



POLITECNICO
MILANO 1863

Design Document

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Abstract

The purpose of this document is to show the stages for the design and development of the website for the company Secure Network. In particular, we will focus on the frontend development of the site describing the design in the large and in the small through the diagrams C-IDM and P-IDM. We will report some images of the final graphics of the site and illustrate hypothetical scenarios of interaction with it. Finally, we will present the database structure designed to support the site with the respective E-R diagram.

C-IDM Diagram

In this section we report the C-IDM diagram that we used as a basic structure for the development of the design of our website.

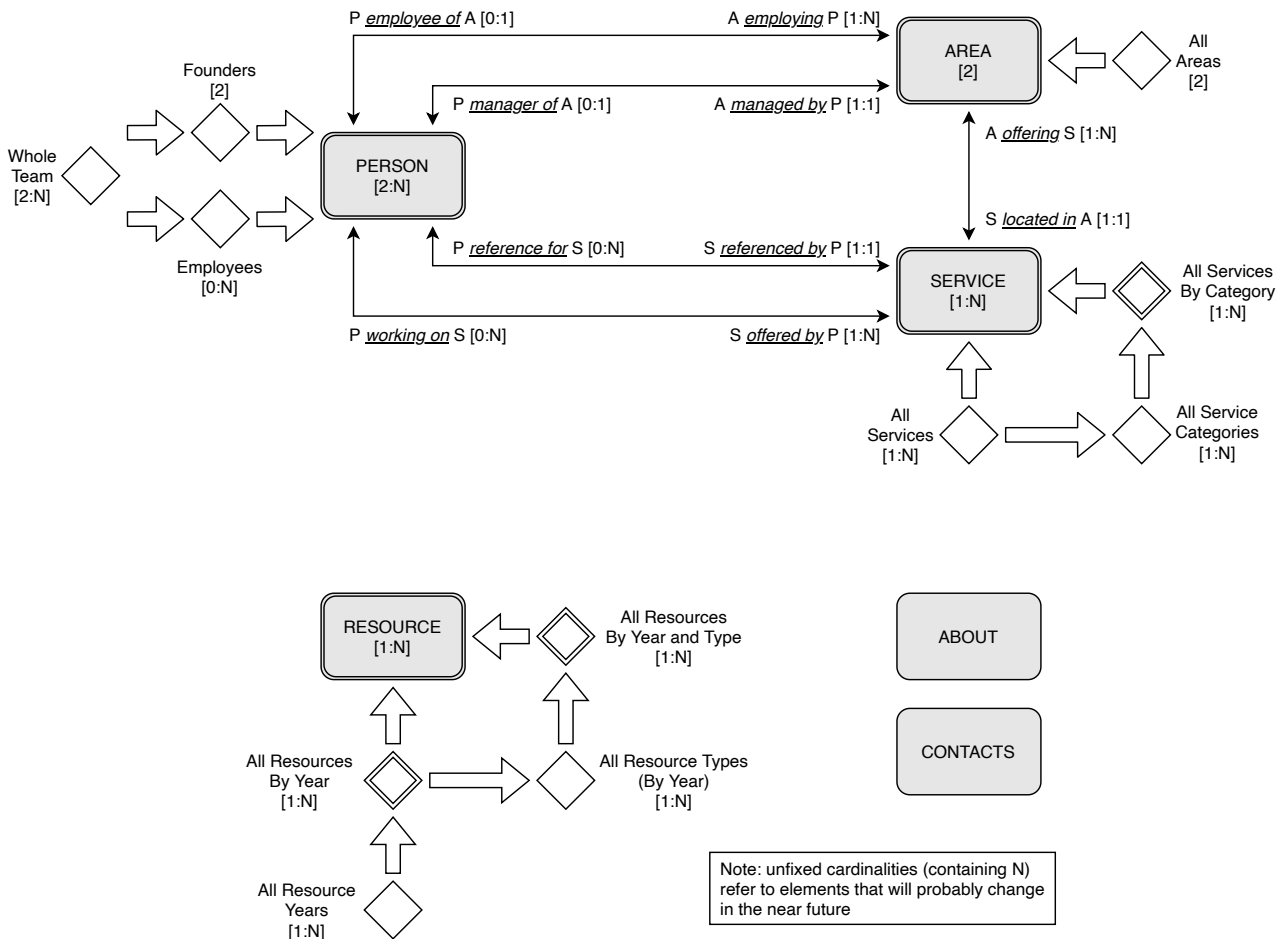


Figura 2.1: C-IDM Diagram

Content tables

Here we illustrate the content tables that expand the C-IDM diagram of the previous chapter.

