Data Flow Diagram and Data Dictionary

for

Students' Auditorium Management Software

Prepared by

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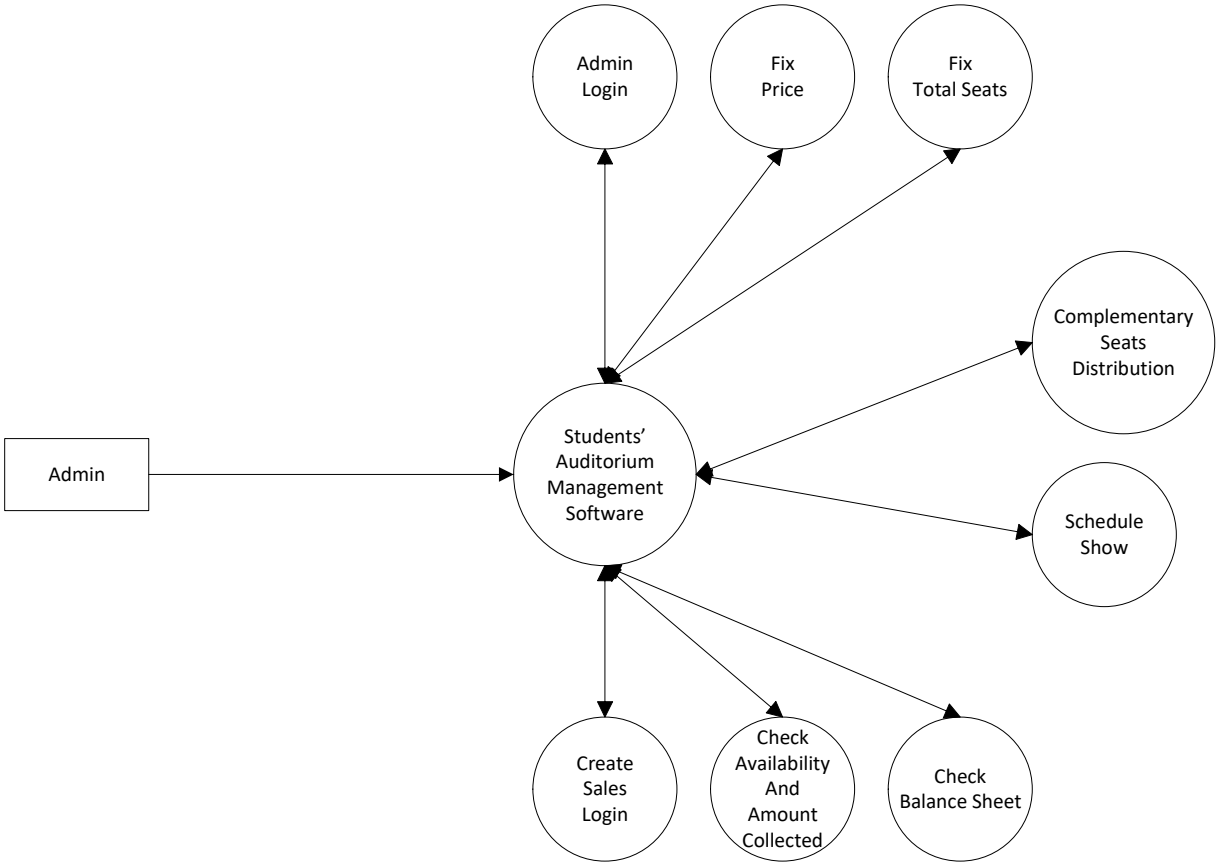
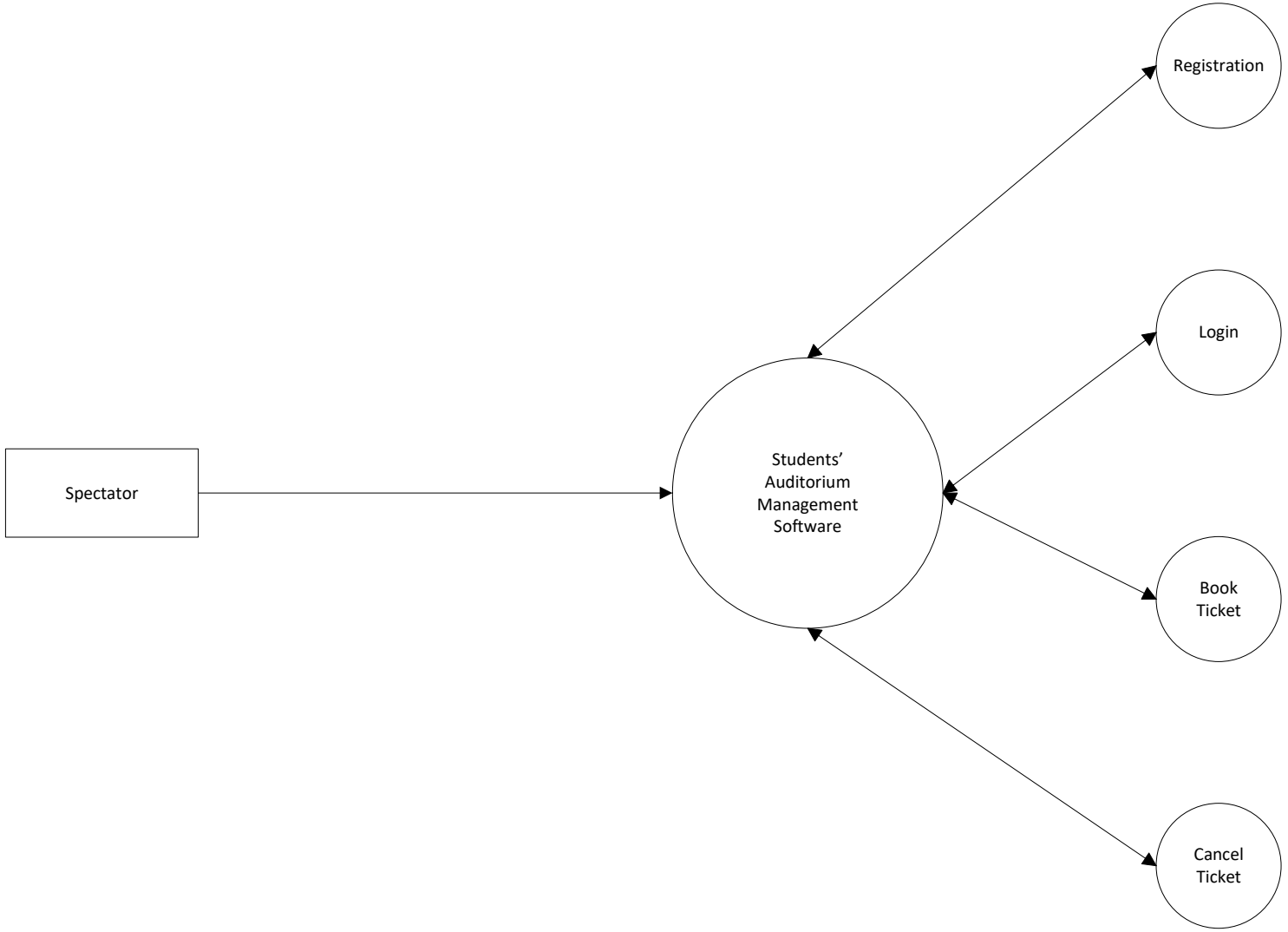
Data Flow Diagram (Level 0)

