



Model

Show

models the concept of a show production. A show can have multiple performances of itself.

Int showProductionID
String showName
String showType
String showDescription
Int duration;
boolean liveAccompaniment
Double stallsPrice
Double circlePrice
ArrayList<Performer? performers

+getters and setters
+addPerformer
+getRegularPerformers
+getMusicPerformers

Performance

models the concept of a performance of a show
Each performance will be responsible for variable details such as seat availability

int productionID
int performanceID
String date
String startTime
int circleAvailable
int stallsAvailable

+getters and setters

Performer

models the concept of a performer of a show

String name
int performerID
boolean isMusic

+getters and setters

Ticket

models the concept of a ticket. A User may buy multiple tickets of different or similar performances.

int transactionID
String performanceID
String showName
final String location = "The Theatre Royal"
Double price
String startTime
String date;
String seatType;
String concession;
String collectionID;

+getters and setters

User

models the concept of the User who is using the program to buy tickets for performances

String fName
String lName
String addressLine1
String addressLine2
String city
String postcode
String email
String phoneNo
String ccNo
boolean isEmployee

+getters and setters
+setters()

Basket

models the concept of a basket. A basket may hold an infinite number of tickets which the User has purchased

ArrayList<Ticket> tickets
Double basketTotal
Boolean postage;

+addTicket
+getBasketTotal
+getPostage
+checkPostageApplies
+clearBasket
+getTotalTickets
+getStallSeats
+getCircleSeats
+setTransactionID

SQL DATABASE