

Function types	Costs	
Internal Logical File	10	
External Interface File	7	
External Input	4	
External Output	5	
External Inquiry	4	
The system will keep a list of usernames and passwords required to enter the managment area.	Internal Logical File	10
The system will store all showing and seat information to prevent double buying tickets.	Internal Logical File	10
The operator will provide a username and password to enter the management area.	External Inquiry	4
The operator will be able to add and remove shows.	External Input	4
The operator will be able to customize the dates, number of seats, and price for each seat per show.	External Inquiry	4
The operator will be able to few a report showing all sale info.	External Output	5
The customer will be able to be able to view the upcoming shows and available seating.	External Output	5
The customer can select multiple seats and add them to their cart.	External Inquiry	4
The customer can enter their name, age, address, phone, email, and card info to purchase the seats at checkout.	External Input	4
The system will reserve the seat and confirm the sale to the user on screen.	External Output	5
UFP:		55
Value adjustment factors:		
Data communications	3	
Distributed data processing	3	
Performance	2	
Hevaily used configuration	0	
Transaction rate	1	
Online data entry	4	
End-user efficiency	4	
Online update	3	
Complex processing	0	
Reusability	0	
Installation ease	3	
Operational ease	3	
Multiple sites	0	
Facilitate changes	1	
VAF:	0.92	
AFP:	50.6	
5th gen language avg FP hours:	8	
Javascript avg code lines for fp:	47	
Estimated lines of code:	2378.2	
a	2.4	
b	1.05	
c	2.5	
d	0.38	
Effort:	5.960353738	person months
Time:	4.926555527	months
Average staff size:	1.209841989	persons
Productivity:	399.003164	LOC per person month
Programmer avg monthly cost:	\$3,600.00	
Setup costs	\$21,457.27	
Monthly server fees	\$6.90	monthly