

Seth Denney - std0003
COMP 2710 Lab 1
Compile Instructions and Testing Results/Sample Output

Compile Instructions:

```
g++ -o std0003_1 STD0003_1.cpp AubieBook.cpp Page.cpp User.cpp  
./std0003_1
```

Test Group 1:

Before any user has been created or logged in, options 2-6 should not be available, as they rely on a user being logged in.

Tests:

*AubieBook::postMessage()
AubieBook::displayWall()
AubieBook::displayHome()
AubieBook::addFriend()
AubieBook::switchUser()*

```
=====
Welcome to AubieBook!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please log in first.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

Please log in first.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 4

Please log in first.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend

- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 5

Please log in first.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 6

Please log in first.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jack

=====

Welcome, Jack!

=====

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 7

Good Bye!

Test Group 2:

After the FIRST user has been created, options 5-6 should not be available, because they rely on there existing at least one other user in the system.

Tests:

AubieBook::addFriend()

AubieBook::switchUser()

```
=====
Welcome to AubieBook!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jack

```
=====
Welcome, Jack!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

A
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

```
=====
Jack's Wall Page
=====
```

Jack ~
A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User

7) Quit AubieBook

Please choose an option: 4

=====

Jack's Home Page

=====

Jack ~

A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 5

No other users created.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 6

No other users created.

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 7

Good Bye!

Test Group 3:

After the SECOND user has been created, all options should be available for selection.

Tests:

AubieBook::createUser()

AubieBook::postMessage()

AubieBook::displayWall()

AubieBook::displayHome()

AubieBook::addFriend()

AubieBook::switchUser()

AubieBook::quitApp()

```
=====
Welcome to AubieBook!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jack

```
=====
Welcome, Jack!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jill

```
=====
Welcome, Jill!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

A
\$

- 1) Create a new User

- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

=====

Jill's Wall Page

=====

Jill ~
A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 4

=====

Jill's Home Page

=====

Jill ~
A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 5

Please enter friend user name: Jack

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 6

Please enter user name: Jack

=====

Welcome back, Jack!

=====

- 1) Create a new User
- 2) Post a message

- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 7

Good Bye!

Test Group 4:

For menu option selection as well as menu options 5 and 6, the application should only accept appropriately 'valid' input. These restrictions will vary based on which option is selected, but all should refuse at least one type of input.

Tests:

AubieBook::displayMenu()

AubieBook::addFriend()

AubieBook::switchUser()

```
=====
Welcome to AubieBook!
=====
```

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: a

Please enter an integer $0 < x < 8$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 9

Please enter an integer $0 < x < 8$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: !

Please enter an integer $0 < x < 8$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jack

=====

Welcome, Jack!

=====

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jill

=====

Welcome, Jill!

=====

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 5

Please enter friend user name: a

No such user found.

Please enter friend user name: 1

No such user found.

Please enter friend user name: !

No such user found.

Please enter friend user name: Jack

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 6

Please enter user name: a

No such user found.

Please enter user name: 1

No such user found.

Please enter user name: !

No such user found.

Please enter user name: Jack

=====

Welcome back, Jack!

=====

- 1) Create a new User**
- 2) Post a message**
- 3) Display Wall Page**
- 4) Display Home Page**
- 5) Add a Friend**
- 6) Switch User**
- 7) Quit AubieBook**

Please choose an option: 7

Good Bye!

Test Group 5:

For generic use cases, the program should perform as detailed in the Lab specifications.

Tests:

Page::addMessage()

Page::displayPage()

Page::printMessages()

User::addFriend()

User::isFriend()

Welcome to AubieBook!

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jack

Welcome, Jack!

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

A
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

B
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User

7) Quit AubieBook

Please choose an option: 2

Please enter message:

C
D
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

Jack's Wall Page

Jack ~

C
D

Jack ~

B

Jack ~

A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

E
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

Jack's Wall Page

Jack ~

E

Jack ~

C
D

Jack ~
B

View all messages? (y/n): n

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

Jack's Wall Page

Jack ~
E

Jack ~
C
D

Jack ~
B

View all messages? (y/n): y

Jack ~
A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 1

Please enter user name: Jill

Welcome, Jill!

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 2

Please enter message:

F
\$

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 3

Jill's Wall Page

Jill ~
F

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 5

Please enter friend user name: Jack

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 4

Jill's Home Page

Jill ~
F

Jack ~
E

Jack ~
C
D

View all messages? (y/n): y

Jack ~
B

Jack ~
A

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 6

Please enter user name: Jack

Welcome back, Jack!

- 1) Create a new User
- 2) Post a message
- 3) Display Wall Page
- 4) Display Home Page
- 5) Add a Friend
- 6) Switch User
- 7) Quit AubieBook

Please choose an option: 7

Good Bye!