2

Delete or Undo DVD Press 3

Search for DVD Press 4

Select DVD Press 5

Exit Press 6

Choice:

1. if the user enters one for the choice they will be taken to the add menu
2. if two is entered the user will be taken to the update menu
3. if three is entered the user will be taken to the delete or undo menu
4. if four is entered the user will be taken to the search menu
5. if five is entered the user will be taken to the select menu
6. if six is entered the program will shut down
7. if anything but the six values are entered the menu will be displayed again
8. **add menu**
9. once the user accesses the add menu from the main menu they should see the following screen
10. Add Menu.

Add Full DVD Press 1

Add Title Press 2

Back to Main Menu Press 3

Choice:

1. if the user enters one they will be required to add all the information about the DVD
2. if the user enters two they will only be required to add the title of the DVD
3. if they enter three they will be taken back to the main menu shown above
4. if anything else is entered the menu will be shown again

**Warning: make sure at this point the server program is on or else the program will not work**

2.1 add all

1. once the user accesses the add full DVD option they will see the following
2. Add all DVD information

View Genre Category List? (Y/N) :

1. by pressing y (yes)
2. the user will see a screen with genre category list on the top (see genre category list)
3. by pressing n (no)
4. the user will start entering information about DVD into the program
5. this information includes DVD title, first leading actors name (first and last separated) second leading actors name (first and last separated), name of the production company that produced the DVD running the genre code number (this number corresponds to the genre category of the DVD which is found in the general category list) time length of the DVD (in minutes) and the type of DVD (DVD, Blu-ray or unknown)
6. DVD title through production company are all normal text fields. Genre code number and runtime are both integers and DVD type is a single character field
7. all of these values have a maximum length or set of values that the (see field definitions) if the user does not enter the correct information the program will input the default information in that field.
8. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
9. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
10. by pressing y (yes) the user has confirmed all the information is correct
11. by pressing n (no) the process will start over
12. if the information was successfully added the user will get back this message
13. DVD was added with an ID of [value]. Where value is the ID number of the DVD
14. if an error occurred the user will get this message
15. Could not add DVD please try again
16. then the user will be asked if they would like to add another DVD.
17. If they press y (yes) the process will start over
18. if they press n (no) they will be taken back to the add menu

2.2 add title

1. once the user accesses the add DVD title option they will see the following
2. Add DVD Title
3. the user will start entering information about DVD into the program
4. this information is the DVD title (to have the other fields use the add all information option above)
5. DVD title is a text field that has a minimum value and a maximum value. (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully added the user will get back this message
11. DVD was added with an ID of [value]. Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not add DVD please try again
14. then the user will be asked if they would like to add another DVD title .
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the add menu
17. **update menu**
18. once the user accesses the update menu from the main menu they should see the following screen
19. Update Menu.

Update Full DVD Press 1

Update Title Press 2

Update First Actor's Name Press 3

Update Second Actor's Name Press 4

Update Production Company Press 5

Update Genre Press 6

Update Running Time Press 7

Update Type Press 8

Back to Main Menu Press 9

Choice:

1. if the user enters one they will be required to update all the information about the DVD
2. if the user enters two they will only be required to update the title of the DVD
3. if the user enters three they will only be required to update the first actors name of the DVD
4. if the user enters four they will only be required to update the second actors name of the DVD
5. if the user enters five they will only be required to update the production company name of the DVD
6. if the user enters six they will only be required to update the genre code number of the DVD
7. if the user enters seven they will only be required to update running time of the DVD
8. if the user enters eight they will only be required to update the DVD type
9. if they enter nine they will be taken back to the main menu shown above
10. if anything else is entered the menu will be shown again

**Warning: make sure at this point the server program is on or else the program will not work**

3.1 update all

1. once the user accesses the update full DVD option they will see the following
2. Update all DVD information

View Genre Category List? (Y/N) :

