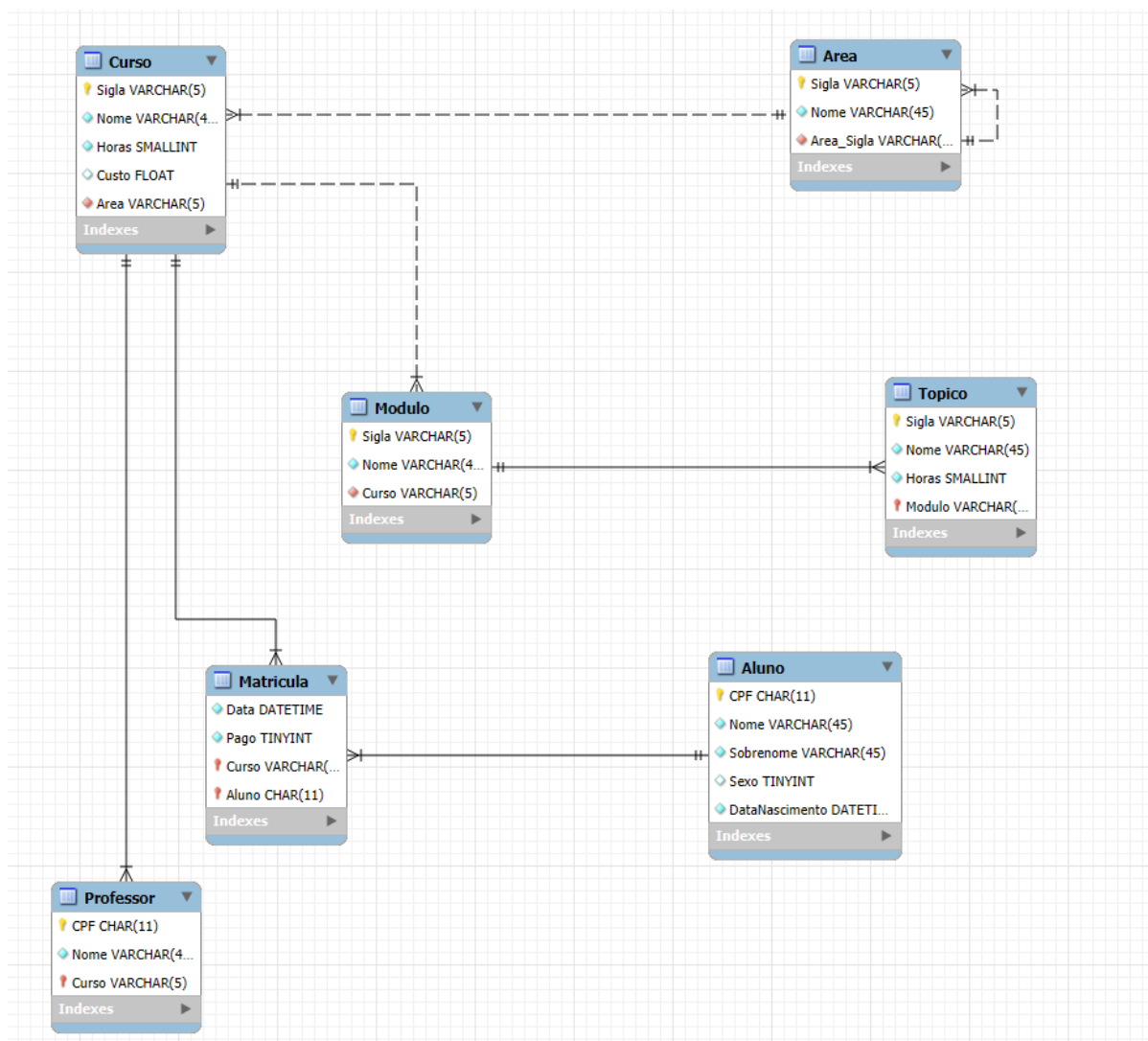


Banco de Dados – HO06

- Victor Souza Lima

Diagrama:



Scripts:

-- MySQL Script generated by MySQL Workbench

-- Sat Sep 7 16:42:35 2024

-- Model: New Model Version: 1.0

-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0;

SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO
_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';

-- Schema mydb

-- Table `Aluno`

DROP TABLE IF EXISTS `Aluno` ;

CREATE TABLE IF NOT EXISTS `Aluno` (

`CPF` CHAR(11) NOT NULL,

`Nome` VARCHAR(45) NOT NULL,

`Sobrenome` VARCHAR(45) NOT NULL,

`Sexo` TINYINT NULL,

`DataNascimento` DATETIME NOT NULL,

PRIMARY KEY (`CPF`))

