

# Exercice Modelisation

L'idée de cet exercice est d'arriver a modeliser un logiciel de gestion de condition général d'assurance vie. Une assurance vie est un document ayant les caractéristiques suivantes:

- composé de titre/chapitre/sous-chapitre
- composé de paragraphes qui sont des textes plus ou moins long

L'idée de ce logiciel est double:

- permettre un partage entre les documents des titre/chapitres/sous chapitres/paragraphes.
- permettre de faire des mises a jour groupé de documents.

En effet le contexte est qu'un paragraphe de contrat est un objet complexe a créer, et il semble une bonne idée que tant qu'a l'avoir crée il puisse être partagé avec plusieurs contrats.

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CREATE DATABASE IF NOT EXISTS `legitheque` /*!40100 DEFAULT CHARACTER SET latin1 */; USE
`legitheque`; -- MySQL dump 10.13 Distrib 5.5.16, for Win32 (x86) -- -- Host: localhost
Database: legitheque -- ----- -- Server
version 5.5.24

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */; /*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */; /*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */; /*!40101 SET NAMES utf8 */; /*!40103 SET
@OLD_TIME_ZONE=@@TIME_ZONE */; /*!40103 SET TIME_ZONE=' +00:00' */; /*!40014 SET
@OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */; /*!40014 SET
@OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */; /*!40101 SET
@OLD_SQL_MODE=@@SQL_MODE, SQL_MODE=' NO_AUTO_VALUE_ON_ZERO' */; /*!40111 SET
@OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

-- -- Table structure for table `node` --

DROP TABLE IF EXISTS `node`; /*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */; CREATE TABLE `node` (

`ID` bigint(20) NOT NULL AUTO_INCREMENT,
`IDCONTRAT` bigint(20) NOT NULL,
`ID_Chapitre` bigint(20) DEFAULT NULL,
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`ID_Paragraphe` bigint(20) DEFAULT NULL,
PRIMARY KEY (`ID`),
KEY `idx_contrat` (`IDCONTRAT`) USING HASH,
KEY `idx_para` (`ID_Paragraphe`) USING HASH,
KEY `idx_chap` (`ID_Chapitre`) USING HASH,
KEY `fk_contrat` (`IDCONTRAT`),
KEY `fk_chapitre` (`ID_Chapitre`),
KEY `fk_para` (`ID_Paragraphe`),
CONSTRAINT `fk_para` FOREIGN KEY (`ID_Paragraphe`) REFERENCES `paragraphe` (`ID`) ON DELETE
NO ACTION ON UPDATE NO ACTION,
CONSTRAINT `fk_chapitre` FOREIGN KEY (`ID_Chapitre`) REFERENCES `chapitre` (`ID`) ON DELETE
NO ACTION ON UPDATE NO ACTION,
CONSTRAINT `fk_contrat` FOREIGN KEY (`IDCONTRAT`) REFERENCES `contrat` (`ID`) ON DELETE NO
ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1; /*! 40101 SET character_set_client = @saved_cs_client
*/;

-- -- Table structure for table `paragraphe` --

DROP TABLE IF EXISTS `paragraphe`; /*! 40101 SET @saved_cs_client = @@character_set_client */;
/*! 40101 SET character_set_client = utf8 */; CREATE TABLE `paragraphe` (

`ID` bigint(20) NOT NULL AUTO_INCREMENT,
`VALUE` longtext NOT NULL,
PRIMARY KEY (`ID`)
) ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=latin1; /*! 40101 SET character_set_client =
@saved_cs_client */;

-- -- Table structure for table `chapitre` --

DROP TABLE IF EXISTS `chapitre`; /*! 40101 SET @saved_cs_client = @@character_set_client */;
/*! 40101 SET character_set_client = utf8 */; CREATE TABLE `chapitre` (

`ID` bigint(20) NOT NULL AUTO_INCREMENT,
`VALUE` varchar(50) NOT NULL,
PRIMARY KEY (`ID`)
) ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=latin1; /*! 40101 SET character_set_client =
@saved_cs_client */;

-- -- Table structure for table `contrat` --

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DROP TABLE IF EXISTS `contrat`; /*! 40101 SET @saved_cs_client = @@character_set_client */;
/*! 40101 SET character_set_client = utf8 */; CREATE TABLE `contrat` (

`ID` bigint(20) NOT NULL AUTO_INCREMENT,
`NAME` varchar(50) NOT NULL,
PRIMARY KEY (`ID`),
UNIQUE KEY `NAME_UNIQUE` (`NAME`)
) ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=latin1; /*! 40101 SET character_set_client =
@saved_cs_client */;

-- -- Table structure for table `parentchildnode` --

DROP TABLE IF EXISTS `parentchildnode`; /*! 40101 SET @saved_cs_client = @@character_set_client
*/; /*! 40101 SET character_set_client = utf8 */; CREATE TABLE `parentchildnode` (

`ID_parent` bigint(20) NOT NULL,
`ID_child` bigint(20) NOT NULL,
`order_node` int(11) NOT NULL DEFAULT '0',
PRIMARY KEY (`ID_parent`,`ID_child`),
KEY `idx_order` (`order_node`) USING BTREE,
KEY `idx_node` (`ID_parent`) USING HASH,
KEY `fk_parent` (`ID_parent`),
KEY `fk_childe` (`ID_child`),
CONSTRAINT `fk_childe` FOREIGN KEY (`ID_child`) REFERENCES `node` (`ID`) ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `fk_parent` FOREIGN KEY (`ID_parent`) REFERENCES `node` (`ID`) ON DELETE NO ACTION
ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=latin1; /*! 40101 SET character_set_client = @saved_cs_client
*/; /*! 40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*! 40101 SET SQL_MODE=@OLD_SQL_MODE */; /*! 40014 SET
FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */; /*! 40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS
*/; /*! 40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */; /*! 40101 SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */; /*! 40101 SET
COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */; /*! 40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2013-09-16 22:12:22

```

Revision #1

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