

CSCE 240: Advanced Programming Techniques

Lecture 26: Quiz2

PROF. BIPLAV SRIVASTAVA, AI INSTITUTE

13TH APRIL 2023

Carolinian Creed: “I will practice personal and academic integrity.”

Credits: Some material reused with permission of Dr. Jeremy Lewis.
Others used as cited with thanks.

Organization of Lecture 26

- Introduction Section
 - Recap of Lecture 25
- Main Section
 - Quiz 2
- Concluding Section
 - About next lecture – Lecture 27
 - Ask me anything

Introduction Section

Recap of Lecture 25

- Quiz 6 peer evaluation
- Project –
 - Students presented design and highlights of the project code – PA1 to PA5
 - We decided on PA6 option to support 6 diseases -- Polio, HIV, Scabies, Measles, Avian Flu, Rabies
 - All students work together for a single chatbot.
 - Roles defined for building overall chatbot
 - A student will volunteer for each role; Quiz 2 will be about assessing everyone's code relevant to that role and making a decision
 - PA6 will be based on outcome of Quiz 2.
- Also reviewed remainder classes

Main Section

Quiz 2 - 1 of 2

- Tasks related to PA1-PA5 and student code
- Responsibilities for final chatbot
 - R1: Obtain content (PA1)
 - R2: Data integration and optimization (PA2)
 - R3: Handle user interaction (PA3, PA4)
 - R4: Show results and statistics (P5)
 - R5: Integrate – build final system
 - R6: Test – evaluate system and drive improvements by R1-R5.

- Prog 1: extract data from the district [\[prog1-extractor\]](#)
- Prog 2: process it (extracted data) based on questions [\[prog2processor\]](#)
- Prog 3: make content available in a command-line interface [\[prog3-ui\]](#)
- Prog 4: handle any user query [\[prog4-userintent2querymapper\]](#)
- Prog 5: report statistics on interaction of a session, across sessions [\[prog5-sessionlogger\]](#)

Due – end of class

Quiz 2 - 2 of 2

Quiz activity

- Pick a role (R1– R6)
- Do as per Quiz 2 instructions in flier

- Responsibilities for final chatbot
 - R1: Obtain content (PA1)
 - R2: Data integration and optimization (PA2)
 - R3: Handle user interaction (PA3, PA4)
 - R4: Show results and statistics (P5)
 - R5: Integrate – build final system
 - R6: Test – evaluate system and drive improvements by R1-R5.

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Due – end of class

About Next Lecture – Lecture 27

Lectures 27: Multi-threading and Project Discussion

- Project discussion for P6
- Multi-threading

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|----|-------------|---|---------------------------------------|
| 23 | Apr 4 (Tu) | Advanced: Templates | |
| 24 | Apr 6 (Th) | AI / ML and Programming | Prog 5 – end |
| 25 | Apr 11 (Tu) | Project code summary – student presentation for reuse Review material for Quiz 2 | HW 6 due Prog 6 – assembling start |
| 26 | Apr 13 (Th) | In class test | Quiz 2 – In class |
| 27 | Apr 18 (Tu) | Multi-threading, Project discussion | |
| 28 | Apr 20 (Th) | Project presentation | Prog 6 - due Last day of class |
| | Apr 25 (Tu) | | Reading Day |
| 29 | May 2 (Tu) | 9am – Final Overview | Examination |