**Setup:**

-**cd** to project folder

-**npm install**

-**cassandra** (starting Cassandra may be different for you)

-**ng serve** (for frontend, Angular, localhost:4200)

-**npm run build** (separate cmd window, for backend, NodeJS Express, localhost:4600)

**SQL Commands: (copy everything down below)**

CREATE KEYSPACE weboget

WITH replication = {'class':'SimpleStrategy', 'replication\_factor' : 1};

CREATE TABLE users\_by\_id (

userID int,

firstName text,

lastName text,

email text,

password text,

numOfPurchases int,

balance double,

PRIMARY KEY (userID)

);

insert into weboget.users\_by\_id (userID, firstName, lastName, email, password, numOfPurchases, balance) values (1, 'Djordje','Stamenkovic','djole98@gmail.com','123',0,5000);

insert into weboget.users\_by\_id (userID, firstName, lastName, email, password, numOfPurchases, balance) values (2, 'Nikola','Miladinovic','nikolaj98@gmail.com','123',0,5000);

CREATE TABLE users\_by\_email\_password (

email text,

password text,

userID int,

firstName text,

lastName text,

numOfPurchases int,

balance double,

PRIMARY KEY (email, password)

);

insert into weboget.users\_by\_email\_password (email, password, userID, firstName, lastName, numOfPurchases, balance) values ('djole98@gmail.com','123', 1, 'Djordje', 'Stamenkovic', 0, 5000);

insert into weboget.users\_by\_email\_password (email, password, userID, firstName, lastName, numOfPurchases, balance) values ('nikolaj98@gmail.com','123', 2, 'Nikola', 'Miladinovic', 0, 5000);

CREATE TABLE users\_purchase (

userID int,

firstName text,

lastName text,

productID int,

name text,

type text,

price double,

amount int,

PRIMARY KEY (userID, productID)

);

CREATE TABLE products\_buyer (

productID int,

name text,

type text,

price double,

amount int,

userID int,

firstName text,

lastName text,

PRIMARY KEY (productID, userID)

);

CREATE TABLE products\_by\_id (

productID int,

name text,

type text,

price double,

timesBought int,

PRIMARY KEY (productID)

);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1000, 'Play Station 4','Electronics', 400, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1150,'Nintendo Switch','Electronics', 240, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1300,'LG Monitor','Electronics', 320, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1450,'Trust Speakers','Electronics', 105, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1600,'Digital Clock','Electronics', 54, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (1750,'Smart TV','Electronics', 538, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3000,'Olympic Bar','Fitness', 70, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3150,'Squat Rack','Fitness', 220, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3300,'Jump Rope','Fitness', 15, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3450,'Treadmill','Fitness', 300, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3600,'Boxing Bag','Fitness', 215, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (3750,'Dumbbells','Fitness', 24, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5000,'Cabinet','Furniture', 312, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5150,'Gaming Chair','Furniture', 130, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5300,'Kokatsu Table','Furniture', 155, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5450,'Recliner','Furniture', 249, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5600,'Sofa','Furniture', 389, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (5750,'Lazy Bag','Furniture', 240, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7000,'Air Force 1','Footwear', 130, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7150,'KD 11', 'Footwear', 159, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7300,'Leather Sandals', 'Footwear', 89, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7450,'Air Max', 'Footwear', 149, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7600,'High Heels', 'Footwear', 99, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (7750,'Cesare Paciotti', 'Footwear', 218, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9000,'Black Bandana','Clothing', 59, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9150,'Eminem Shirt', 'Clothing', 129, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9300,'Leather Jacket', 'Clothing', 239, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9450,'Denim Jeans', 'Clothing', 109, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9600,'Nike Hoodie', 'Clothing', 199, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (9750,'Winter Scarf', 'Clothing', 48, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11000,'Bead Bracelet','Accessories', 47, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11150,'Platinum Rolex', 'Accessories', 339, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11300,'Tungsten Ring', 'Accessories', 119, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11450,'Ray Ban Glasses', 'Accessories', 159, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11600,'Pearl Earrings', 'Accessories', 179, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (11750,'Dragon Belt', 'Accessories', 148, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13000,'Gullivers Travels', 'Literature', 99, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13150,'Harry Potter', 'Literature', 129, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13300,'The Little Prince', 'Literature', 59, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13450,'Romeo & Juliet', 'Literature', 149, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13600,'Tom Sawyer', 'Literature', 119, 0);

insert into weboget.products\_by\_id (productID, name, type, price, timesBought) values (13750,'Moby Dick', 'Literature', 109, 0);

