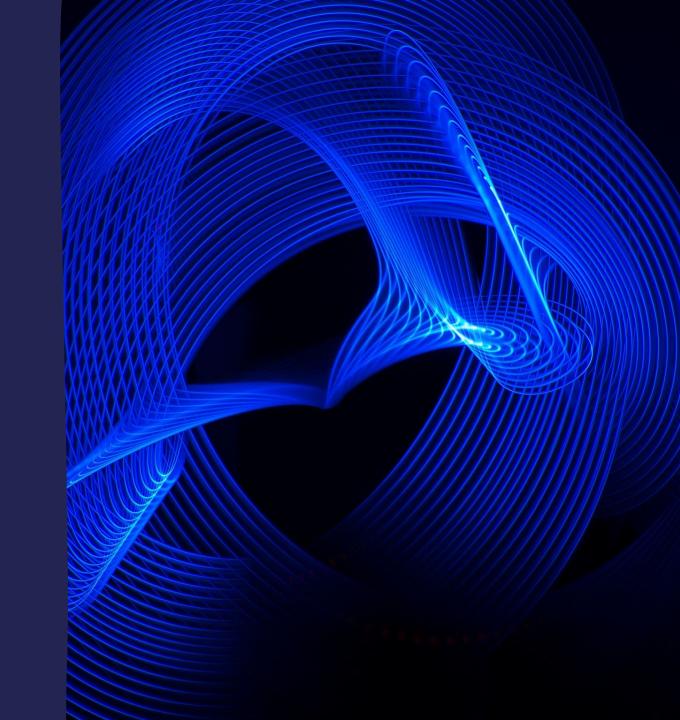# Library Book Management Terminal Application

By Liwaa Haddara

Quick Overview

- **This software development plan is being used to help me complete my third and final assignment of Term 1 of the CoderAcademy Web Development Bootcamp**

- **The assignment is to create a command line application, so basically a program which runs in the terminal only (not GUI)**

- **I've decided to base my program on a library book management system, as I would love to create my own subscription for a shared book-keeping in the future**

- **This allows the user to print the catalogue of books that are currently available for renting, add a book to the catalogue, delete a book from the catalogue, rent a book, and view any books being currently rented.**

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): █
```

test1.txt (visual explanation)

- **Test Case Number 1**

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): 1
```

```
Here is our catalogue:

Book Title: English Year 12,
Author: Robert Beardwood

Book Title: Great Breakthroughs in Mathematics,
Author: Robert Snedden

Book Title: Introducing Arabic,
Author: Michael Mumisa


press Enter to continue...
```

test1.txt (visual explanation)

- **Test Case Number 2:**

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): 6
```

```
Enjoy your day!
liwaahaddara@Liwaas-Air T1A3_LiwaaHaddara %
```

test2.txt (visual explanation)

- **Test Case Number 1:**

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): 2
```

```
What's the title of the new book? test book

Who is the author of Test Book? test author
```

```
What's the title of the new book? test book

Who is the author of Test Book? test author

Test Book has been added to the catalogue....

press Enter to continue...
```

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): 1
```

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test2.txt (visual explanation)

- **Test Case Number 1:**

```
Here is our catalogue:

Book Title: English Year 12,
Author: Robert Beardwood

Book Title: Great Breakthroughs in Mathematics,
Author: Robert Snedden

Book Title: Introducing Arabic,
Author: Michael Mumisa

Book Title: Test Book,
Author: Test Author


press Enter to continue...
```

test2.txt (visual explanation)

- **Test Case Number 2:**

```
Welcome to Liwaa's Library! Please select an option
from the following menu:

1. Show Current Book Catalogue
2. Add book to the Catalogue
3. Delete a book
4. Rent a book from the Catalogue
5. Show books I'm currently renting
6. Exit

Select your option (1-6): 2
```

```
What's the title of the new book?

Who is the author of ? test author
```

```
What's the title of the new book?

Who is the author of ? test author
You need to include BOTH a title AND author name, try again!

press Enter to continue...
```