This program will be a command line application that parses, and responds to, console commands inputted by the user.

In the following screen designs, user input is signified as text starting with a dollar sign ($).

# Initial Screen

=========================================  
Title  
=========================================  
Program documentation

# Help

Displays command documentation.

$help  
[Command Name] [Description]  
Command 1 Description of command 1  
Command 2 Description of command 2  
Command 3 Description of command 3  
etc…

# Games List

Displays a list of all games stored in our sqlite3 database.

2 decimal places

$games  
[Title] [Genre] [Age Rating] [Price] [Copies]  
Game 1 Action 3 20.00 100  
Game 2 Puzzle 12 54.23 20  
Game 3 Action 18 32.54 80  
etc…

Games should not be displayed to those who’s age is less than the game’s age rating.

The user should also be able to filter by genre.

$games Action  
[Title] [Genre] [Age Rating] [Price] [Copies]  
Game 1 Action 3 20.00 100  
Game 3 Action 18 32.54 80  
etc…

# Cart Functions

Cart functions allow users to mark items they may want to purchase prior to commencing the actual purchase. This cart needs to be modifiable.

To add a game to the user’s cart:

Name of game must be specified in the game list.

$cart add Subnautica  
Subnautica (x1) added to cart.  
  
The user can also add multiple copies of a game to their cart by appending a number after the name of a game.  
  
$cart add Subnautica 20  
Subnautica (x20) added to cart.  
  
To remove a game from the user’s cart:

$cart rm Subnautica   
Removed Subnautica from cart.

To purchase the games in the user’s cart.  
  
$cart buy  
User: username  
Email: email  
Cart:  
[Title] [Genre] [Age Rating] [Price] [Copies]  
Game 1 Action 3 40.00 2  
Game 3 Action 18 67.00 2  
etc…

Type y to confirm order.

Inputting any other character should cancel the order.

To clear the user’s cart:

$cart clear  
Emptied your cart.

# User Functions

To create a new account.

$create user blah password123 01/01/1970 [blah@blah.com](mailto:blah@blah.com)  
Account created.

To login:

$login blah password123  
Logged in as user: blah

Any games in a cart will be preserved when a user logs in (where they have added games to their cart prior to logging in).

To logout the current user:

$logout  
User: blah logged out

# Error Handling

All commands should handle error states (for example attempting to buy a game that does not exist in the database, or logging out when the user is not logged in) gracefully and print out error information to the console.