

Software Engineering Bootcamp

Final Assignment

Deadline 18 / 3 / 2023 12.00 PM

1. MCQ Challenge

https://docs.google.com/forms/d/e/1FAIpQLSezHzsk0D6tyN5dMcCa0bn64FCVz-pfGTzJkxLCt0fu2D-mhA/viewform?usp=share_link

2.

- a. Explain upcasting and down casting with two suitable examples including a diagram.
- b. What are the applications that you can apply HashSet and HashTable ? Provide suitable examples.
- c. Explain the difference between Stack and Heap with suitable diagrams?
- d.

3. Write a Java chatbot application with an integration to ChatGPT API to help customers who ask about products from an online sales store ?

- a. Create a ChatGPT account.
- b. Generate a API KEY and integrate with your java application
- c. Keep an interface to ask questions and display answers.
- d. Utilize your skills of OOP, threads, data structures which you learnt during the bootcamp program.