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🧱 Step-by-Step Workflow

1. User Logs In

- User signs into the GenexAI platform (website).
- They create a "knowledge base" (like a folder) for a research topic — e.g., "heart disease in high-risk patients."

2. Search for Studies

- User types search terms (like "cardiac implants" or "mitral valve") to find studies.
- The system connects to PubMed and **downloads abstracts** (summaries of the research papers).

3. Save and Store

- The downloaded abstracts are stored in a **vector database**.
  - This allows the system to search using AI (based on meaning, not just keywords).
  - It also avoids **duplicates** and keeps data organized.

4. Ask Questions About the Studies

- The user can ask questions like:
  - "Who is the author?"
  - "Is this study about high-risk patients?"
  - "Was this study published after 2024?"
- These questions help understand or **filter** the studies.

5. Use Eligibility Criteria

- The system checks each study against **eligibility rules** set by the user:
  - ☑ **Inclusion**: Must mention certain things (e.g., "high-risk").
  - ❌ **Exclusion**: Must NOT mention other things (e.g., "adult patients" if you want only children).
- AI reads the abstract and decides if it matches the rules.

GenexAI Research Workflow

1. USER LOGIN

User Signs In to GenexAI Platform

Creates Knowledge Base for Research Topic

(e.g., "heart disease in high-risk patients")

2. SEARCH FOR STUDIES

User Enters Search Terms
(e.g., "cardiac implants")

System Connects to PubMed
Downloads Abstracts

3. SAVE AND STORE

Abstracts Stored in Vector Database

Enables AI-based searching and prevents duplicates

4. ASK QUESTIONS

User Asks Questions
(e.g., "Who is the author?")

AI Answers Questions
Helps filter studies

5. ELIGIBILITY CRITERIA

AI Checks Eligibility Rules
Inclusion/Exclusion Criteria

Activate Windows
Go to Settings to activate Windows.