1. by pressing y (yes)
2. the user will see a screen with genre category list on the top (see genre category list)
3. by pressing n (no)
4. the user will start entering information about DVD into the program
5. this information includes the ID number DVD title, first leading actors name (first and last separated) second leading actors name (first and last separated), name of the production company that produced the DVD running the genre code number (this number corresponds to the genre category of the DVD which is found in the general category list) time length of the DVD (in minutes) and the type of DVD (DVD, Blu-ray or unknown)
6. DVD ID through production company are all normal text fields. However, the ID must be a number. Genre code number and runtime are both integers and DVD type is a single character field
7. all of these values have a maximum length or set of values that the (see field definitions) if the user does not enter the correct information the program will input the default information in that field.
8. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
9. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
10. by pressing y (yes) the user has confirmed all the information is correct
11. by pressing n (no) the process will start over
12. if the information was successfully updated the user will get back this message
13. DVD ID of [value] updated Where value is the ID number of the DVD
14. if an error occurred the user will get this message
15. Could not update DVD please try again
16. then the user will be asked if they would like to update another DVD.
17. If they press y (yes) the process will start over
18. if they press n (no) they will be taken back to the update menu

3. 2 update title

1. once the user accesses the update DVD title option they will see the following
2. Update DVD Title
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and the DVD title (to have the other fields use the update all information option above)
5. DVD ID and DVD title are both text fields that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] title updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD title please try again
14. then the user will be asked if they would like to update another DVD title.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu

3. 3 update actor 1

1. once the user accesses the update first actor's name they option will see the following
2. Update DVD First Actor
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and the first actors first name and last name separately (to have the other fields use the update all information option above)
5. DVD ID and first name and last name are both text fields that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] actor 1 updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD actor 1 please try again
14. then the user will be asked if they would like to update another DVD First Actor.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu

3. 4 update actor 2

1. once the user accesses the update first actor's name they option will see the following
2. Update DVD Second Actor
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and the second actors first name and last name separately (to have the other fields use the update all information option above)
5. DVD ID and first name and last name are both text fields that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] actor 2 updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD actor 2 please try again
14. then the user will be asked if they would like to update another DVD Second Actor.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu

3. 5. Update company

1. once the user accesses the update production company option they will see the following
2. Update DVD Production Company
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and DVD production company name (to have the other fields use the update all information option above)
5. DVD ID and Production Company are both text fields that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] production company updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD production company please try again
14. then the user will be asked if they would like to update another DVD production company
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu

3 .6 Update genre code

1. once the user accesses the update genre option they will see the following
2. Update genre DVD information

View Genre Category List? (Y/N) :

1. by pressing y (yes)
2. the user will see a screen with genre category list on the top (see genre category list)
3. by pressing n (no)
4. the user will start entering information about DVD into the program
5. this information is the DVD ID and DVD genre code number (to have the other fields use the update all information option above)
6. DVD ID of the text field and genre code is an integer field that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
7. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
8. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
9. by pressing y (yes) the user has confirmed all the information is correct
10. by pressing n (no) the process will start over
11. if the information was successfully updated the user will get back this message
12. DVD ID of [value] genre code updated Where value is the ID number of the DVD
13. if an error occurred the user will get this message
14. Could not update DVD genre code please try again
15. then the user will be asked if they would like to update another DVD genre code number
16. If they press y (yes) the process will start over
17. if they press n (no) they will be taken back to the update menu

3.7 Update runtime

1. once the user accesses the update runtime option they will see the following
2. Update DVD Runtime
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and DVD runtime (to have the other fields use the update all information option above)
5. DVD ID of the text field and runtime is an integer field that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] runtime updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD runtime please try again
14. then the user will be asked if they would like to update another DVD runtime
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu

3.8 update type

1. once the user accesses the update type option they will see the following
2. Update DVD Type
3. the user will start entering information about DVD into the program
4. this information is the DVD ID and DVD type (to have the other fields use the update all information option above)
5. DVD ID of the text field and type is a character field that have a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully updated the user will get back this message
11. DVD ID of [value] type updated Where value is the ID number of the DVD
12. if an error occurred the user will get this message
13. Could not update DVD type please try again
14. then the user will be asked if they would like to update another DVD type.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the update menu
17. **delete and undo menu**
18. once the user accesses the delete menu from the main menu they should see the following screen
19. Delete & Undo Menu.