Students' Auditorium Management Software

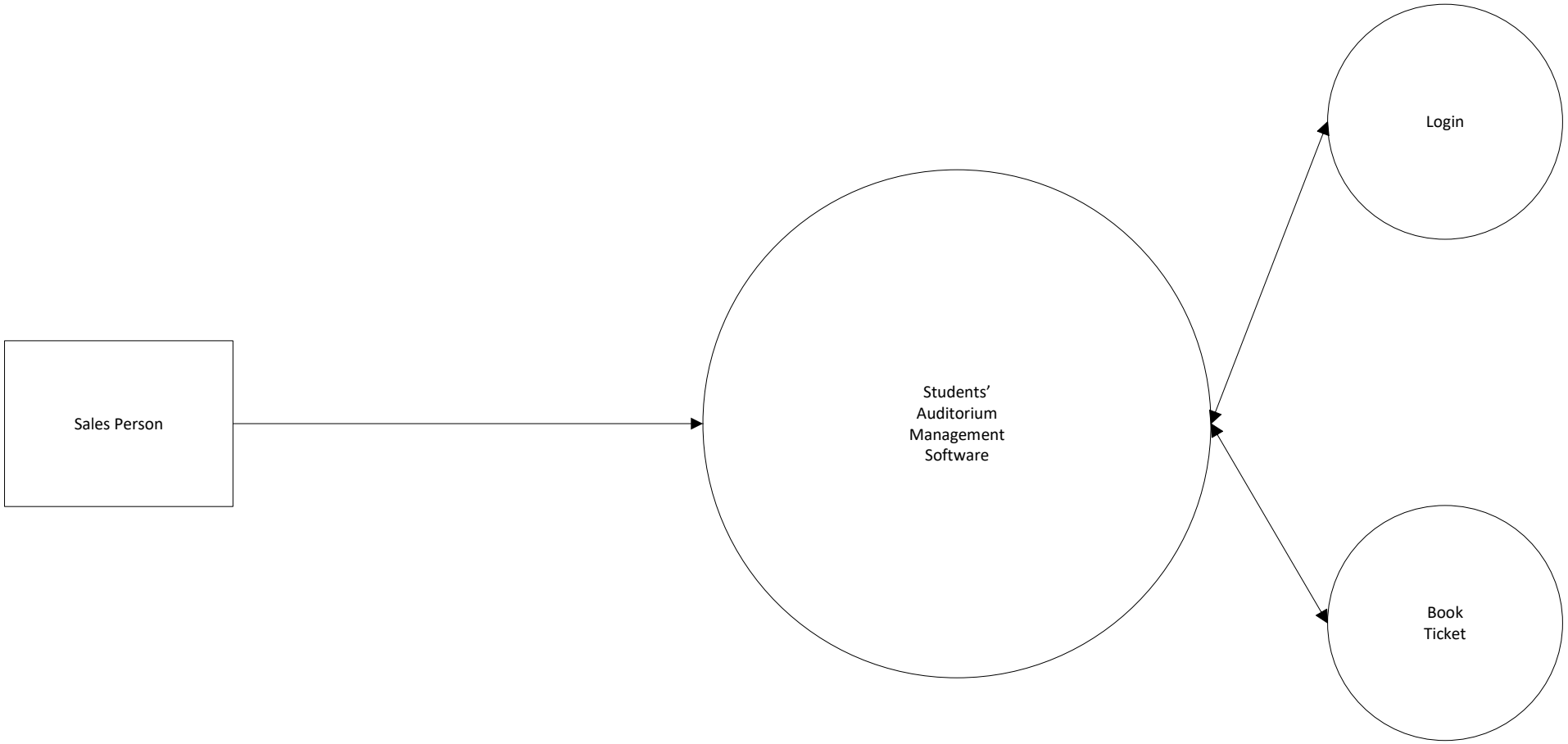
1) Admin Module



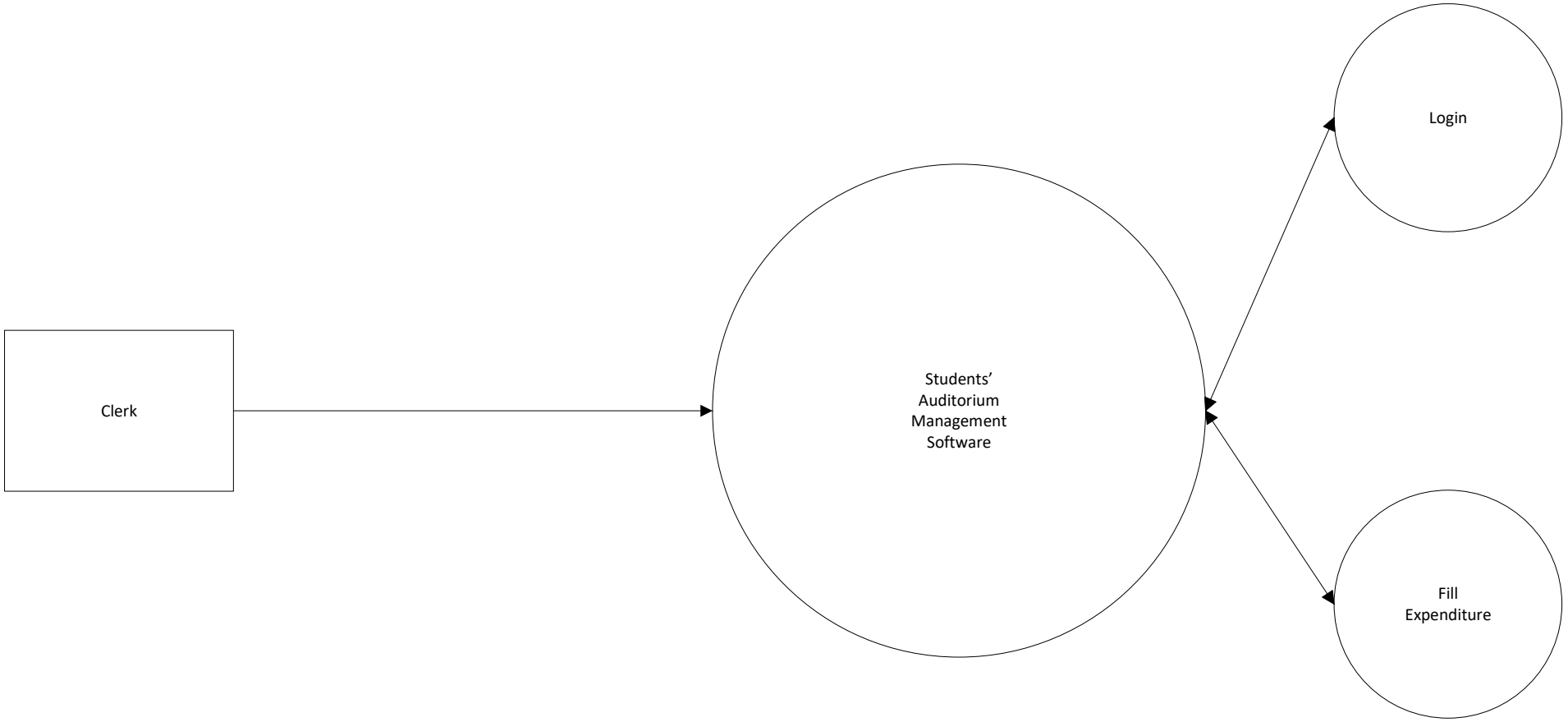
2) Spectator Module



