



THE UNIVERSITY OF THE WEST INDIES, ST AUGUSTINE
COMP 2603 OBJECT ORIENTED PROGRAMMING 1
ASSIGNMENT 1 GRADE SHEET
2023/2024 SEMESTER 2

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80%

CRITERIA	MARK
ChatBot Generator	6
ChatBot	34
ChatBotPlatform	13
ChatBotSimulation	12
Bonuses	5, 10
TOTAL	80

COMMENTS FROM THE MARKER
Needs Improvement

PROGRAM

TEST	RESULT	MARKS
Compiles successfully	Pass	5
Runs successfully	Pass	10
Passes all test perfectly	Fail	10

CHATBOT GENERATOR

TEST	RESULT	MARKS
generateChatBotLLM is static	Fail	1
Returns 'LLaMa' for code 1	Pass	1
Returns 'Mistral7B' for code 2	Pass	1
Returns 'Bard' for code 3	Pass	1
Returns 'Claude' for code 4	Pass	1
Returns 'Solar' for code 5	Pass	1
Returns 'ChatGPT-3.5' for invalid codes	Pass	1

CHATBOT SIMULATION

TEST	RESULT	MARKS
Starts with 'Hello World!'	Pass	1
ChatBotPlatform is initialized	Pass	1
All ChatBot models present	Pass	2
Initial summary statistics present	Pass	1
Correct initial summary statistics	Pass	1
At least one chatbot interaction	Pass	1
Response message from chatbot	Pass	1
Incorrect bot number interaction	Pass	1
15 interactions with ChatBots	Pass	1
Final summary statistics present	Pass	1
Correct final summary statistics	Pass	1

CHATBOT PLATFORM

TEST	RESULT	MARKS
ChatBotPlatform constructor	Pass	1
Bots collection is private	Pass	1
Bots collection is initialized	Pass	1
Bots is ArrayList<ChatBot>	Pass	1
One ChatBot added	Pass	1
Multiple ChatBots Added	Pass	1
Bots count increments	Pass	1
Limit check successful	Fail	1
No ChatBots added after limit	Fail	1
Bot numbers in ChatBot list	Pass	1
Bot names in ChatBot list	Pass	1
Message counts displayed	Pass	1
Total messages used displayed	Fail	1
Remaining messages accurate	Fail	2
Valid bot interaction	Fail	1
Invalid bot interaction, negative index	Fail	1
Invalid bot interaction, out-of-range index	Pass	1
Invalid bot interaction, index is list size	Pass	1
Interaction after daily limit reached	Pass	1

CHATBOT

TEST	RESULT	MARKS
chatBotName attribute is private, String	Pass	1
numResponsesGenerated attribute is private, int	Pass	1
messageLimit attribute exists	Pass	1
messageLimit attribute is private, static, int	Pass	1
messageLimit is set to 10	Pass	1
messageNumber attribute exists	Pass	1
messageNumber is static, private and set to 0	Pass	1
Default ChatBot constructor	Pass	1
Default ChatBot name is 'ChatGPT-3.5'	Pass	1
Initial response count set to 0	Pass	1
Overloaded constructor	Pass	1
Sets appropriate name for valid LLM codes	Pass	1
Set name to 'ChatGPT-3.5' for invalid LLM codes	Pass	1
getChatBotName returns correct name	Pass	1
numResponsesGenerated increases after prompt	Pass	1
getTotalNumResponsesGenerated is static	Pass	1
getTotalNumResponsesGenerated is static	Pass	1
getTotalNumMessagesRemaining is static	Pass	1

TEST	RESULT	MARKS
Total remaining messages is correct	Pass	1
Total remaining messages reached zero	Pass	1
limitReached is static	Pass	1
limitReached initially returns false	Pass	1
limitReached returns true at message limit	Pass	1
generateResponse is private	Pass	1
generateResponse increments numResponsesGenerated and messageNumber	Pass	1
generateResponse returns String	Pass	1
Generated response matches format	Fail	1
Generated response has unique message number	Fail	1
toString includes 'ChatBot Name' header	Pass	1
toString includes bot name	Pass	1
toString includes 'Number Messages Used' header	Pass	1
toString includes correct number of responses generated	Pass	1
prompt returns string with 'Response from'	Pass	1
Response counters update correctly	Pass	1
prompt returns appropriate response when message limit is reached	Pass	1
Generated response and remaining message counters stay consistent	Pass	1