Temporary Delete Press 1

Permanently Delete Press 2

Undo Deletion Press 3

Back to Main Menu Press 4

Choice:

1. if the user enters one they will be temporary deleting a DVD
2. if the user enters two they will be removing a DVD from the program
3. if the user enters three they will be undoing a temporary deletion
4. if they enter four they will be taken back to the main menu
5. if anything else is entered the menu will be shown again

**Warning: make sure at this point the server program is on or else the program will not work**

**Note: in order to purge a DVD from the system it must first be temporary deleted**

4.1 temporary delete

1. once the user accesses the temporary delete option they will see the following
2. temporary delete DVD
3. the user will start entering information about DVD into the program
4. this information is the DVD ID. DVD ID is a text field that has a minimum value and a maximum value. However DVD ID must be a number (See field definitions). If the user does not enter the correct information the program will input the default information in that field.
5. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field.
6. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
7. by pressing y (yes) the user has confirmed all the information is correct
8. by pressing n (no) the process will start over
9. if the DVD was successfully temporary deleted the user will get back this message
10. DVD ID of [value] deleted. Where value is the ID number of the DVD.
11. if an error occurred the user will get this message.
12. Could not delete DVD. Please try again
13. then the user will be asked if they would like to delete a another DVD
14. If they press y (yes) the process will start over
15. if they press n (no) they will be taken back to the delete and undo menu

4.2 Purge Delete

1. once the user accesses the temporary delete option they will see the following
2. Purge DVD
3. the user will start entering information about DVD into the program
4. this information is the DVD ID. DVD ID is a text field that has a minimum value and a maximum value. However DVD ID must be a number (See field definitions). If the user does not enter the correct information the program will input the default information in that field.
5. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field.
6. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct. It will also remind them that purging a DVD will remove it completely from the system.
7. by pressing y (yes) the user has confirmed all the information is correct
8. by pressing n (no) the process will start over
9. if the DVD was successfully purged the user will get back this message
10. DVD ID of [value] purged. Where value is the ID number of the DVD.
11. if an error occurred the user will get this message.
12. Could not purged DVD. Please try again
13. then the user will be asked if they would like to purge a another DVD
14. If they press y (yes) the process will start over
15. if they press n (no) they will be taken back to the delete and undo menu

**Note: To Purge a DVD a temporary delete must happen first on the DVD**

4.3 Undo Deletion

1. once the user accesses the undo deletion option they will see the following
2. Undo Deletion
3. the user will start entering information about DVD into the program
4. this information is the DVD ID. DVD ID is a text field that has a minimum value and a maximum value. However DVD ID must be a number (See field definitions). If the user does not enter the correct information the program will input the default information in that field.
5. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field.
6. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
7. By pressing y (yes) the user has confirmed all the information is correct
8. by pressing n (no) the process will start over
9. if the DVD was successfully recovered the user will get back this message
10. DVD ID of [value] recovered. Where value is the ID number of the DVD.
11. if an error occurred the user will get this message.
12. Could not recover DVD. Please try again
13. then the user will be asked if they would like to recover a another DVD
14. If they press y (yes) the process will start over
15. if they press n (no) they will be taken back to the delete and undo menu
16. **search menu**
17. once the user accesses the search menu from the main menu they should see the following screen

Search Menu.

Search by Title Press 1

Search by First Actor Press 2

Search by Second Actor Press 3

Search by Production Company Press 4

Search by Genre Press 5

Search by Runtime Press 6

Search by Type Press 7

Search by Status Press 8

Back to Main Menu Press 9

Choice:

1. if the user enters one they will be searching for a DVD by title
2. if the user enters two they will be searching for a DVD by the first actor's name
3. if the user enters three they will be searching for a DVD by the second actor's name
4. if the user enters four they will be searching for a DVD by the production company name DVD
5. if the user enters five they will be searching for a DVD by the genre code
6. if the user enters six they will be searching for a DVD by runtime
7. if the user enters seven they will be searching for a DVD by the type
8. if the user enters eight they be searching for a DVD by the status
9. if they enter nine they will be taken back to the main menu
10. if anything else is entered the menu will be shown again

