

Test Case 1

```
Prepare itinerary for? (Noble, Knight, Merchant): Noble
Your Travel Plans, m'lord...

Your Destinations: Town3-> Town4-> Town7-> Town10-> END
Final Itinerary:
Town: Town3, Gold: 300, Distance: 10km
  VIP 1 Job: Fishmonger
  VIP 2 Job: Captain
  VIP 3 Job: Guard
Town: Town4, Gold: 150, Distance: 15km
  VIP 1 Job: Blacksmith
  VIP 2 Job: Adventurer
  VIP 3 Job: Wizard
Town: Town7, Gold: 180, Distance: 18km
  VIP 1 Job: Guard
  VIP 2 Job: Trader
  VIP 3 Job: Guard
Town: Town10, Gold: 320, Distance: 32km
  VIP 1 Job: Trader
  VIP 2 Job: Miner
  VIP 3 Job: Guard
```

Test Case 2

```
Prepare itinerary for? (Noble, Knight, Merchant): Knight
Criminals found here good sir...

Your Destinations: Town2-> Town6-> Town8-> Town9-> END
Final Itinerary:
Town: Town2, Gold: 200, Distance: 20km
  VIP 1 Job: Farmer
  VIP 2 Job: Trader
  VIP 3 Job: Bandit
Town: Town8, Gold: 220, Distance: 22km
  VIP 1 Job: Thief
  VIP 2 Job: Miner
  VIP 3 Job: Farmer
Town: Town9, Gold: 270, Distance: 27km
  VIP 1 Job: Blacksmith
  VIP 2 Job: Miner
  VIP 3 Job: Bandit
Town: Town6, Gold: 350, Distance: 35km
  VIP 1 Job: Bandit
  VIP 2 Job: Miner
  VIP 3 Job: Thief
```

Test Case 3

```
Prepare itinerary for? (Noble, Knight, Merchant): Merchant
Ooooh Investments...

Your gold:250
Your Destinations: Town1-> Town2-> Town4-> Town5-> Town7-> Town8-> END
Final Itinerary:
Town: Town4, Gold: 150, Distance: 15km
  VIP 1 Job: Blacksmith
  VIP 2 Job: Adventurer
  VIP 3 Job: Wizard
Town: Town7, Gold: 180, Distance: 18km
  VIP 1 Job: Guard
  VIP 2 Job: Trader
  VIP 3 Job: Guard
Town: Town2, Gold: 200, Distance: 20km
  VIP 1 Job: Farmer
  VIP 2 Job: Trader
  VIP 3 Job: Bandit
Town: Town8, Gold: 220, Distance: 22km
  VIP 1 Job: Thief
  VIP 2 Job: Miner
  VIP 3 Job: Farmer
Town: Town5, Gold: 250, Distance: 25km
  VIP 1 Job: Bandit
  VIP 2 Job: Farmer
  VIP 3 Job: Guard
Town: Town1, Gold: 100, Distance: 30km
  VIP 1 Job: Thief
  VIP 2 Job: Merchant
  VIP 3 Job: Guard
```

Test Case 4

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Prepare itinerary for? (Noble, Knight, Merchant): Kanye West
Invalid role entered.

Final Itinerary:
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Test Case 4

Prepare itinerary for? (Noble, Knight, Merchant): Merchant

Oooh Investments...

Your gold:320

Your Destinations: Town1-> Town2-> Town3-> Town4-> Town5-> Town7-> Town8-> Town9-> Town10-> END

Final Itinerary:

Town: Town3, Gold: 300, Distance: 10km

VIP 1 Job: Fishmonger

VIP 2 Job: Captain

VIP 3 Job: Guard

Town: Town4, Gold: 150, Distance: 15km

VIP 1 Job: Blacksmith

VIP 2 Job: Adventurer

VIP 3 Job: Wizard

Town: Town7, Gold: 180, Distance: 18km

VIP 1 Job: Guard

VIP 2 Job: Trader

VIP 3 Job: Guard

Town: Town2, Gold: 200, Distance: 20km

VIP 1 Job: Farmer

VIP 2 Job: Trader

VIP 3 Job: Bandit

Town: Town8, Gold: 220, Distance: 22km

VIP 1 Job: Thief

VIP 2 Job: Miner

VIP 3 Job: Farmer

Town: Town5, Gold: 250, Distance: 25km

VIP 1 Job: Bandit

VIP 2 Job: Farmer

VIP 3 Job: Guard

Town: Town9, Gold: 270, Distance: 27km

VIP 1 Job: Blacksmith

VIP 2 Job: Miner

VIP 3 Job: Bandit

Town: Town1, Gold: 100, Distance: 30km

VIP 1 Job: Thief

VIP 2 Job: Merchant

VIP 3 Job: Guard

Town: Town10, Gold: 320, Distance: 32km

VIP 1 Job: Trader

VIP 2 Job: Miner

VIP 3 Job: Guard