

Requirements for Book Recommendation Chatbot

1. Technical Requirements

Software & Tools:

- IBM Watsonx Assistant (Dialog, Intents, Entities)
- IBM Cloud Account
- Web Browser (Chrome, Firefox, Edge)
- PowerPoint or Google Slides
- GitHub (optional)
- VS Code / Notepad++ (optional)

Services Used:

- Watson Assistant (Dialog, Intents, Entities)
- Slot-filling logic
- Disambiguation settings
- Try It Out panel for testing

2. Functional Requirements

User Inputs:

- Genre (e.g., Mystery, Romance, Sci-Fi)
- Mood (e.g., Emotional, Adventurous, Light-hearted)
- Favorite Author (Optional)

Chatbot Must:

- Understand input via Intents
- Extract data via Entities
- Recommend books based on combinations
- Provide greetings and farewells
- Handle incomplete input with follow-ups

- End conversation gracefully

3. Non-Functional Requirements

- Responsive and natural conversation
- Scalable: Easy to add more categories
- Maintainable: Dialogs are editable
- User-friendly: Simple UI and logic

4. Dataset / Book Info Requirements

- Book list categorized by:
 - Genre
 - Mood
 - Author
- Stored within Watson Assistant responses

5. User Requirements

- Users can start conversation without knowing flow
- Choose and change preferences freely
- Exit anytime using commands like 'Goodbye'