**Warning: make sure at this point the server program is on or else the program will not work**

5.1 title search

1. once the user accesses the search by title option they will see the following
2. search by title
3. the user will start entering information about DVD into the program
4. this information is the DVD title
5. DVD title that has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the titles in the database that have that name or that are close to that name
8. the information will display the ID number and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by title
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.2 actor 1 search

1. once the user accesses the search by title option they will see the following
2. search by first actor
3. the user will start entering information about DVD into the program
4. this information is the actor's last name
5. the actor's last name that has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the last names for the actor that are in the database that have that last name or that are close to that last name
8. the information will display the Firstname and last name of the actor and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by first actor
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.3 actor 2 search

1. once the user accesses the search by title option they will see the following
2. search by second actor
3. the user will start entering information about DVD into the program
4. this information is the actor's last name
5. the actor's last name that has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the last names for the actor that are in the database that have that last name or that are close to that last name
8. the information will display the Firstname and last name of the actor and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by second actor
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.4 Production Company Search

1. once the user accesses the search by title option they will see the following
2. search by production company
3. the user will start entering information about DVD into the program
4. this information is the name of the production company
5. the Production Company has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the production company names for the production company that are in the database that have that company name or that are close to that company name
8. the information will display the production company name and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by production company
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.5 genre code search

1. once the user accesses the search by genre option they will see the following
2. search by genre code number

View Genre Category List? (Y/N) :

1. by pressing y (yes)
2. the user will see a screen with genre category list on the top (see genre category list)
3. by pressing n (no)
4. the user will start entering information about DVD into the program
5. this information is the genre code number of the DVD
6. the genre code number has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field. For the genre code number the user must enter an integer
7. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
8. once the user has entered the desired information. The program will come back with all the genre category that exactly match what the user entered based on the code number
9. the information will display the genre category and the title of the DVD in their own columns on the screen.
10. If there is no information that matches the user request the columns will come back empty
11. Once the information has been displayed. The user will be asked if they wanted to do another search by genre code number
12. If they press y (yes) the process will start over
13. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.6 runtime search

1. once the user accesses the search by runtime option they will see the following
2. search by runtime
3. the user will start entering information about DVD into the program
4. this information is the runtime of the DVD
5. runtime has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field. For the runtime the user must enter an integer
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the runtimes that exactly match what the user entered
8. the information will display the runtimes and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by runtime
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.7 type search

1. once the user accesses the search by type option they will see the following
2. search by type
3. the user will start entering information about DVD into the program
4. this information is the type of DVD
5. the the type has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field. For the type user must enter a character
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the DVDs that exactly match what the user based on the type
8. the information will display the type and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by type
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

5.8 status search

1. once the user accesses the search by type option they will see the following
2. search by status
3. the user will start entering information about DVD into the program
4. this information is the status of DVD
5. the status has a minimum value and a maximum value. (See field definitions) if the user does not enter the correct information the program will input the default information in that field. For the status user must enter a character
6. The user will navigate the input functionality by using the keyboard. Enter will take the user to the next entry field
7. once the user has entered the desired information. The program will come back with all the DVDs that exactly match what the user based on the status
8. the information will display the status, DVD ID and the title of the DVD in their own columns on the screen.
9. If there is no information that matches the user request the columns will come back empty
10. Once the information has been displayed. The user will be asked if they wanted to do another search by type
11. If they press y (yes) the process will start over
12. if they press n (no) they will be taken back to the search menu

**Note: when searching the user must enter something into the search field if nothing is entered the process will start over**

1. **select menu**
2. once the user accesses the select menu from the main menu they should see the following screen
3. Select Menu.