CREATE TABLE products\_by\_type (

type text,

productID int,

name text,

price double,

timesBought int,

PRIMARY KEY (type, productID)

);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1000,'Play Station 4', 400,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1150,'Nintendo Switch', 240,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1300,'LG Monitor',320,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1450,'Trust Speakers',105,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1600,'Digital Clock',54,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Electronics',1750,'Smart TV',538,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness',3000,'Olympic Bar',70,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness', 3150,'Squat Rack',220,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness', 3300,'Jump Rope',15,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness', 3450,'Treadmill',300,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness', 3600,'Boxing Bag',215,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Fitness', 3750,'Dumbbells',24,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5000,'Cabinet',312,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5150,'Gaming Chair',130,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5300,'Kokatsu Table',155,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5450,'Recliner',249,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5600,'Sofa',389,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Furniture',5750,'Lazy Bag',240,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7000,'Air Force 1',130,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7150,'KD 11',159,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7300,'Leather Sandals',89,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7450,'Air Max',149,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7600,'High Heels',99,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Footwear',7750,'Cesare Paciotti',218,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9000,'Black Bandana',59,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9150,'Eminem Shirt',129,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9300,'Leather Jacket',239,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9450,'Denim Jeans',109,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9600,'Nike Hoodie',199,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Clothing',9750,'Winter Scarf',48,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11000,'Bead Bracelet',47,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11150,'Platinum Rolex',339,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11300,'Tungsten Ring',119,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11450,'Ray Ban Glasses',159,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11600,'Pearl Earrings',179,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Accessories',11750,'Dragon Belt',148,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13000,'Gullivers Travels',99,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13150,'Harry Potter',129,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13300,'The Little Prince',59,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13450,'Romeo & Juliet',149,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13600,'Tom Sawyer',119,0);

insert into products\_by\_type (type, productID, name, price, timesBought) values ('Literature',13750,'Moby Dick',109,0);

CREATE TABLE products\_by\_price (

price double,

productID int,

name text,

type text,

timesBought int,

PRIMARY KEY (price, productID)

);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (400, 1000, 'Play Station 4','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (240, 1150, 'Nintendo Switch','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (320, 1300, 'LG Monitor','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (105, 1450, 'Trust Speakers','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (54, 1600, 'Digital Clock','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (538, 1750, 'Smart TV','Electronics', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (70, 3000, 'Olympic Bar','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (220, 3150, 'Squat Rack','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (15, 3300, 'Jump Rope','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (300, 3450, 'Treadmill','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (215, 3600, 'Boxing Bag','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (24, 3750, 'Dumbbells','Fitness', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (312, 5000, 'Cabinet','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (130, 5150, 'Kokatsu Table','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (155, 5300, 'Gaming Chair','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (249, 5450, 'Recliner','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (389, 5600, 'Sofa','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (240, 5750, 'Lazy Bag','Furniture', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (130, 7000, 'Air Force 1', 'Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (159, 7150, 'KD 11','Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (89, 7300, 'Leather Sandals', 'Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (149, 7450, 'Air Max', 'Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (99, 7600, 'High Heels', 'Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (218, 7750, 'Cesare Paciotti', 'Footwear', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (59, 9000, 'Black Bandana', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (129, 9150, 'Eminem Shirt', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (239, 9300, 'Leather Jacket', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (109, 9450, 'Denim Jeans', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (199, 9600, 'Nike Hoodie', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (48, 9750, 'Winter Scarf', 'Clothing', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (47, 11000, 'Bead Bracelet', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (339, 11150, 'Platinum Rolex', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (119, 11300, 'Tungsten Ring', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (159, 11450, 'Ray Ban Glasses', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (179, 11600, 'Pearl Earrings', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (148, 11750, 'Dragon Belt', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (47, 13000,'Bead Bracelet', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (339, 13150,'Platinum Rolex', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (119, 13300,'Tungsten Ring', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (159, 13450,'Ray Ban Glasses', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (179, 13600,'Pearl Earrings', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (148, 13750,'Dragon Belt', 'Accessories', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (99, 13000,'Gullivers Travels','Literature', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (129, 13150,'Harry Potter','Literature', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (59, 13300,'The Little Prince','Literature', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (149, 13450,'Romeo & Juliet','Literature', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (119, 13600,'Tom Sawyer','Literature', 0);

insert into weboget.products\_by\_price (price, productID ,name, type, timesBought) values (109, 13750,'Moby Dick','Literature', 0);

CREATE TABLE ids (

id\_name text,

next\_id counter,

PRIMARY KEY (id\_name)

);

update ids set next\_id=next\_id+3 where id\_name='userID';