GROUP: All Resource Years
TITLE: "All Our Resources Year By Year"
COVER: Image (Decorative)
SECTION TITLE: "Select Any Year"
YEARS PREVIEW: List [Year, List [Number of resources for each type, Type of resource]]

MULTIPLE GROUP: All Resources by Year X
TITLE: "All Resources Of" + Year
COVER: Image (Decorative)
RESOURCES PREVIEW: List [Date, Subtitle (max 15 words)]

GROUP: All Resource Types by Year X
SECTION TITLE: "Filter Resources By"
FILTERS: All resources, List [Type of resource]

MULTIPLE GROUP: All Resources by Year X and Type Y
TITLE: "All Resources Of" + Year
COVER: Image (Decorative)
RESOURCES PREVIEW: List [Date, Subtitle (max 15 words)]

KIND OF TOPIC: Resource X
TITLE: Resource Date
SUBTITLE: Resource Title (max 10 words)
COVER: Image (Decorative)
SECTION TITLE: Resource Subtitle (max 15 words)
RESOURCE: Text (max 150 words + external links)

<div> <div>TOPIC: About</div> <div> <div>TITLE: "About Us"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Your Protection, Our Mission"</div> <div>MISSION: Text (max 150 words)</div> <div>SECTION TITLE: "It Is Not A Matter Of If, But When And How"</div> <div>THREATS: List [Name, Description (max 50 words)]</div> </div> </div>	<div> <div>GROUP: All Areas</div> <div> <div>TITLE: "Our Fields Of Expertise"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Overview"</div> <div>INTRODUCTION: Text (max 150 words)</div> <div>AREAS PREVIEW: List [Image, Name, Abstract of Description (max 25 words)]</div> </div> </div>
<div> <div>TOPIC: Contacts</div> <div> <div>TITLE: "Let's Connect"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "We Can Guarantee Your Protection Together"</div> <div>EMAIL FORM: Inputs [Name, Email, Subject, Message]</div> <div>SECTION TITLE: "Come And See Us"</div> <div>HOW TO REACH US: Text (max 20 words)</div> <div>CONTACT INFO: Phone Number, Email Address</div> <div>HEADQUARTERS: List [Address, Map]</div> </div> </div>	<div> <div>KIND OF TOPIC: Area X</div> <div> <div>TITLE: Area Name</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "About This Area"</div> <div>AREA DESCRIPTION: Text (max 150 words)</div> </div> </div>
<div> <div>GROUP: Whole Team</div> <div> <div>TITLE: "A Cutting-Edge Team Of Researchers"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Who We Are"</div> <div>TEAM DESCRIPTION: Text (max 150 words)</div> </div> </div>	<div> <div>GROUP: All Services</div> <div> <div>TITLE: "All Available Services"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Full Coverage To Meet Specific Demands"</div> <div>INTRODUCTION: Text (max 150 words)</div> <div>SERVICES PREVIEW: List [Image, Name, Abstract of Description (max 15 words)]</div> </div> </div>
<div> <div>GROUP: Founders</div> <div> <div>SECTION TITLE: "Our Founders"</div> <div>FOUNDERS PREVIEW: List [Portrait, Name, Abstract of the biography (max 25 words)]</div> </div> </div>	<div> <div>GROUP: All Service Categories</div> <div> <div>TITLE: "All Service Categories"</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Full Coverage To Meet Specific Demands"</div> <div>INTRODUCTION: Text (max 150 words)</div> <div>CATEGORIES PREVIEW: List [Name, Abstract of Description (max 15 words)]</div> </div> </div>
<div> <div>GROUP: Employees</div> <div> <div>SECTION TITLE: "Our Employees"</div> <div>EMPLOYEES PREVIEW: List [Portrait, Name]</div> </div> </div>	<div> <div>MULTIPLE GROUP: All Services by Category X</div> <div> <div>TITLE: Category Name</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "About This Category"</div> <div>INTRODUCTION: Text (max 150 words)</div> <div>SERVICES PREVIEW: List [Image, Name, Abstract of Description (max 15 words)]</div> </div> </div>
<div> <div>KIND OF TOPIC: Person X</div> <div> <div>TITLE: Person Full Name</div> <div>COVER: Image (Person Portrait)</div> <div>SECTION TITLE: "About" + Person Name</div> <div>BIOGRAPHY: Text (max 150 words)</div> </div> </div>	<div> <div>KIND OF TOPIC: Service X</div> <div> <div>TITLE: Service Name</div> <div>COVER: Image (Decorative)</div> <div>SECTION TITLE: "Service Overview"</div> <div>DESCRIPTION: Text (max 150 words)</div> </div> </div>