Select DVD by ID Press 1

Select DVD by Title Press 2

Back to Main Menu Press 3

Choice:

3. if the user enters one they will be able to select the DVD by the ID

4. if the user enters two they will be able to select a DVD by the title

5. if they enter three they will be taken back to the main menu

6. if anything else is entered the menu will be shown again

**Warning: make sure at this point the server program is on or else the program will not work**

6.1 select ID

1. once the user accesses the select DVD by ID option they will see the following
2. select DVD ID
3. the user will start entering information about DVD into the program
4. this information is the ID of DVD
5. DVD ID is a text field that has a minimum value and a maximum value. However DVD ID must be a number (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully selected the user will get back this information
11. the DVD ID, the DVD title, the first and last name of the first leading actor, the first and last name on the second leading actor, the genre code number and category of the DVD, the runtime, the type and the status of DVD
12. if an error occurred the user will get this message.
13. Could not find requested information please try again
14. then the user will be asked if they would like to select another DVD by ID.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the select menu

6.2 select title

1. once the user accesses the select DVD by title option they will see the following
2. select DVD title
3. the user will start entering information about DVD into the program
4. this information is the title of the DVD
5. the title is a text field that has a minimum value and a maximum value. (See field definitions) ) if the user does not enter the correct information the program will input the default information in that field.
6. The user will navigate the input functionality by using the keyboard enter will take the user to the next entry field
7. Once the user has completed entering the information it will be displayed to them and they will be asked if it is correct.
8. by pressing y (yes) the user has confirmed all the information is correct
9. by pressing n (no) the process will start over
10. if the information was successfully selected the user will get back this information
11. the DVD ID, the DVD title, the first and last name of the first leading actor, the first and last name on the second leading actor, the genre code number and category of the DVD, the runtime, the type and the status of DVD
12. if an error occurred the user will get this message.
13. Could not find requested information please try again
14. then the user will be asked if they would like to select another DVD by title.
15. If they press y (yes) the process will start over
16. if they press n (no) they will be taken back to the select menu

**Genre Code List**

1. if the user accesses the general code list the genre codes and their corresponding categories will be displayed to them. The genre code list is displayed below
2. Genre Category List

Code Genre

0 Unknown

1 Action

2 Adventure

3 Animation

4 Comedy

5 Comic Book

6 Crime

7 Dance

8 Disaster

9 Documentary

10 Drama

11 Epic

12 Fantasy

13 Game Show

14 Gangster

15 Historical

16 Horror

17 Musical

18 Mystery

19 Myth

20 News

21 Reality TV

22 Romance

23 Science Fiction

24 Sports

25 Suspense

26 Thriller

27 TV Show

28 War

29 Western

1. after displaying the code list the user will see the following
2. Please select previous screen from list below

Add All Press 1

Update All Press 2

Update Genre Press 3

Search Genre Press 4

Choice:

1. if the user enters one they will taken back to the add all option
2. if the user enters two they will be taken back to the update all option
3. if the user enters three they will be taken back to the update genre option
4. if they enter four they will be taken back to the search genre option
5. if anything else is entered the menu will be shown again

data definitions

1. all the fields for this program are defined below

**DVD ID**

As long as the ID is a number and the field is not empty it will become the value the user enters. Otherwise it will be 0

**DVD Title**

As long as the title is between 1 and 50 characters it will become the value entered by the user otherwise it will simply be title

**DVD First**

As long as the first actors first name is between 1 and 30 characters it will become the value entered by the user otherwise it will simply be first

**DVD Last**

As long as the first actors last name is between 1 and 30 characters it will become the value entered by the user otherwise it will simply be last

**DVD First2**

As long as the second actors first name is between 1 and 30 characters it will become the value entered by the user otherwise it will simply be first2

**DVD Last2**

As long as the second actors last name is between 1 and 30 characters it will become the value entered by the user otherwise it will simply be last2

**DVD Company**

As long as the production company name is between 1 and 40 characters it will become the value entered by the user otherwise it will simply be company

**DVD Genre**

As long as the genre code is between 0 and 29 numerically it will become the value entered by the user otherwise it will simply be 0

**Genre Category**

As long as the first actors first name is between 1 and 20 characters it will be assigned a genre ID otherwise it will simply be unknown.

**DVD Runtime**

As long as the genre code is between 0 and 300 numerically it will become the value entered by the user otherwise it will simply be 0

**DVD Type**

As long as the type is equal to one of the following characters D (DVD), B (Blu-ray), or U (unknown), it will become the value entered by the user otherwise it will be simply U

**DVD Status**

As long as the status is equal to one of the following characters E (Exist), or N (**not** exist), it will become the value entered by the user otherwise it will be simply E.