**Django ChatterBot Terminal Client Assignment Report**

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2025 Summer - Advance Artificial Intelligence (MSCS-633-A01) - First Bi-term

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*Github: https://github.com/mbista25742/MSCS-633-A01/tree/main/assignment3*

**1. Project Overview**

This report documents the development of a terminal-based chat client using Django and ChatterBot. The application enables users to interact with an AI-powered conversational bot through a command-line interface.

**GitHub Repository:** *Github: https://github.com/mbista25742/MSCS-633-A01/tree/main/assignment3*

**2. Environment Setup**

Successfully installed Django and ChatterBot with all required dependencies. Environment is configured and ready for development.

**3. Application Testing and Demonstration**

**3.1 Basic Conversation Test**

A screenshot of a computer

AI-generated content may be incorrect.

**4. Source Code Documentation**

**4.1 Project Structure**

**A screenshot of a computer

AI-generated content may be incorrect.**

**4.2 Main Implementation Code**

**Core Application Code**

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**6. Repository and Manifest**

**6.1 Manifest/Requirements File**

A screenshot of a computer program

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**7. Conclusion**

The terminal chat client has been successfully implemented using Django and ChatterBot. The application demonstrates proper integration of machine learning-based conversational AI with a clean terminal interface. All technical requirements have been met, and the code follows best practices with comprehensive commenting.

**8. References**

https://github.com/gunthercox/ChatterBot