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HealBuddy – Synopsis

1. **Title**

HealBuddy

2. **Introduction**

The Symptom Checker Website is a simple tool designed to help users understand what common health issues may be related to symptoms they select. It uses basic rule-based logic to match symptoms with possible conditions and provides general advice. It is meant for awareness only and not for medical diagnosis.

3. **Objectives**

- Allow users to check symptoms quickly.

- Provide basic information about common conditions.

- Keep the interface simple, clean, and easy to use.

4. **Scope**

The website includes symptom selection, basic condition mapping, and a results page with general advice. It does not provide medical diagnosis, treatment, or emergency guidance.

5. **Methodology**

- Identify key symptoms and user requirements.

- Design simple UI pages.

- Develop frontend using HTML, CSS, and JavaScript.

- Implement rule-based symptom logic.

- Test symptom combinations and fix issues.

- Finalize, deploy, and document the system.

6. **Tools & Technologies**

- HTML, CSS, JavaScript

- JSON for symptom mapping

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- VS Code

- GitHub Pages / Netlify (optional for hosting)

7. **Timeline**

- Week 1: Planning & symptom list

- Week 2: UI design

- Week 3–4: Development

- Week 5: Testing

- Week 6: Deployment & documentation

8. **Resources**

- Health information websites (WebMD, Mayo Clinic, Healthline)

- Web development sites (MDN, W3Schools)

- Laptop, browser, and code editor

9. **Expected Outcome**

A clean, user-friendly website that allows users to select symptoms and view possible common causes along with general advice. It will serve as a simple awareness tool and a strong academic project.

10. **References**

- WebMD Symptom Guide

- Mayo Clinic Symptom Checker

- W3Schools

Probability (normalized score)
Values like 0.71, 0.44, 0.91 indicate that the model/dataset creator normalized the association to the range 0–1.
Example:

- Weight 0.91 → Very common / highly indicative symptom
- Weight 0.44 → Moderately common
- Weight 0.10 → Weak indicator