Ontology Requirements Specification Document

1. Purpose

The objective of developing the ontology presented here is to provide a structured knowledge model to assist healthcare professionals in diagnosing GAD in adults.

2. Scope

The focus of the ontology is to organize the concepts surrounding GAD in a structured manner.

3. Language

The ontology will be developed in OntoUML and later translated to OWL.

4. Intended Users

User 1: Mental health professionals (psychologists, psychiatrists, etc.).

5. Intended Uses

Use 1: To create a structured graphical concept regarding GAD.
Use 2: To associate patient behavior patterns and symptoms with a potential diagnosis of GAD, helping healthcare professionals to better support their analysis.

6. Non-Functional Requirements

NFR 1: The ontology must be based on the key reference materials in the field of mental health.
NFR 2: The ontology must be available for free on a GitHub repository.

7. Functional Requirements

Competency Question
CQ 1: What types of symptoms are there?
CQ 2: What types of comorbidities are related to GAD?
CQ 3: What is the frequency and intensity of the symptoms?
CQ 4: What types of treatment are recommended?