3) Sales Person Module



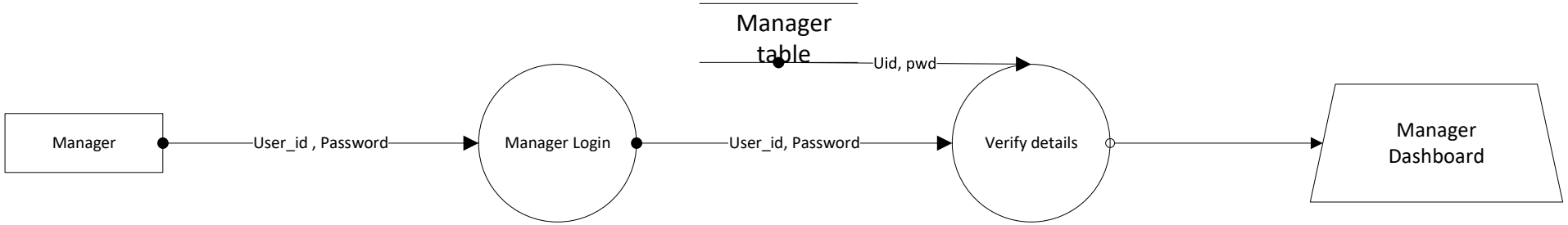
4) Clerk Module



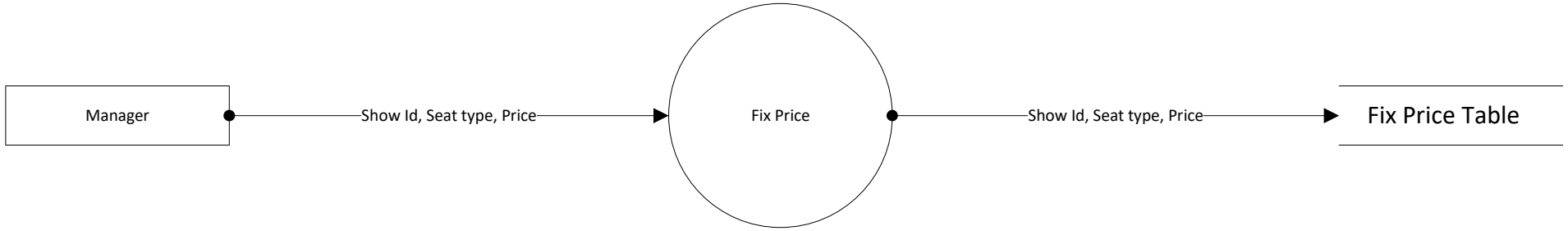
Data Flow Diagram (Level 1)