Figura 3.1: Content tables (C-IDM in the small)

Mapping Content Tables into Pages

Continuing, we present the result of the application of the process of page mapping to the content tables reported in the last chapter.

<div> <div>TOPIC: About</div> <div> <div>PAGE: About - Welcome</div> <div>TITLE: "About Us"</div> <div>COVER: Image (Decorative)</div> </div> <div> <div>PAGE: About - Mission</div> <div>SECTION TITLE: "Your Protection, Our Mission"</div> <div>MISSION: Text (max 150 words)</div> </div> <div> <div>PAGE: About - Threats</div> <div>SECTION TITLE: "It Is Not A Matter Of If, But When And How"</div> <div>THREATS: List [Name, Description (max 50 words)]</div> </div> </div>	<div> <div>GROUP: Whole Team</div> <div> <div>PAGE: Team - Welcome</div> <div>TITLE: "A Cutting-Edge Team Of Researchers"</div> <div>COVER: Image (Decorative)</div> </div> <div> <div>PAGE: Team - Info</div> <div>SECTION TITLE: "Who We Are"</div> <div>TEAM DESCRIPTION: Text (max 150 words)</div> </div> <div> <div>GROUP: Founders</div> <div> <div>PAGE: Team - Founders</div> <div>SECTION TITLE: "Our Founders"</div> <div>FOUNDERS PREVIEW: List [Portrait, Name, Abstract of the biography (max 25 words)]</div> </div> </div> </div>
<div> <div>TOPIC: Contacts</div> <div> <div>PAGE: Contacts - Welcome</div> <div>TITLE: "Let's Connect"</div> <div>COVER: Image (Decorative)</div> </div> <div> <div>PAGE: Contacts - Email Form</div> <div>SECTION TITLE: "We Can Guarantee Your Protection Together"</div> <div>EMAIL FORM: Inputs [Name, Email, Subject, Message]</div> </div> <div> <div>PAGE: Contacts - Practical Info</div> <div>SECTION TITLE: "Come And See Us"</div> <div>HOW TO REACH US: Text (max 20 words)</div> <div>CONTACT INFO: Phone Number, Email Address</div> <div>HEADQUARTERS: List [Address, Map]</div> </div> </div>	<div> <div>GROUP: Employees</div> <div> <div>PAGE: Team - Employees</div> <div>SECTION TITLE: "Our Employees"</div> <div>EMPLOYEES PREVIEW: List [Portrait, Name]</div> </div> </div> <div> <div>KIND OF TOPIC: Person X</div> <div> <div>PAGE: Person X - Welcome</div> <div>TITLE: Person Full Name</div> <div>COVER: Image (Person Portrait)</div> </div> <div> <div>PAGE: Person X - Personal Info</div> <div>SECTION TITLE: "About" + Person Name</div> <div>BIOGRAPHY: Text (max 150 words)</div> </div> </div>

GROUP: All Areas
PAGE: Areas - Welcome
TITLE: "Our Fields Of Expertise"
COVER: Image (Decorative)
PAGE: Areas - Introduction
AREAS PREVIEW: List [Image, Name, Abstract of Description (max 25 words)]
PAGE: Areas - Previews
AREAS PREVIEW: List [Image, Name, Abstract of Description (max 25 words)]

GROUP: All Service Categories
PAGE: Categories - Welcome
TITLE: "All Service Categories"
COVER: Image (Decorative)
PAGE: Categories - Introduction
SECTION TITLE: "Full Coverage To Meet Specific Demands"
INTRODUCTION: Text (max 150 words)
PAGE: Categories - Previews
CATEGORIES PREVIEW: List [Name, Abstract of Description (max 15 words)]

