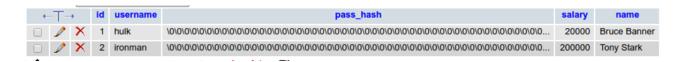
Hayden Anderson, Michael Elliott, Albert Morgan, Alex Ruef

CS 340

Juli Schutfort

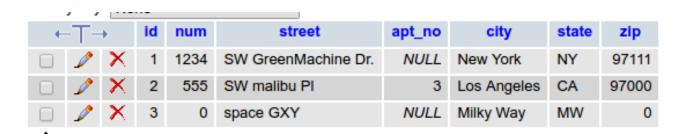
10 May 2017

# Project Database



# DROP TABLE IF EXISTS Employee;

INSERT INTO Employee (username, salary, name) VALUES ('hulk', 20000, 'Bruce Banner'), ('ironman', 200000, 'Tony Stark');



#### DROP TABLE IF EXISTS Address;

#### CREATE TABLE Address (

id INT AUTO\_INCREMENT NOT NULL,

num INT NOT NULL,

street VARCHAR(255) NOT NULL,

apt\_no INT,

city VARCHAR(255) NOT NULL,

state CHAR(2) NOT NULL,

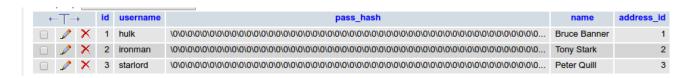
zip DECIMAL(5) NOT NULL,

PRIMARY KEY (id)

) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Address (num, street, state, city, zip, apt\_no)

VALUES (1234, 'SW GreenMachine Dr.', 'NY', 'New York', 97111, NULL), (555, 'SW malibu Pl', 'CA', 'Los Angeles', 97000, 3), (000, 'space GXY', 'MW', 'Milky Way', 00000, NULL);



## DROP TABLE IF EXISTS Customer;

## CREATE TABLE Customer (

id INT AUTO\_INCREMENT NOT NULL, username VARCHAR(255) UNIQUE NOT NULL,

username VARCHAR(255) UNIQUE NOT pass hash BINARY(60) NOT NULL,

name VARCHAR(255) NOT NULL,

address\_id INT, PRIMARY KEY (id),

FOREIGN KEY (address\_id) REFERENCES Address(id) ON DELETE SET NULL

) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Customer (username, name, address\_id)

VALUES ('hulk', 'Bruce Banner', 1), ('ironman', 'Tony Stark', 2), ('starlord', 'Peter Quill', 3);



# DROP TABLE IF EXISTS Billing\_Info;

CREATE TABLE Billing\_Info (

id INT AUTO\_INCREMENT NOT NULL,

cc\_number DECIMAL(16) NOT NULL,

cc\_type VARCHAR(255) NOT NULL,

expiration\_date DATE NOT NULL,

name VARCHAR(255) NOT NULL,

user\_id INT NOT NULL,

PRIMARY KEY (id),

FOREIGN KEY (user\_id) REFERENCES Customer(id) ON DELETE CASCADE

) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Billing\_Info (cc\_number, cc\_type, expiration\_date, name, user\_id) VALUES ('12345678910', 'VISA', '6/20/1994', 'Bruce Banner', 1), ('10987654321', 'MASTERCARD', '5/10/2017', 'Tony Stark', 2), ('111111111111111111', 'BUCKS', '12/31/9999', 'Peter Quill', 3);

←T→			plan_id	address_id	billing_id	customer_id
	<i>&gt;</i>	X	1	1	1	1
	<i>&gt;</i>	X	2	2	2	2
	<i>&gt;</i>	X	3	3	3	3
•	_					9 / FTW

## DROP TABLE IF EXISTS Subscription;

# CREATE TABLE Subscription (

plan\_id INT, address\_id INT, billing\_id INT, customer\_id INT,

PRIMARY KEY (plan id, address id),

FOREIGN KEY (billing\_id) REFERENCES Billing\_Info(id) ON DELETE CASCADE, FOREIGN KEY (customer id) REFERENCES Customer(id) ON DELETE CASCADE,

# FOREIGN KEY (address\_id) REFERENCES Address(id) ON DELETE CASCADE ) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Subscription (billing\_id, customer\_id, plan\_id, address\_id) VALUES (1,1,1,1), (2,2,2,2),(3,3,3,3);

<b>←</b> ⊤→			id	name	price	speed	added_by
	<i>&gt;</i>	X	1	nada	5.00	10	1
	<i>&gt;</i>	X	2	The kitchen Sink	10000.00	9999	2
	<i>&gt;</i>	×	3	nada	1.00	1000	1
_							

## DROP TABLE IF EXISTS Plan;

# CREATE TABLE Plan (

id INT AUTO\_INCREMENT NOT NULL,

name VARCHAR(255),

price DECIMAL(9, 2),

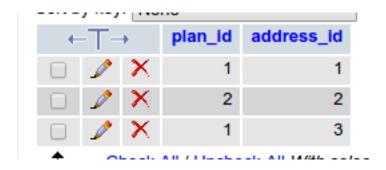
speed INT, added\_by INT,

PRIMARY KEY (id),

FOREIGN KEY (added\_by) REFERENCES Employee(id) ON DELETE SET NULL ) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Plan (name, price,speed, added\_by)

VALUES ('nada', 5, 10, 1), ('The kitchen Sink', 10000, 9999, 2), ('nada', 1, 1000, 1);



DROP TABLE IF EXISTS Address\_Plans;

CREATE TABLE Address\_Plans (

plan\_id INT NOT NULL,
address\_id INT NOT NULL,
PRIMARY KEY (plan\_id, address\_id),
FOREIGN KEY (plan\_id) REFERENCES Plan(id) ON DELETE CASCADE,
FOREIGN KEY (address\_id) REFERENCES Address(id) ON DELETE CASCADE
) ENGINE=InnoDB, CHARACTER SET=UTF8;

INSERT INTO Address\_Plans (plan\_id, address\_id) VALUES (1,1), (2,2), (1,3);