Algorithm:

Input Character Name

1. Input Character Name

Choose Ship

2. Choose Ship

3. Input Ship Name

4. Travel to planets

5. Buy and Sell

Input Ship Name

6. Accumulate money

7. Unlock Tier 2

Display character

Display planets

Choose

Planet

Display Planet 2

If Planet 1 If Planet 2

Display planet 1

Is the user buying or selling?

Is the user buying or selling?

If Home

Display home planet

If Buying If Selling If Buying If Selling If\ SSSselling

Display seller’s menu

Display planet’s menu

Display seller’s menu

Display planet’s menu

Calculate users exchange and display new total

Calculate users exchange and display new total

Did player unlock next tier

If no

Display Tier 2

Choose

Planet

Display planets

If Planet 4

Display

planet 4

If Planet 1

Display planet 1

If Planet 3

Display Planet 3

If Planet 2 If Home

Display home planet

Display Planet 2

Is the user buying or selling?

Is the user buying or selling?

If Buying If Selling If Buying If Selling

Display seller’s menu

Display planet’s menu

Display planet’s menu

Display seller’s menu

Calculate users exchange and display new total

Did player unlock next tier

Calculate users exchange and display new total

Algorithm

1. Travel to Planets If no

Display Tier 3

1. Buy and Sell
2. Accumulate Money

4. Unlock Tier 3

Display Planet 1

Choose

Planet

Display planets

If Planet 1 If Planet 6

Display

Planet 6

If Planet 2

Display Planet 2

If Planet 4 If Planet 5

Display Planet 5

Display Planet 4

If Planet 3 If Home

Display Planet 3

Display home planet

Is the user buying or selling?

Is the user buying or selling?

If Buying If Selling If Buying If Selling

Display seller’s menu

Display planet’s menu

Display planet’s menu

Display seller’s menu

Calculate users exchange and display new total

Did player unlock next tier

Calculate users exchange and display new total

Algorithm

1. Travel to Planets If no

2. Buy and Sell

2. Accumulate money

Display “You Win”

3. Unlock Ship

4. YOU WIN!!!!