Students' Auditorium Management Software

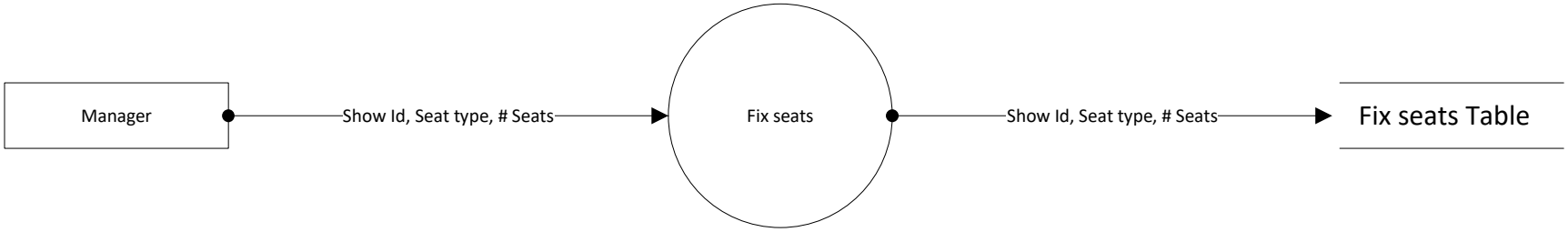
1) Manager Login



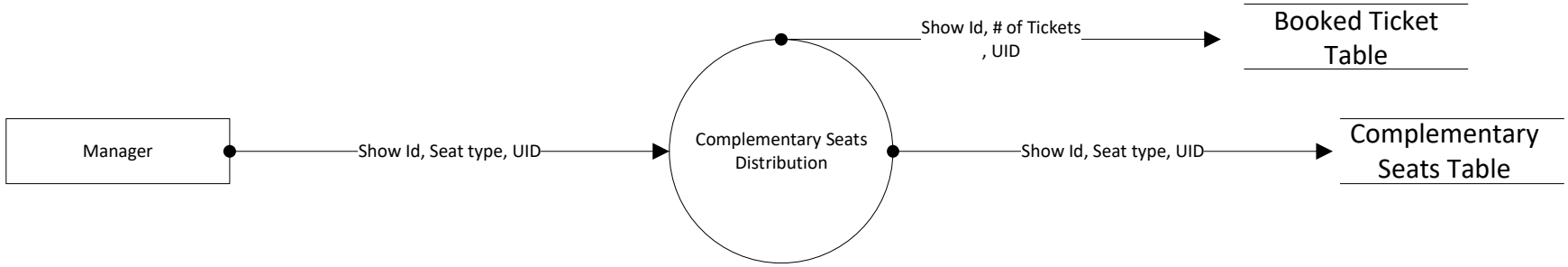
2) Fix Price



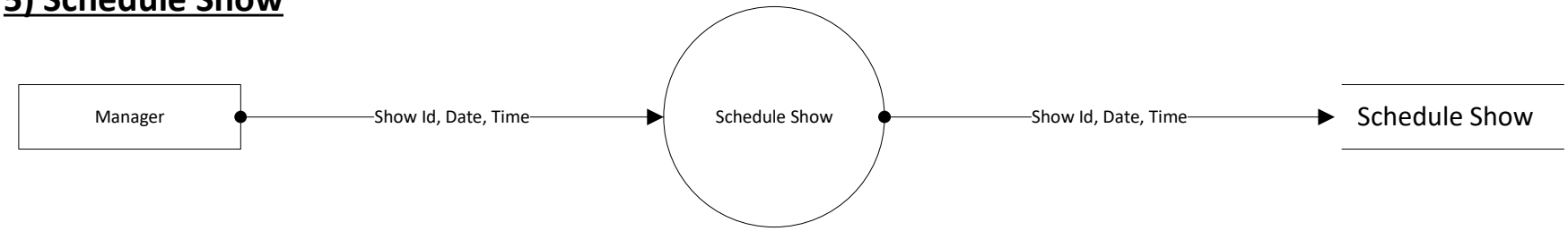
3) Fix Total Seats



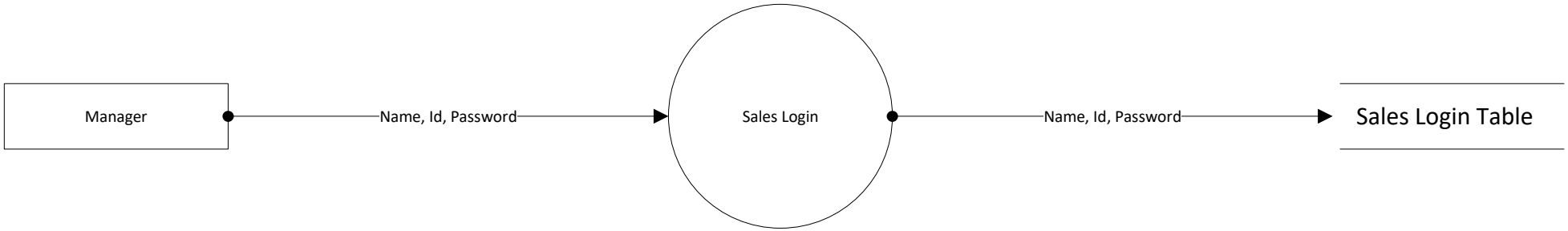
