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COURSE: Bsc. IT.

ARTIFICIAL INTELLIGENCE ASSIGNMENT 2

Task:

ASSIGNMENT II

Opened: Tuesday, 8 July 2025, 12:00 AM


Due: Sunday, 13 July 2025, 11:59 PM

Design a knowledge representation system for a specific domain (e.g., a library, a restaurant). Specify the types of knowledge you would need to represent, the method you would use, and the reasoning capabilities your system would support.

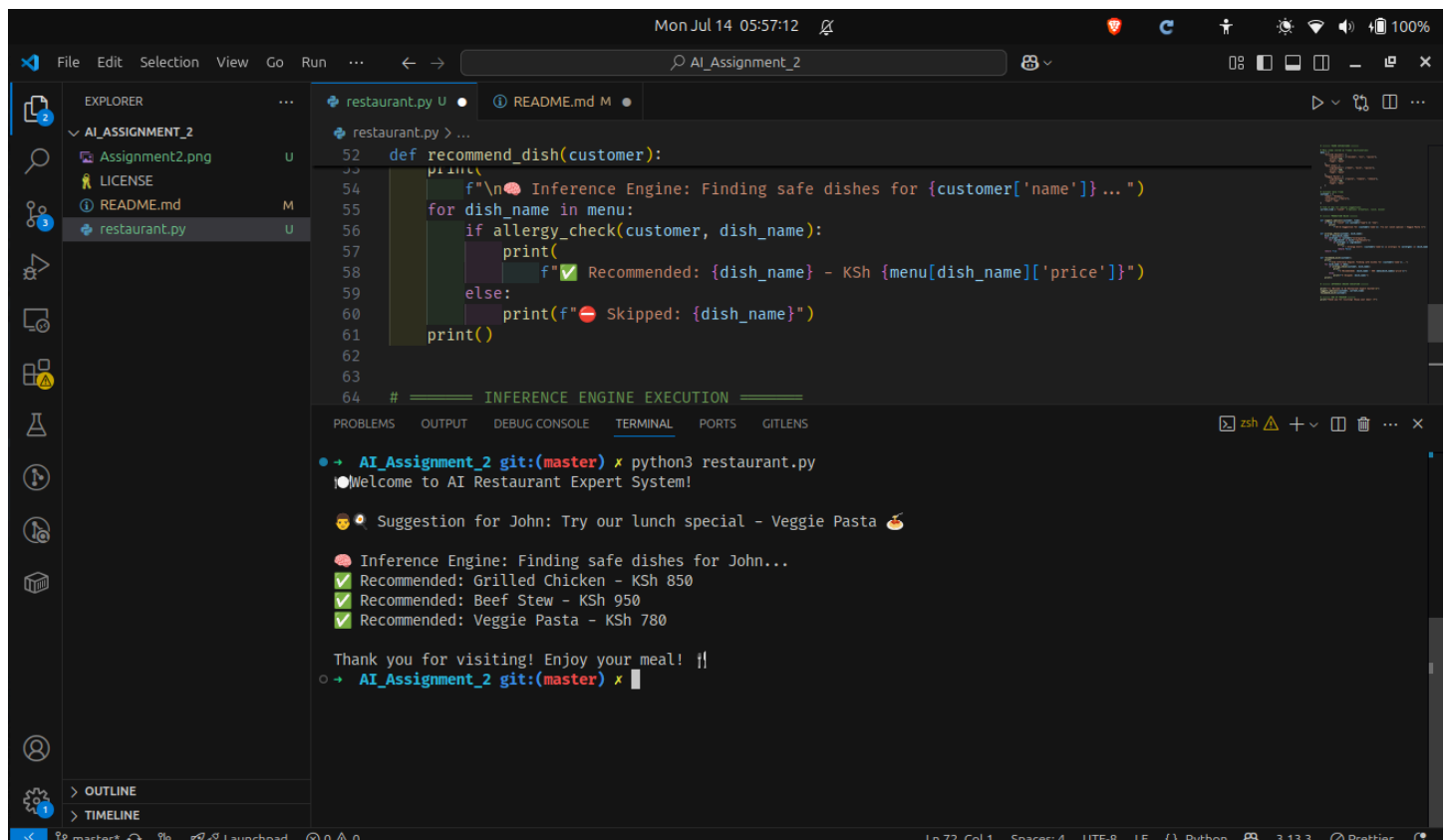
Add submission

Solution:

GITHUB:

 **GitHub - CodesByEtemesi/AI_Assignment_2:** This assignment is for the MAY-AUG t...

Sample Output:



```
Mon Jul 14 05:57:12
File Edit Selection View Go Run ...
AI_Assignment_2
Assignment2.png U
LICENSE
README.md M
restaurant.py U

restaurant.py
52 def recommend_dish(customer):
53     print()
54     f"\n🍷 Inference Engine: Finding safe dishes for {customer['name']} ..."
55     for dish_name in menu:
56         if allergy_check(customer, dish_name):
57             print()
58             f"✅ Recommended: {dish_name} - KSh {menu[dish_name]['price']}"
59         else:
60             print(f"❌ Skipped: {dish_name}")
61     print()
62
63
64 # ===== INFERENCE ENGINE EXECUTION =====

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS
zsh
• AI_Assignment_2 git:(master) x python3 restaurant.py
Welcome to AI Restaurant Expert System!

👋 Suggestion for John: Try our lunch special - Veggie Pasta 🍝

🍷 Inference Engine: Finding safe dishes for John...
✅ Recommended: Grilled Chicken - KSh 850
✅ Recommended: Beef Stew - KSh 950
✅ Recommended: Veggie Pasta - KSh 780

Thank you for visiting! Enjoy your meal! 🍴
• AI_Assignment_2 git:(master) x
```