Database EmotionalSongs

# Codice creazione database

CREATE TABLE CANZONI (

ID\_UNIVOCO VARCHAR(20) PRIMARY KEY,

REPO\_INDEX INT UNIQUE,

TITOLO VARCHAR(100) NOT NULL,

AUTORE VARCHAR(100) NOT NULL,

ANNO INT NOT NULL

);

CREATE TABLE UTENTI\_REGISTRATI(

ID\_USER VARCHAR(20) PRIMARY KEY,

EMAIL VARCHAR(100) UNIQUE,

CF VARCHAR(16) UNIQUE,

PASSWORD VARCHAR(20) NOT NULL,

NOME VARCHAR(100) NOT NULL,

COGNOME VARCHAR(100) NOT NULL

);

CREATE TABLE INDIRIZZI (

RESIDENTE\_ID VARCHAR(20) PRIMARY KEY,

TIPO VARCHAR(11) CHECK (TIPO IN(‘Via’,’Viale’,’ControViale’,’Piazza’,’Piazzetta’,’Salita’,’Discesa’)) NOT NULL,

INDIRIZZO VARCHAR(255) NOT NULL,

CIVICO INT NOT NULL,

CAP INT NOT NULL,

NAZIONE VARCHAR(20) NOT NULL,

PROVINCIA VARCHAR(20) NOT NULL,

CITTA VARCHAR(20) NOT NULL

);

ALTER TABLE INDIRIZZI ADD FOREIGN KEY (RESIDENTE\_ID) REFERENCES UTENTI\_REGISTRATI(ID\_USER) ON UPDATE CASCADE ON DELETE CASCADE;

CREATE TABLE PLAYLIST (

ID\_PLAYLIST VARCHAR(20) PRIMARY KEY,

USER\_PROP\_ID VARCHAR(20) NOT NULL,

NOME\_PLAYLIST VARCHAR(50) DEFAULT 'NewPlaylist'

);

ALTER TABLE PLAYLIST ADD FOREIGN KEY(USER\_PROP\_ID) REFERENCES UTENTI\_REGISTRATI(ID\_USER) ON UPDATE CASCADE ON DELETE CASCADE;

CREATE TABLE CONTENUTO\_PLAYLIST(

PLAYLIST\_ID VARCHAR(50),

CANZONE\_ID VARCHAR(20),

PRIMARY KEY(IDPLAYLIST,IDCANZONE)

);

ALTER TABLE CONTENUTO\_PLAYLIST ADD FOREIGN KEY(PLAYLIST\_ID) REFERENCES PLAYLIST(ID\_PLAYLIST) ON DELETE CASCADE ON UPDATE CASCADE;

ALTER TABLE CONTENUTO\_PLAYLIST ADD FOREIGN KEY(CANZONE\_ID) REFERENCES CANZONI(ID\_UNIVOCO) ON DELETE CASCADE ON UPDATE CASCADE;

CREATE TABLE EMOZIONI (

USER\_PROP\_ID VARCHAR(20),

CANZONE\_ID VARCHAR(50),

COMMENTO VARCHAR(256),

MERAVIGLIA INT CHECK(MERAVIGLIA BETWEEN 1 AND 5) NOT NULL,

SOLENNITA INT CHECK(SOLENNITA BETWEEN 1 AND 5) NOT NULL,

TENEREZZA INT CHECK(TENEREZZA BETWEEN 1 AND 5) NOT NULL,

NOSTALGIA INT CHECK(NOSTALGIA BETWEEN 1 AND 5) NOT NULL,

PACATEZZA INT CHECK(PACATEZZA BETWEEN 1 AND 5) NOT NULL,

POTERE INT CHECK(POTERE BETWEEN 1 AND 5) NOT NULL,

GIOIA INT CHECK(GIOIA BETWEEN 1 AND 5) NOT NULL,

TENSIONE INT CHECK(TENSIONE BETWEEN 1 AND 5) NOT NULL,

TRISTEZZA INT CHECK(TRISTEZZA BETWEEN 1 AND 5) NOT NULL,

PRIMARY KEY(USER\_PROP\_ID,CANZONE\_ID)

);

ALTER TABLE EMOZIONI ADD FOREIGN KEY(CANZONE\_ID) REFERENCES CANZONI(ID\_UNIVOCO) ON DELETE CASCADE ON UPDATE CASCADE;

ALTER TABLE EMOZIONI ADD FOREIGN KEY(USER\_PROP\_ID) REFERENCES UTENTIREGISTRATI(ID\_USER) ON DELETE CASCADE ON UPDATE CASCADE;

# Schema ER database