

IT PAT

Phase 4: Testing
Documentation

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4.2.1 Evaluation

Improvements

Areas of work that have met the minimum requirements but can be improved upon for better functionality. Improvingly already sufficient work.

Validation

The current validation measures are adequate and provide necessary error messages when required. However, I intend to enhance validation for specific fields to ensure logical consistency in the database. Additionally, a presence check, which was not implemented in previous versions of the PAT, will be incorporated. Additionally, the range check should be adjusted for improved functionality.

Consistency

To maintain uniformity, all repetitive messages, particularly validation error messages, should follow a consistent format. For example, all error messages should start with "Invalid Data Entry" followed by the specific reason. Currently, there are inconsistencies that need to be addressed.

Code Formatting

Certain methods contain disorganized and scattered code, making it difficult to understand upon review. Improved formatting will enhance clarity and comprehension.

Comments

Presently, comments are minimal, especially in more complex methods. These methods should be thoroughly documented with comments to facilitate easier review for both myself and the evaluator.

Implementation of a User Table Screen and related functions in the application

The Users Table is currently predefined by the organization and cannot be changed in any way through the application itself. Although it is not required currently, it may be wise to implement this in the future to improve data control and add functionality.

4.2.2 Functional Testing

Test 1: 2024/02/05 – 20:57 – Whyet Badri

SplashScreen Functions

	No	Yes
• Play loading GIF		
• Loading bar progresses until completion	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Percentage in label increases with loading bar until completion	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ <u>Automatically navigates to LoginFrame upon completion</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LoginFrame functions:

	No	Yes
• Enter username		
• Enter password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Show and hide password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Verify username and password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display error messages if incorrect details methods	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ <u>Navigate to WelcomeFrame to welcome user if correct</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to HelpFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Logout Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WelcomeFrame

	No	Yes
• Display welcome message		
• Display the user's name and surname	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Close	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Navigate to MainMenuFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

MainMenuFrame functions:

	No	Yes
• Navigate to EventsTable		
• Navigate to PatronsTable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to VisitsTable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Reports Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View the relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print the relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to LoginFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EventTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (EventID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Edit Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Delete Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

PatronsTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (PatronID)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Edit Patrons	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Delete Patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

VisitsTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (VisitNo)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Edit Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Delete Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>

○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ReportsFrame functions:

• Highest Spender: Returns the patron that has spend the most overall across all time at the casino.	No	Yes
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Most Visits: The patron that had made the most visits to the casino across all time.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Patron card types: Lists the number of patrons per each card type.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Gender: Lists the number of male and female patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Event Locations: Returns the number of events at each location. Also lists each event and its location.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• High-Capacity Events: returns the number of events that more than 1000 patrons capacity and those that have less than 1000 patrons capacity. Also lists each event as a high capacity or low-capacity event.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
○ Display on text area	<input checked="" type="checkbox"/>	<input type="checkbox"/>
○ Display pie chart	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Clear text area of all text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to HelpFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to MainMenuFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LogoutFrame:

• Display logout confirmation message	No	Yes
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• Exit application	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to LoginFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

HelpFrame:

• Display relevant help text file depending on the frame the called the HelpFrame	No	Yes
○ Display in the text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Print relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Play the relevant help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comment from checker – Whyet Badri

Program functions as intended, the only features not fully done are the auto-setting of the primary key and edit function in the PatronsTable. Additionally, the SQL for High Capacity Events wasn't completed.

Result

Program functions as intended, minor quality of life fixed and minor sql needs to be added

Test 2: 2024/07/11 – 01:57 – Sahil Mungroo

SplashScreen Functions

	No	Yes
• Play loading GIF		<input checked="" type="checkbox"/>
• Loading bar progresses until completion	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Percentage in label increases with loading bar until completion	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ <u>Automatically navigates to LoginFrame upon completion</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LoginFrame functions:

	No	Yes
• Enter username		
• Enter password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Show and hide password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Verify username and password	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display error messages if incorrect details methods	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ <u>Navigate to WelcomeFrame to welcome user if correct</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to HelpFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Logout Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WelcomeFrame

	No	Yes
• Display welcome message		
• Display the user's name and surname	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Close	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Navigate to MainMenuFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