KIND OF TOPIC: Area X
PAGE: Area X - Welcome
TITLE: Area Name
COVER: Image (Decorative)
PAGE: Area X - Info
SECTION TITLE: "About This Area"
AREA DESCRIPTION: Text (max 150 words)

MULTIPLE GROUP: All Services by Category X
PAGE: Category X - Welcome
TITLE: Category Name
COVER: Image (Decorative)
PAGE: Category X - Introduction
SECTION TITLE: "About This Category"
INTRODUCTION: Text (max 150 words)
PAGE: Category X - Previews
SERVICES PREVIEW: List [Image, Name, Abstract of Description (max 15 words)]

GROUP: All Services
PAGE: Services - Welcome
TITLE: "All Available Services"
COVER: Image (Decorative)
PAGE: Services - Introduction
SECTION TITLE: "Full Coverage To Meet Specific Demands"
INTRODUCTION: Text (max 150 words)
PAGE: Services - Previews
SERVICES PREVIEW: List [Image, Name, Abstract of Description (max 15 words)]

KIND OF TOPIC: Service X
PAGE: Service X - Welcome
TITLE: Service Name
COVER: Image (Decorative)
PAGE: Service X - Info
SECTION TITLE: "Service Overview"
DESCRIPTION: Text (max 150 words)