ENGINE = InnoDB;

-- Table `Area`

DROP TABLE IF EXISTS `Area` ;

CREATE TABLE IF NOT EXISTS `Area` (

 `Sigla` VARCHAR(5) NOT NULL,

 `Nome` VARCHAR(45) NOT NULL,

 `Area_Sigla` VARCHAR(5) NOT NULL,

 PRIMARY KEY (`Sigla`),

 CONSTRAINT `fk_Area_Area1`

 FOREIGN KEY (`Area_Sigla`)

 REFERENCES `Area` (`Sigla`)

 ON DELETE NO ACTION

 ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk_Area_Area1_idx` ON `Area` (`Area_Sigla` ASC) VISIBLE;

-- Table `Curso`

DROP TABLE IF EXISTS `Curso` ;

```
CREATE TABLE IF NOT EXISTS `Curso` (
```

```
`Sigla` VARCHAR(5) NOT NULL,
```

```
`Nome` VARCHAR(45) NOT NULL,
```

```
`Horas` SMALLINT NOT NULL,
```

```
`Custo` FLOAT NULL,
```

```
`Area` VARCHAR(5) NOT NULL,
```

```
PRIMARY KEY (`Sigla`),
```

```
CONSTRAINT `fk_Curso_Area1`
```

```
FOREIGN KEY (`Area` )
```

```
REFERENCES `Area` (`Sigla` )
```

```
ON DELETE NO ACTION
```

```
ON UPDATE NO ACTION)
```

```
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Curso_Area1_idx` ON `Curso` (`Area` ASC) VISIBLE;
```

```
-----
```

```
-- Table `Matricula`
```

```
-----
```

```
DROP TABLE IF EXISTS `Matricula` ;
```

```
CREATE TABLE IF NOT EXISTS `Matricula` (
```

```
`Data` DATETIME NOT NULL,
```

```
`Pago` TINYINT NOT NULL,
```

```
`Curso` VARCHAR(5) NOT NULL,
```

```
`Aluno` CHAR(11) NOT NULL,
```

```

PRIMARY KEY (`Curso`, `Aluno`),
CONSTRAINT `fk_Matricula_Curso1`
FOREIGN KEY (`Curso`)
REFERENCES `Curso` (`Sigla`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `fk_Matricula_Aluno1`
FOREIGN KEY (`Aluno`)
REFERENCES `Aluno` (`CPF`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Matricula_Curso1_idx` ON `Matricula` (`Curso` ASC) VISIBLE;

CREATE INDEX `fk_Matricula_Aluno1_idx` ON `Matricula` (`Aluno` ASC) VISIBLE;

-----

-- Table `Modulo`
-----

DROP TABLE IF EXISTS `Modulo` ;

CREATE TABLE IF NOT EXISTS `Modulo` (
  `Sigla` VARCHAR(5) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Curso` VARCHAR(5) NOT NULL,
  PRIMARY KEY (`Sigla`),

```

```
CONSTRAINT `fk_Modulo_Curso`  
FOREIGN KEY (`Curso`)  
REFERENCES `Curso` (`Sigla`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Modulo_Curso_idx` ON `Modulo` (`Curso` ASC) VISIBLE;
```

```
-----  
-- Table `Professor`  
-----
```

```
DROP TABLE IF EXISTS `Professor` ;
```

```
CREATE TABLE IF NOT EXISTS `Professor` (  
  `CPF` CHAR(11) NOT NULL,  
  `Nome` VARCHAR(45) NOT NULL,  
  `Curso` VARCHAR(5) NOT NULL,  
  PRIMARY KEY (`CPF`, `Curso`),  
  CONSTRAINT `fk_Professor_Curso1`  
  FOREIGN KEY (`Curso`)  
  REFERENCES `Curso` (`Sigla`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Professor_Curso1_idx` ON `Professor` (`Curso` ASC) VISIBLE;
```

-- Table `Topico`

DROP TABLE IF EXISTS `Topico` ;

CREATE TABLE IF NOT EXISTS `Topico` (

`Sigla` VARCHAR(5) NOT NULL,

`Nome` VARCHAR(45) NOT NULL,

`Horas` SMALLINT NOT NULL,

`Modulo` VARCHAR(5) NOT NULL,

PRIMARY KEY (`Sigla`, `Modulo`),

CONSTRAINT `fk_Topico_Modulo1`

FOREIGN KEY (`Modulo`)

REFERENCES `Modulo` (`Sigla`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk_Topico_Modulo1_idx` ON `Topico` (`Modulo` ASC) VISIBLE;

SET SQL_MODE=@OLD_SQL_MODE;

SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;

SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;