MainMenuFrame functions:

	No	Yes
• Navigate to EventsTable		
• Navigate to PatronsTable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to VisitsTable	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Reports Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View the relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print the relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to LoginFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EventTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (EventID)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Edit Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Delete Events	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

PatronsTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (PatronID)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Edit Patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Delete Patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

VisitsTable functions:

	No	Yes
• View records		
• Navigate through table records using first, previous, next, last buttons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Search records using radio buttons and search text field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Add Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Auto set next primary key (VisitNo)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Edit Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Delete Visits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to Help Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>

○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to Main Menu	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ReportsFrame functions:

• Highest Spender: Returns the patron that has spend the most overall across all time at the casino.	No	Yes
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Most Visits: The patron that had made the most visits to the casino across all time.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Patron card types: Lists the number of patrons per each card type.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Gender: Lists the number of male and female patrons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Event Locations: Returns the number of events at each location. Also lists each event and its location.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• High-Capacity Events: returns the number of events that more than 1000 patrons capacity and those that have less than 1000 patrons capacity. Also lists each event as a high capacity or low-capacity event.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display on text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Display pie chart	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Clear text area of all text	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate to HelpFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ View relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Print relevant text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
○ Play help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to MainMenuFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LogoutFrame:

• Display logout confirmation message	No	Yes
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• Exit application	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Navigate back to LoginFrame	<input type="checkbox"/>	<input checked="" type="checkbox"/>

HelpFrame:

• Display relevant help text file depending on the frame the called the HelpFrame	No	Yes
○ Display in the text area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Print relevant help text file	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Play the relevant help video	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comment from checker – Sahil Mungroo

Program functions as intended, I was not able to find any errors.

Result

Program functions as intended, no errors

4.2.3 Test Plan and Results for TWO input variables

VisitsTable variable – AmountSpent

Testing the AmountSpent variable which is entered when logging a visit. It indicates how much a patron has spent during the visit.

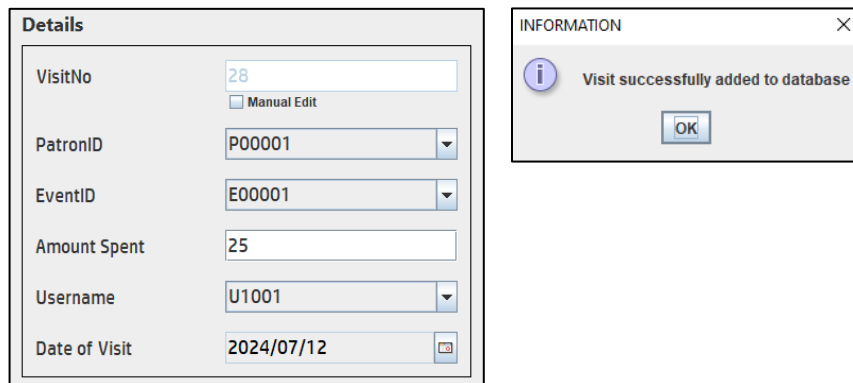
Expected input format: positive double value, max 1 000 000 and minimum 00.01

Expected input example: 250.00

Standard Data Test Cases: Accepted as valid

Input: 25

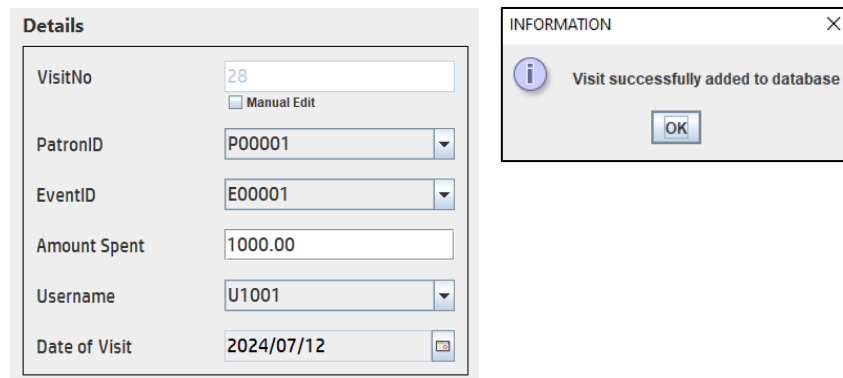
Results: System accepts 25 and proceeds without error.



