Anemone

Design Report
Hypermedia Applications
A.Y. 23/24

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Demo   https://anemone-ten.vercel.app
Repo   https://github.com/yan-2/Anemone

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1 Abstract

This project is about designing and implementing the website of a nonprofit organization called Anemone, whose purpose is to assist women who are abused or in need of assistance. The design process, as outlined in this document, comprised four main stages :

- **Conceptual Design**
  In this initial phase, the fundamental functionalities of the website were delineated, encompassing both *in the large* and *in the details* levels. A website tree was delineated in accordance with the IDM specifications, accompanied by a definition of the content organization within the pages.

- **Visual Design**
  The visual design process involved the creation of low-fidelity wireframes to facilitate a shared understanding of the final page layout and to streamline the implementation phase. Following this, high-fidelity mock-ups were created to demonstrate the page content as well as its interaction capabilities.

- **Interaction Scenarios**
  Multiple use case scenarios were then defined in order to demonstrate the website's structural and design integrity across the majority of its pages.

- **Database Design**
  Lastly, we furnish the Entity Relationship diagram and the relational tables of the database, enhancing comprehension of the backend structure of the implemented website.

2 Conceptual Design

2.1 CIDM Diagram

The general structure of the website was defined using the C-IDM in the large notation. This method ensures that particular attention is paid to the relations among topics within groups and their cardinality, which is defined as the expected minimum and maximum number of instances of a topic or relation.

A detailed preview of the page content was crafted using the C-IDM in the small notation, presented as Content Tables.

2.2 Mapping

The content tables in the preceding section have the same name as the pages they represent. The following section presents the manner in which they are connected.

2.3 PIDM Diagram

The P-IDM notation was used to define the navigation capabilities of the website. This resulted in a tree-like structure with the homepage as the root, from which every page is eventually reachable.