4) Complementory Seats Distribution



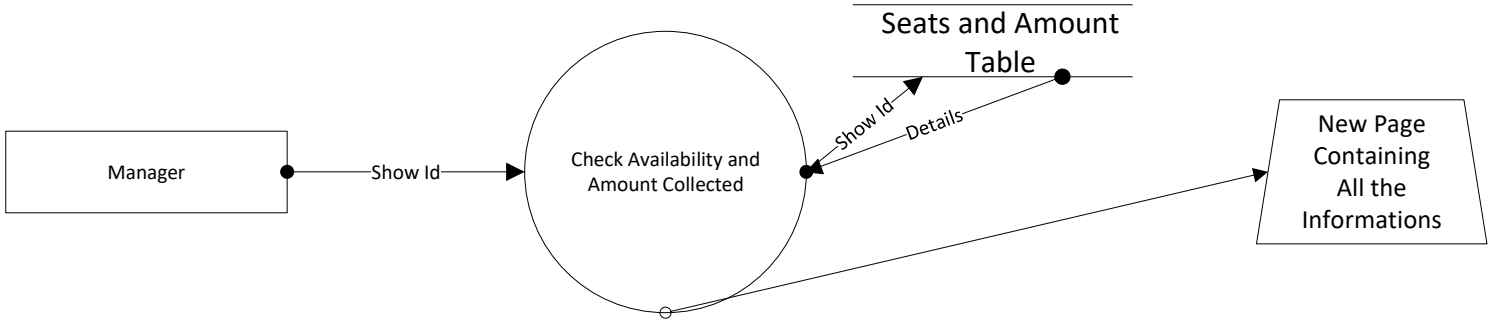
5) Schedule Show



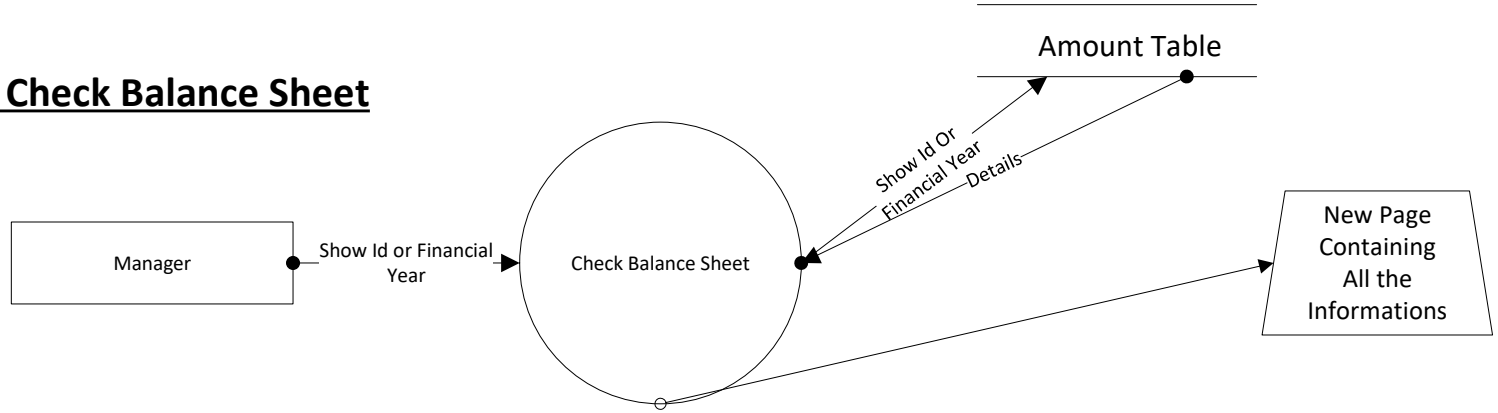
6) Create Sales Login



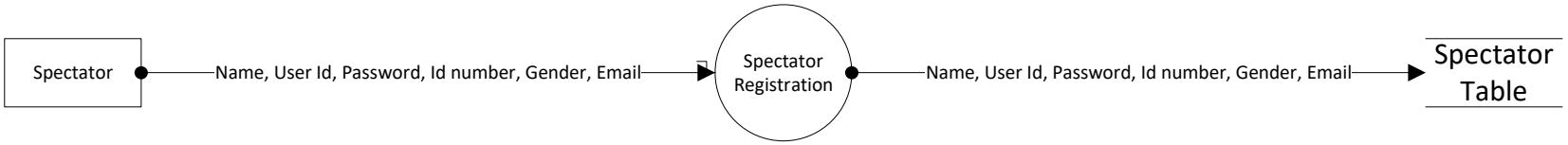
7) Check Availability and Amount Collected