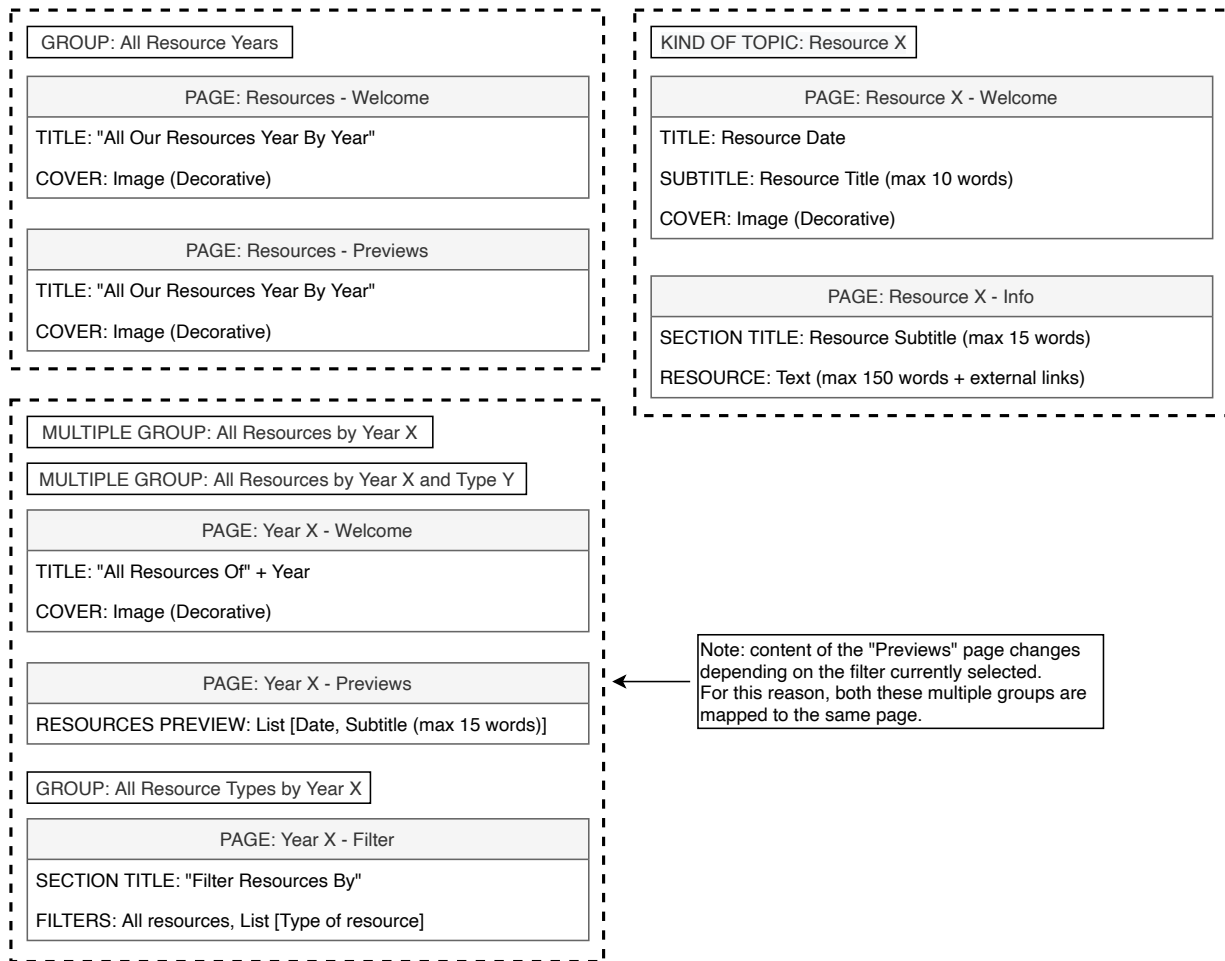


Figura 4.1: Pages mapping

P-IDM diagram

In this section we report the P-IDM diagram which describes the navigation design of our website.

