T8-DEV - Bases de données

T-DAB-810

The Square

Software Architecture Specifications

Table of contents

[Introduction 3](#_Toc500948735)

[1. Project context 3](#_Toc500948736)

[2. Global architecture 3](#_Toc500948737)

[3. Component description 3](#_Toc500948738)

[a. Component 1 3](#_Toc500948739)

[b. Component 2 3](#_Toc500948740)

[c. Component 3 3](#_Toc500948741)

[4. Traceability matrix 3](#_Toc500948742)

# Introduction

The aim of this software architecture specification (SAS) is to present the technical elements necessary for the The Square project.

# Project context

The project consists of the conception of a DATABASE for a new social professional network.

# Global architecture

There us many table in the data base : USERS, EDUCATIONS, HOBBIES, SKILLS, JOB\_OFFERS, COMPAGNIES, ACTIVITIES\_DOMAIN.

# Component description

## USERS

Table used to represent the users.

## EDUCATIONS

Table used to represent the educations (can be shared by several users).

## HOBBIES

Table used to represent the hobbies (can be shared by several users).

## SKILLS

Table used to represent the skills (can be shared by several users).

## JOB\_OFFERS

Table used to represent the offers (an offer can have a relation with several skills).

## COMPAGNIES

Table used to represent the compagnies (a compagnie can publish several offers).

## ACTIVITIES\_DOMAINS

Table used to represent the activities domain (an activity domain can regroup several compagnies).

# Traceability matrix

This matrix makes the correspondence between components, classes, functions and requirements developed in the request for proposal.

|  |  |  |  |
| --- | --- | --- | --- |
| Id requirement | ***Requirement description*** | ***Component*** | ***Function / action*** |
| ***REQ\_FUNC\_010*** | You must propose relation between two people depending of:  • Hobbies  • Skills  • Trainings/education level | CF MCD |  |
| ***REQ\_FUNC\_020*** | You must propose relation between two people function of own relationship. | CF MCD |  |
| ***REQ\_FUNC\_030*** | You must propose relation between people and company function of:  • Skills  • Skills needed  • Activity domain | CF MCD |  |
| ***REQ\_IHM \_010*** | The interface is free. Simple web page. | CF MCD |  |
| ***REQ\_DATA \_010*** | You must have users’ information:  • First name  • Last name  • Birthday  • City of residence | CF MCD |  |
| ***REQ\_DATA \_020*** | You must have company’s information:  • Name  • Siret and siren  • General Description | CF MCD |  |
| ***REQ\_DATA \_030*** | You must have skills | CF MCD |  |
| ***REQ\_DATA \_040*** | You must have hobbies | CF MCD |  |
| ***REQ\_DATA \_050*** | You must have training/education level | CF MCD |  |
| ***REQ\_DATA \_060*** | You must have activity domain | CF MCD |  |
| ***REQ\_DATA \_070*** | You must have job proposition with:  • Name of job  • Description  • Gross wage | CF MCD |  |