The screenshot shows two windows. On the left is the 'Details' form with the following fields: VisitNo (28), PatronID (P00001), EventID (E00001), Amount Spent (25), Username (U1001), and Date of Visit (2024/07/12). There is a 'Manual Edit' checkbox below VisitNo. On the right is an 'INFORMATION' dialog box with a blue information icon and the text 'Visit successfully added to database', with an 'OK' button.

Input: 1000.00

Results: System accepts 1000.00 and proceeds without error.



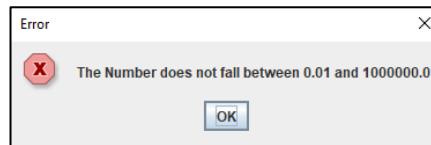
The screenshot shows two windows. On the left is the 'Details' form with the following fields: VisitNo (28), PatronID (P00001), EventID (E00001), Amount Spent (1000.00), Username (U1001), and Date of Visit (2024/07/12). There is a 'Manual Edit' checkbox below VisitNo. On the right is an 'INFORMATION' dialog box with a blue information icon and the text 'Visit successfully added to database', with an 'OK' button.

Extreme Data Test Cases: Accepted as valid

Input: 2000000

Results: System displays an error message indicating that the AmountSpent must be between 00.01 and 1000000

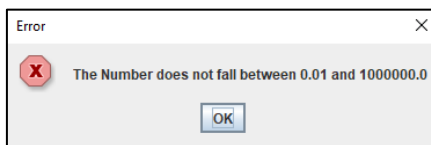
Details	
VisitNo	<input type="text" value="33"/> <input type="checkbox"/> Manual Edit
PatronID	<input type="text" value="P00001"/>
EventID	<input type="text" value="E00001"/>
Amount Spent	<input type="text" value="2000000"/>
Username	<input type="text" value="U1001"/>
Date of Visit	<input type="text" value="2024/09/27"/>



Input: 0

Results: System displays an error message indicating that the AmountSpent must be between 00.01 and 1000000

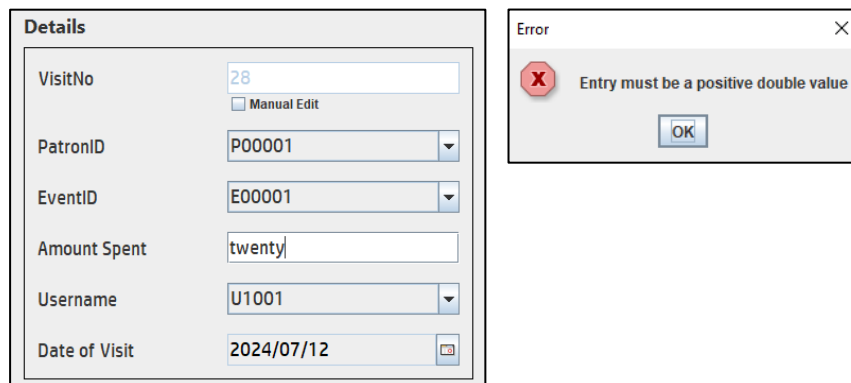
Details	
VisitNo	<input type="text" value="33"/> <input type="checkbox"/> Manual Edit
PatronID	<input type="text" value="P00001"/>
EventID	<input type="text" value="E00001"/>
Amount Spent	<input type="text" value="0"/>
Username	<input type="text" value="U1001"/>
Date of Visit	<input type="text" value="2024/09/27"/>



Abnormal Data Test Cases: Rejected with error message

Input: "twenty"

