Scenario

Tour Guide – Pay Calculator

Tour Company offers client 3 walking tour options – each of a different duration (hours)

Tours

TourID	Destination	Duration	Price per Person	Min # Walkers	Max # Walkers
Tour1	Sugarloaf	3	10.00	5	12
Tour2					
Tour3					

Guides

The company employs three tour guides. Depending on their experience, guides are paid an hourly rate plus a bonus amount per walker.

GuideID	Name	Basic Rate (Hourly)	Rate per Walker
Guide71	Barbara	12.50	1.25
Guide72	Eddie	15.00	2
Guide73			

Completed Walks

The application allows the user to record the walks completed.

WalkID	GuideID	TourID	# Walkers
Walk23	Guide71	Tour1	10
Walk24	Guide73	Tour2	8
Walk25	Guide71	Tour1	12
Walk26			

Tasks

1.0 Requirements

- Details of Tours should be held in a CSV file or other non-volatile format
- The user should be able to add new Tours, Guides and Walks Completed
- The user should be able to Delete / Update Guide information.
- Calculates pay earned by each guide and total income

2.0 Design

- What classification from the Tour Company would be helpful?
- What assumptions did you make?
- Explain your program design approach (must be procedural)

3.0 Execute

Record ten completed walks and then calculate and display the following...

- Based on the completed walks, calculate and display the Basic Pay, Bonus Pay and Total Pay earned by each Guide.
- The overall Profit / Loss made by the company for these completed walks

T4.0 est & Review

- Outline and justify a strategy to test this application.
- Discuss the shortcoming / potential improvements for the application.