Use Cases

Use Case Name: Costume Trip

Actors:

* Non-registered Shopper (Does not have an existing account)
* Fulfillment System (processes orders for delivery to customers)
* Billing System (bills customers for orders that have been placed)

Triggers:

* The user indicates that he/she wants to take a costume trip to several stadiums of any league.

Preconditions:

* User has selected the option to costume trip.

Post-conditions:

* The order will be placed in the system.
* The user will have a list of items to buy and per stadium.
* The user will know the estimated total for the order.

Normal Flow:

1. The user will indicate that she wants to take a trip.
2. The system will present the list of stadiums that the user can visit.
3. The user will confirm that the stadiums that he/she would like to visit.
4. The system will present the list of stadiums that will be visited.
5. The user will confirm that the list is accurate and will start the trip.
6. The system will present the first stadium, and the list of items to choose from.
7. The system will present the current stadium and current total for that stadium.
8. The user will go to the next stadium in the list
9. The *billing system* will confirm that the charge has been placed for the order.
10. The system will submit the order to the *fulfillment system* for processing.
11. The *fulfillment system* will confirm that the order is being processed.
12. The system will give to the user a grand total to the user that the user.
13. The transaction will be confirmed.
14. The user will exit the system.

Alternate Flows:

3A1: The user does not make any selection for the stadiums and tries to confirm the list of stadiums to be visited.

1. The system will tell the user that no stadium have been visited and will not allow the user to move forward.
2. The user will have to specify the list of stadiums that will visited as well as the starting point.

5A1: The user will discover an error in the billing information associated with their transaction.

1. The user will terminate the trip in order to cancel the transaction and avoid further errors or overcharge.

5A2: The user will discover an error in the billing information that is uniquely being used for this order, and will change it.

1. The user will terminate the trip.

10A1: The user will determine that the order is not acceptable (perhaps due to dissatisfaction with the estimated delivery date) and will cancel the order.

1. The user will exit the application, thus cancelling any type of transaction.

10A2: The user will see that there is an incorrect number of stadiums.

1. The user will exit the application and let the company know in order to fix the issue as soon as possible.

Use Case Name: View the Minimum Spanning Tree (MST)

Actors:

* Non-registered Shopper (Does not have an existing account)

Triggers:

* The user indicates that he/she wants to see the distance that will take to travel to all the stadiums.

Preconditions:

* User has selected the option to see the Minimum Spanning Tree.

Post-conditions:

* The user will see the minimum spanning tree.

Normal Flow:

1. The user will indicate that she wants to see the minimum spanning tree.

2. The system will present the list of stadiums and the total distance to that specific stadium.

3. The user will see the total distance to travel to all the stadiums.

Alternate Flows:

None.

Use Case Name: Quick Trip

Actors:

* Non-registered Shopper (Does not have an existing account)
* Fulfillment System (processes orders for delivery to customers)
* Billing System (bills customers for orders that have been placed)

Triggers:

* The user indicates that he/she wants to take a costume trip to from another stadium starting at the dodgers’ stadium.

Preconditions:

* User has selected the option to short trip.

Post-conditions:

* The order will be placed in the system.
* The user will have a list of items to buy for the stadium.
* The user will know the estimated total for the order.

Normal Flow:

1. The user will indicate that she wants to take a trip.
2. The system will present the list of stadiums that the user can visit.
3. The user will confirm the stadium that he/she would like to visit.
4. The user will confirm that the stadium selected is accurate and will start the trip.
5. The system will present the first stadium, and the list of items to choose from.
6. The system will present the current stadium and current total for that stadium.
7. The *billing system* will confirm that the charge has been placed for the order.
8. The system will submit the order to the *fulfillment system* for processing.
9. The *fulfillment system* will confirm that the order is being processed.
10. The system will give to the user a grand total to the user that the user.
11. The transaction will be confirmed.
12. The user will exit the system.

Alternate Flows:

3A1: The user does not make any selection for the stadiums and tries to confirm the stadium to be visited.

1. The system will tell the user that no stadium have been visited and will not allow the user to move forward.
2. The user will have to specify the list of stadiums that will visited as well as the starting point.

5A1: The user will discover an error in the billing information associated with their transaction.

1. The user will terminate the trip in order to cancel the transaction and avoid further errors or overcharge.

5A2: The user will discover an error in the billing information that is uniquely being used for this order, and will change it.

1. The user will terminate the trip.

10A1: The user will determine that the order is not acceptable (perhaps due to dissatisfaction with the estimated delivery date) and will cancel the order.

1. The user will exit the application, thus cancelling any type of transaction.

10A2: The user will see that there is an incorrect number of stadiums.

1. The user will exit the application and let the company know in order to fix the issue as soon as possible.