**Project Requirements – BookBot**

**Functional Requirements-**

1. **Chatbot Interface**
   * Users can interact with BookBot via a conversational UI.
   * Supports input via text-based chat.
   * Replies with book recommendations in a natural, friendly tone.
2. **Mood-Based Recommendations**
   * Users can input their **mood** (happy, sad, adventurous, etc.) or **genre preferences**.
   * Bot suggests appropriate books based on emotional tone or selected genre.
3. **Genre and Entity Recognition**
   * Detects and classifies:
     + Fiction vs Non-Fiction
     + Poetry, Drama, Motivational, Biographies, etc.
   * Responds with accurate book suggestions.
4. **Fallback Handling**
   * If mood or genre isn’t specified, the bot guides the user with questions or gives sample options.
5. **User Interaction Flow**
   * Friendly greetings, help messages, and recommendation loop.
   * Option to ask for another recommendation.

**🧠 Technical Requirements**

1. **Frontend**
   * HTML, CSS
   * Clean UI with chatbot window, icons, and book cover previews.
2. **AI / NLP Backend**
   * IBM Watson Assistant
     + Configured Intents (e.g., get\_book, mood\_happy, mood\_sad)
     + Entities (e.g., @genre, @mood)
     + Dialog Nodes for book suggestions, mood handling, etc.

**📷 Visual / Design Requirements**

* Clean, readable fonts and responsive layout

**⚙️ Setup Requirements**

* IBM Cloud account with Watson Assistant service active
* Web browser for local HTML file testing

**📌 Extras / Stretch Goals**

* Dynamic recommendations from a live database or API (e.g., Google Books API)
* Personalized user history or saved recommendations