Brainstorm & Idea Prioritization Template

Date: 26th JUNE 2025

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Project Name: HealthAI – IBM Granite-Powered Medical Assistant

# Step-1: Team Gathering, Collaboration and Select the Problem Statement

How might we build an AI-powered healthcare assistant that provides intelligent medical support, including symptom analysis, treatment suggestions, and health condition explanations using the IBM Granite 3.3 model integrated with Gradio?

# Step-2: Brainstorm, Idea Listing and Grouping

* Symptom Analysis

1. User enters symptoms in natural language
2. Model predicts possible conditions
3. Suggests diagnostic tests

* Health Condition Explanation

1. Input any disease name
2. Explains in simple terms
3. Provides causes, symptoms, and prevention tips

* Treatment Suggestions

1. Recommends home remedies for minor illnesses
2. Provides treatment plan for conditions
3. Gives warnings about self-medication

* User Interface & Experience

1. Gradio-powered clean and intuitive UI
2. Voice input support (future scope)
3. Instant response with minimal latency

* Personal Health Insights (Advanced/Future Ideas)

1. Patient profile tracking
2. Health history-based suggestions
3. Integration with wearable data (e.g., fitness trackers)

# Step-3: Idea Prioritization

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| --- | --- | --- | --- |
| Idea | Feasibility | Impact | Priority |
| Symptom input with natural language | High | High | ⭐⭐⭐⭐ |
| Disease explanation with simple text | High | High | ⭐⭐⭐⭐ |
| Treatment recommendation (non-emergency) | Medium | High | ⭐⭐⭐ |
| Home remedies suggestions | High | Medium | ⭐⭐ |
| Gradio UI with model integration | High | High | ⭐⭐⭐⭐ |
| Personal profile & health tracking | Low | High | ⭐⭐ |
| Integration with wearable devices | Low | Medium | ⭐ |
| Voice input interface | Medium | Medium | ⭐⭐ |

Final Prioritized Features for MVP (Minimum Viable Product):

* Symptom analysis using Granite model
* Disease explanation
* Basic treatment suggestions
* Gradio interface