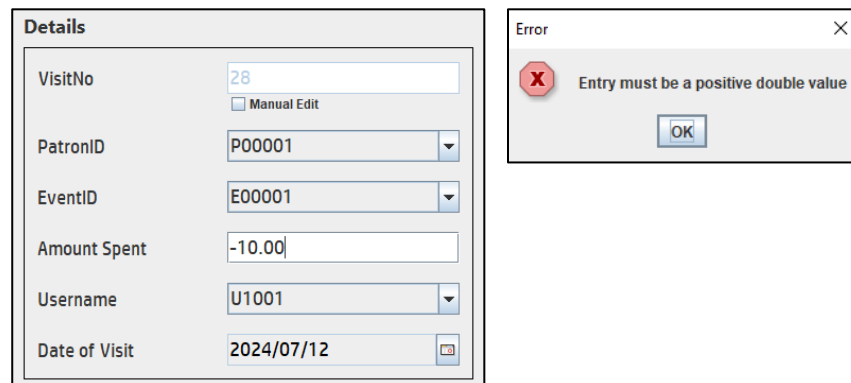
Results: System displays an error message indicating that the AmountSpent must be a positive double value



The screenshot shows a 'Details' form on the left and an 'Error' dialog box on the right. The 'Details' form has the following fields: VisitNo (28), PatronID (P00001), EventID (E00001), Amount Spent (twenty), Username (U1001), and Date of Visit (2024/07/12). The 'Error' dialog box has a red 'X' icon and the message 'Entry must be a positive double value' with an 'OK' button.

Input: -10.00

Results: System displays an error message indicating the AmountSpent must be a positive double value



The screenshot shows a 'Details' form on the left and an 'Error' dialog box on the right. The 'Details' form has the following fields: VisitNo (28), PatronID (P00001), EventID (E00001), Amount Spent (-10.00), Username (U1001), and Date of Visit (2024/07/12). The 'Error' dialog box has a red 'X' icon and the message 'Entry must be a positive double value' with an 'OK' button.

Summary

Entry must be a positive double value

All validation functions as expected. Only correct data is validated. Appropriate error messages are displayed where necessary.

PatronsTable variable – PatronID

Testing the PatronID variable which is entered when adding a new patron to the database. It is the primary key of the PatronsTable and needs to be entered in a specific format.

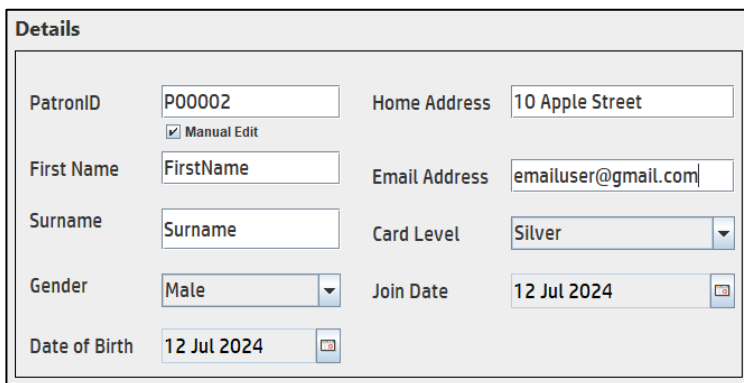
Expected input format: The character “P” followed by 5 number

Expected input example: P00001

Standard Data Test Cases: Accepted as valid

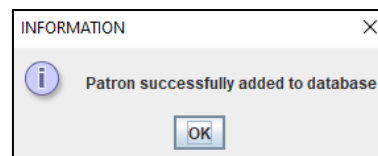
Input: P00002 (Previous value is P00001)

Results: System accepts 25.00 and proceeds without error.



The 'Details' form contains the following fields and values:

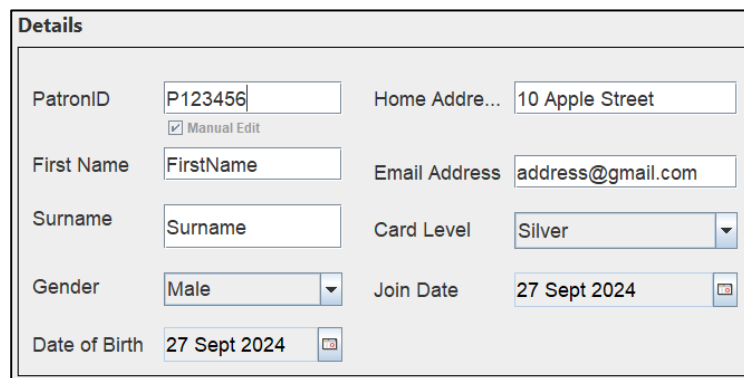
Field	Value
PatronID	P00002
Home Address	10 Apple Street
First Name	FirstName
Email Address	emailuser@gmail.com
Surname	Surname
Card Level	Silver
Gender	Male
Join Date	12 Jul 2024
Date of Birth	12 Jul 2024