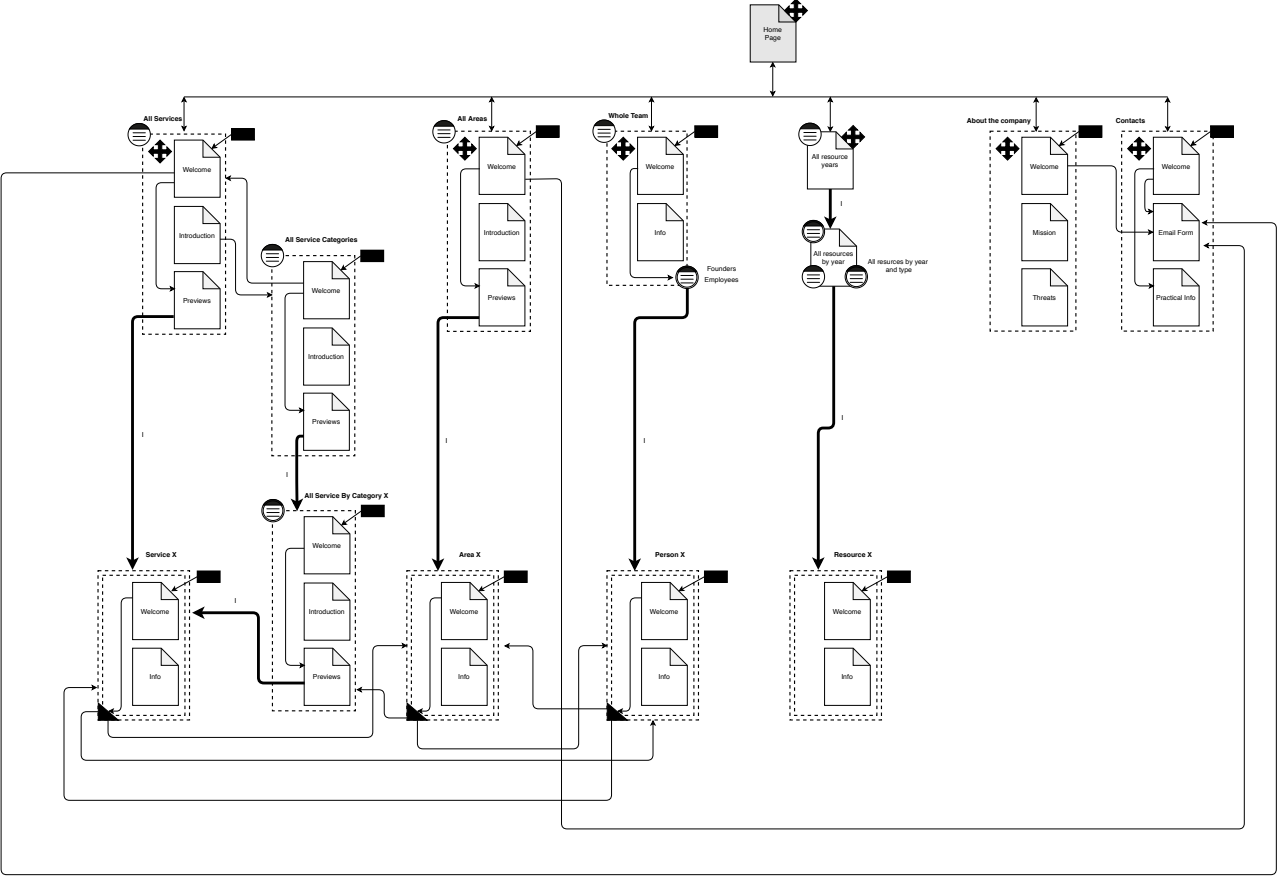


Figura 5.1: P-IDM Diagram

Visual Design

Ciao

Interaction Scenarios

DB Design

In this last chapter we report the structure of the database designed by us to support the website and manage the information contained in it.

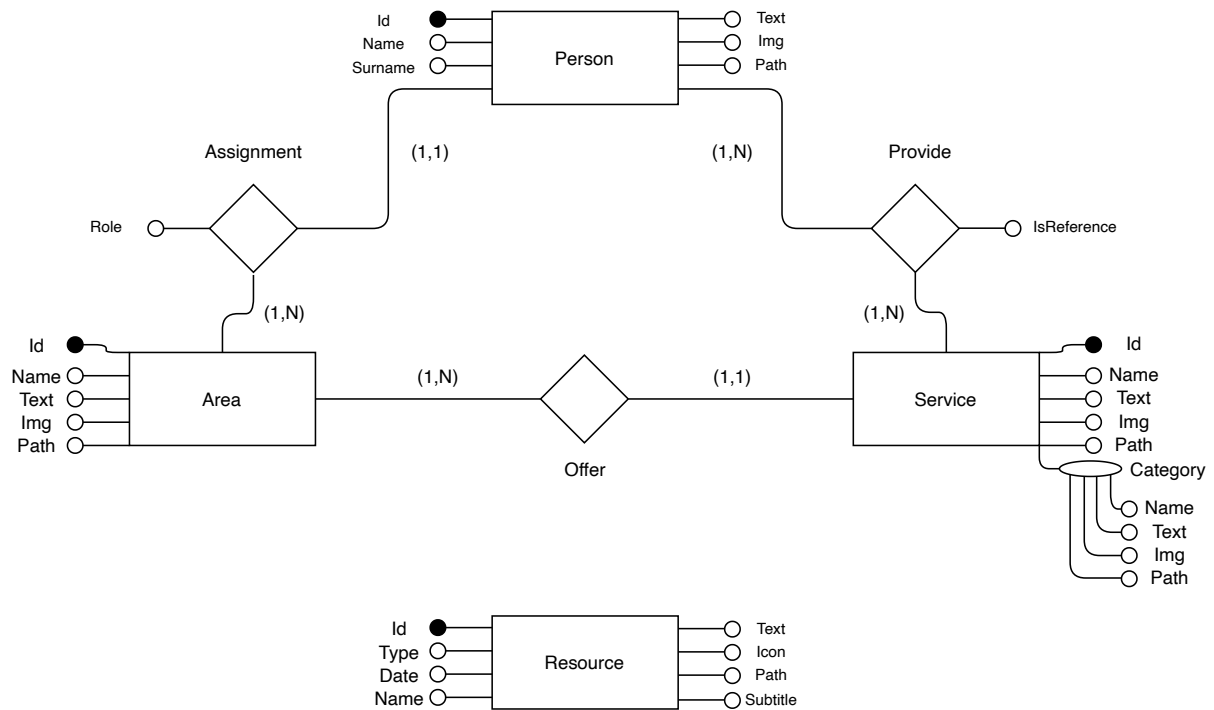


Figura 8.1: ER Diagram

Area	
PK	<u>Id</u>
	Name
	Text
	Img
	Path

Person	
PK	<u>Id</u>
	Name
	Surname
	Text
	Img
	Path
	Role
FK	Area_id

Reesource	
PK	<u>Id</u>
	Type
	Date
	Name
	Text
	Path
	Icon
	Subtitle

Service	
PK	<u>Id</u>
	Name
	Text
	Img
	Path
FK	Category_id
FK	Area_id

Service_Category	
PK	<u>Id</u>
	Name
	Text
	Img
	Path

Person_Service	
PK	<u>Id</u>
	IsReference
FK	Person_id
FK	Service_id

Figura 8.2: Relational Tables

Elenco delle figure

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