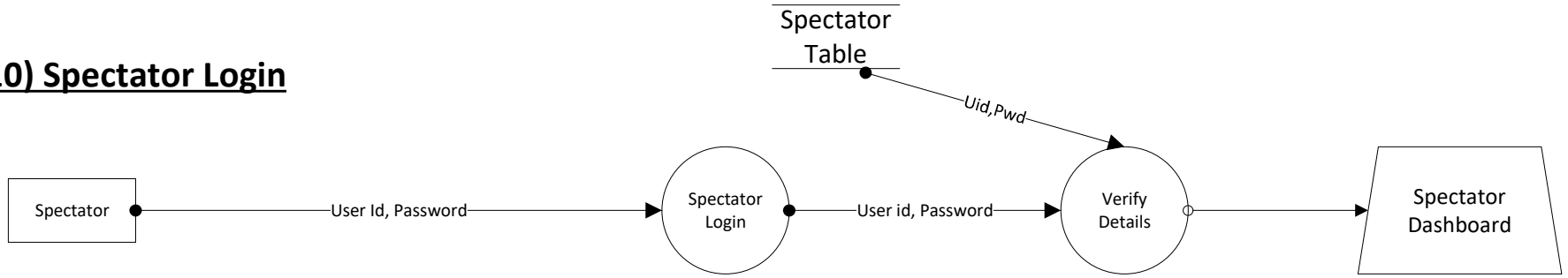
8) Check Balance Sheet



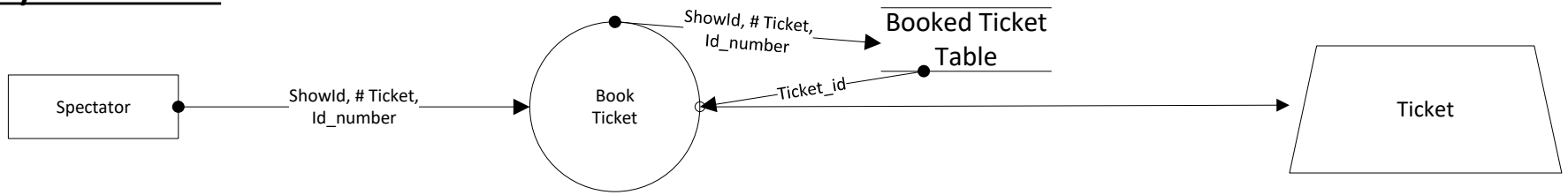
9) Spectator Registration



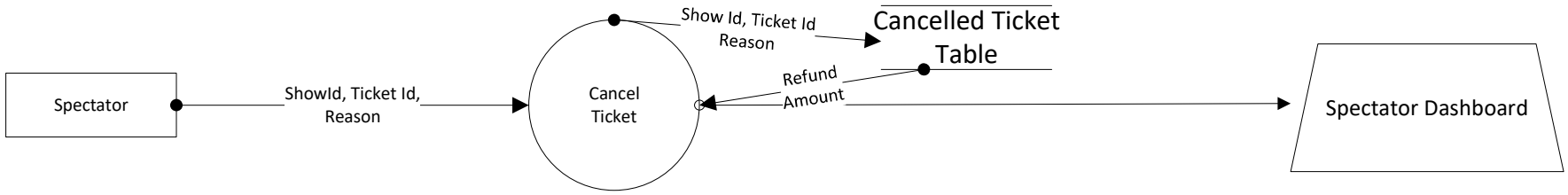
10) Spectator Login



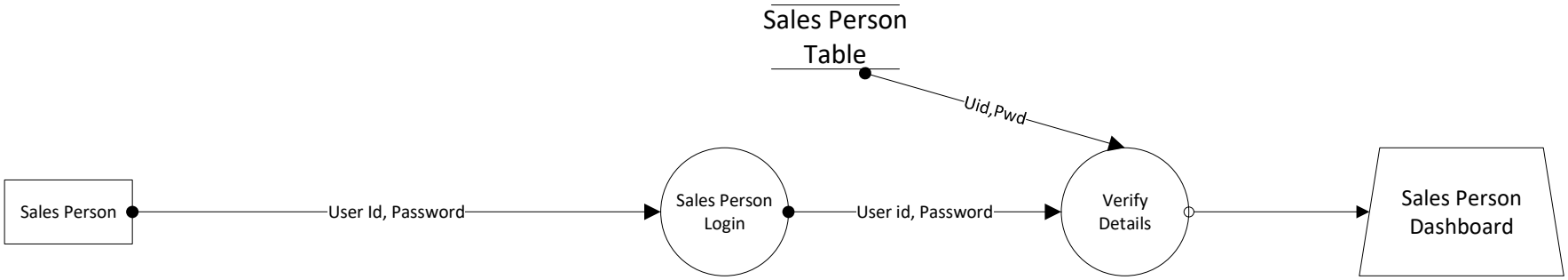
