HR ChatBot Key Notes

Project Name:

Logging:

HR AI ChatBot Integration

User Role:
Senior ASP.NET Developer (HR Application Domain)
Purpose:
Enhance HR application with AI capabilities (chat-driven interface).
LLM Integration:
OpenAl GPT-4 via Azure OpenAl Service for intent classification and command extraction.
Architecture:
Hybrid approach: MVC-based Chat UI > ChatController API > GPT > Internal HR APIs.
Action Routing:
JSON-based 'actions-config.json' file to dynamically route parsed actions.
Key Commands:
ShowLeave, ApplyLeave, ApproveLeave, CancelLeave, WithdrawLeave
ChatCommand Model:
Standardized model including Empld, LeaveType, StartDate, EndDate, LeaveId.
Internal APIs:
ASP.NET MVC API controllers handle CRUD for leave management.
Security:
Access via internal API secured using role-based filters and validated inputs.
Error Handling:
Returns 'Unknown' for unsupported or ambiguous user inputs.
Prompt Patterns:
Modular JSON prompt templates per intent (stored in CommandClassifier, ApplyLeave, etc).

Custom file logging for GPT request, response, and internal API calls.

Date Handling:

Standardized format 'yyyy-MM-dd' for parsing and routing dates.

Frontend:

Razor-based MVC chat view (chat bubble format, async messaging).