Extreme Data Test Cases: Accepted as valid

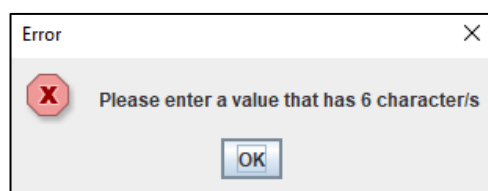
Input: P123456 - 7 characters in length

Results: System displays an error saying that PatronID should be 6 characters in length



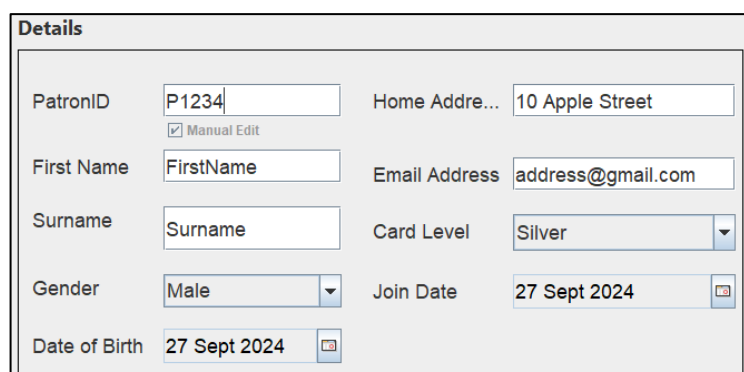
The 'Details' form contains the following fields and values:

Field	Value
PatronID	P123456
Home Address	10 Apple Street
First Name	FirstName
Email Address	address@gmail.com
Surname	Surname
Card Level	Silver
Gender	Male
Join Date	27 Sept 2024
Date of Birth	27 Sept 2024



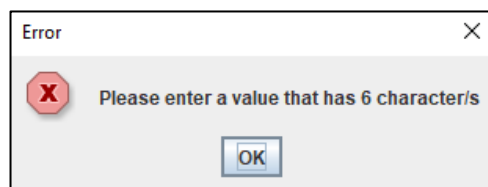
Input: P1234 - 5 characters in length

Results: System displays an error saying that PatronID should be 6 characters in length



The 'Details' form contains the following fields and values:

Field	Value
PatronID	P1234
Home Address	10 Apple Street
First Name	FirstName
Email Address	address@gmail.com
Surname	Surname
Card Level	Silver
Gender	Male
Join Date	27 Sept 2024
Date of Birth	27 Sept 2024



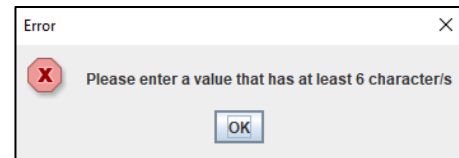
Abnormal Data Test Cases: Rejected with error message

Input: P0001

Results: System displays an error message indicating that the entry should be 6 characters in length

The 'Details' form contains the following fields and values:

Field	Value
PatronID	P0001
Home Address	10 Apple Street
First Name	FirstName
Email Address	emailuser@gmail.com
Surname	Surname
Card Level	Silver
Gender	Male
Join Date	12 Jul 2024
Date of Birth	12 Jul 2024

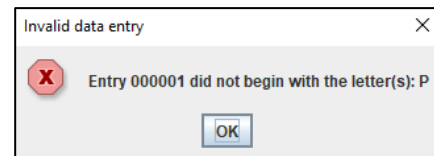


Input: 000001

Results: System displays an error message indicating that the entry must begin with the letter “P”

The 'Details' form contains the following fields and values:

Field	Value
PatronID	000001
Home Address	10 Apple Street
First Name	FirstName
Email Address	emailuser@gmail.com
Surname	Surname
Card Level	Silver
Gender	Male
Join Date	12 Jul 2024
Date of Birth	12 Jul 2024



Summary

Entry must be 6 characters in length and begin with the letter “P”

All validation functions as expected. Only correct data is validated. Appropriate error messages are displayed where necessary.