11) Book Ticket



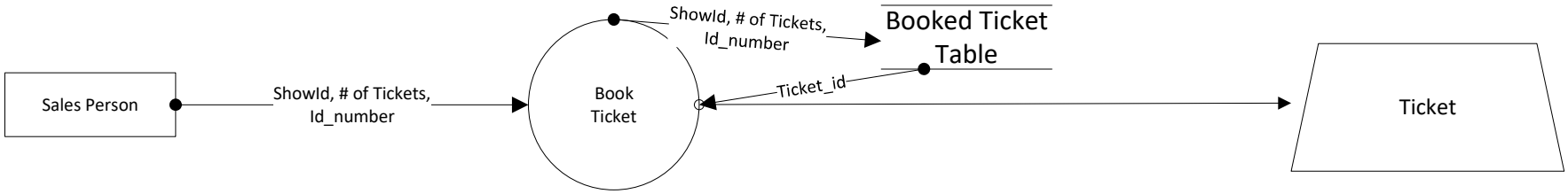
12) Cancel Ticket



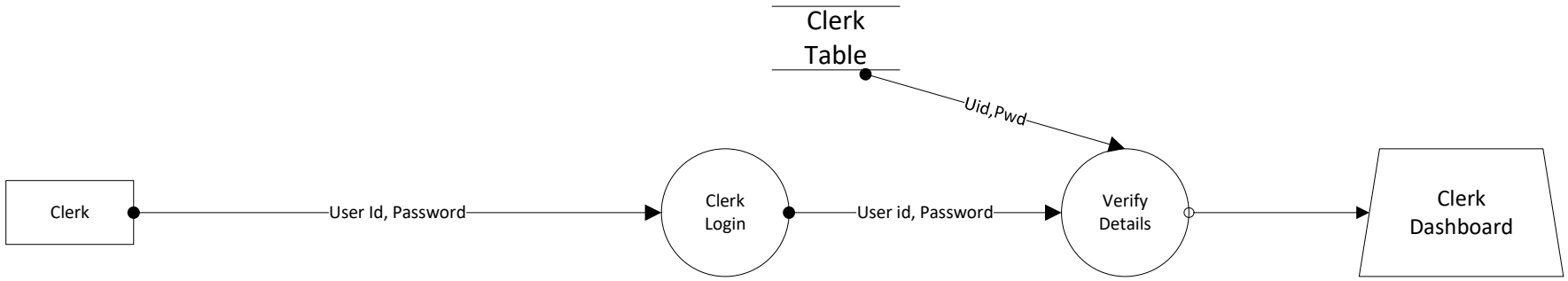
13) Sales Person Login



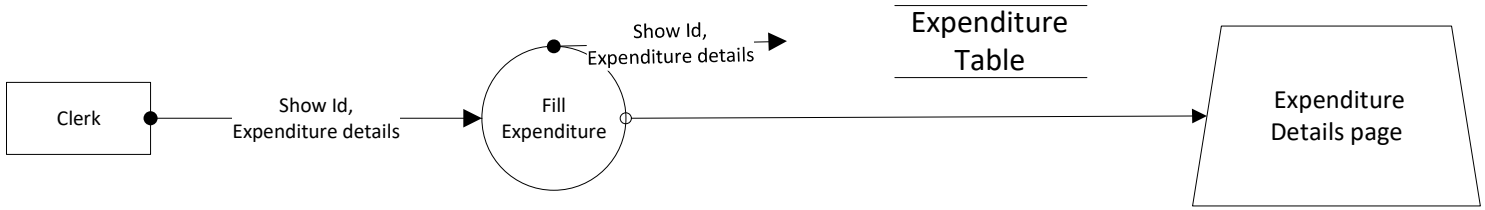
14) Book Ticket



15) Clerk Login



16) Fill Expenditure:



Data Dictionary

Students' Auditorium Management Software

1) Manager Login:-

• User id	:	String (30)	*Input User Id*
• Password	:	String (30)	*Input Valid Password*
• Result	:	[Output, Error]	
• Output	:	[Manager Dashboard]	
• Error	:	String	*Error Message*

2) Fix Price:-

• Show Id	:	Integer (10)	*Select Show Id*
• Type of Seat	:	String (30)	*Select type of seat*
• Price	:	Integer (30)	*Input seat price*
• Result	:	[Output, Error]	
• Output	:	String + [Manager Dashboard]	*Confirmation Message*
• Error	:	String	*Error Message*

3) Fix Total Seats:-

• Show Id	:	Integer (10)	*Select Show Id*
• Type of Seat	:	String (30)	*Select type of seat*
• Total available Seat	:	Integer (3)	*Input total seats*
• Result	:	[Output, Error]	
• Output	:	String + [Manager Dashboard]	*Confirmation Message*
• Error	:	String	*Error Message*

4) Complementary Seats Distribution:-

• Show Id	:	Integer (10)	*Select Show Id*
• Type of Seat	:	String (30)	*Select type of Seat*
• Member Id	:	String (20)	*Input Member Id*
• Result	:	[Output, Error]	
• Output	:	Ticket Id + [Popup Box]	*Ticket in PDF format*
• Error	:	String	*Error Message*

5) Schedule Show:-

- Title of Show : String (30) *Input Show Name*
- Date : date (10) *Select Date*
- Time : time (8) *Select Time*
- Show Id : Integer (10) *Select Show Id*
- Total Seats for Sale : Integer (3) *Input total available seats*
- Result : [Output, Error]
- Output : String + [Manager Dashboard] *Confirmation Message*
- Error : String *Error Message*

6) Create Sales Login:-

- Name : String (30) *Input Name of the Sales Person*
- User Id : String (30) *Input Unique User Id*
- Password : String (30) *Input Temporary Password*
- Id number : Integer (30) *Input valid Id number*
- Gender : String (10) *Select Gender*
- Result : [Output, Error]
- Output : String + [Manager Dashboard] *Confirmation Message*
- Error : String *Error Message*

7) Check Availability and Amount Collected:-

- Show Id : Integer (10) *Select Show Id*
- Result : [Output]
- Output : Available Seats + Amount Collected

8) Check Balance Sheet:-

- [Show Id, Year] : Integer (10) *Enter Show Id or Financial Year*
- Result : [Output, Error]
- Output : [Balance Sheet]
- Error : String *Error Message*

9) Spectator Registration:-

- Name : String (30) *Input Name of the Sales Person*
- User Id : String (30) *Input Unique User Id*
- Password : String (30) *Input Password*
- Id number : Integer (30) *Input valid Id number*
- Gender : String (10) *Select Gender*
- Email : String (30) *Input Email Id*
- Result : [Output, Error]
- Output : String *Confirmation Message*
- Error : String *Error Message*

10) Spectator Login:-

- User id : String (30) *Input User Id*
- Password : String (30) *Input Valid Password*
- Result : [Output, Error]
- Output : [Spectator Dashboard]
- Error : String *Error Message*

11) Book Ticket:-

- Show Id : Integer (10) *Select Show Id*
- Number of Tickets : Integer (1) *Input number of tickets*
- Id Number : Integer (30) *Input valid id number*
- Result : [Output, Error]
- Output : Ticket Id + Popup Box *Ticket in PDF format*
- Error : String *Error Message*

12) Cancel Ticket:-

- Show Id : Integer (10) *Input Show Id*
- Ticket Id : Integer(10) *Input Ticket Id*
- Reason : String (100) *Input Reason*
- Result : [Output, Error]
- Output : Confirmation + Spectator Dashboard *Refund amount*
- Error : String *Error Message*

13) Sales Person Login:-

- User id : String (30) *Input User Id*
- Password : String (30) *Input Valid Password*
- Result : [Output, Error]
- Output : [Sales Person Dashboard]
- Error : String *Error Message*

14) Book Ticket:-

- Show Id : Integer (10) *Select Show Id*
- Number of Tickets : Integer (1) *Input number of tickets*
- Id Number : Integer (30) *Input valid id number*
- Result : [Output, Error]
- Output : Ticket Id + Popup Box *Ticket in PDF format*
- Error : String *Error Message*

15) Clerk Login:-

- User id : String (30) *Input User Id*
- Password : String (30) *Input Valid Password*
- Result : [Output, Error]
- Output : [Clerk Dashboard]
- Error : String *Error Message*

16) Fill Expenditure:-

- Show Id : Integer (10) *Select Show Id*
- Expenditure details : Table [String, Integer, Date, Time] *Input details*
- Result : [Output, Error]
- Output : String *Confirmation Message*
- Error : String *Error Message*