

Team Name:

Kong

Members:

Bader Albader

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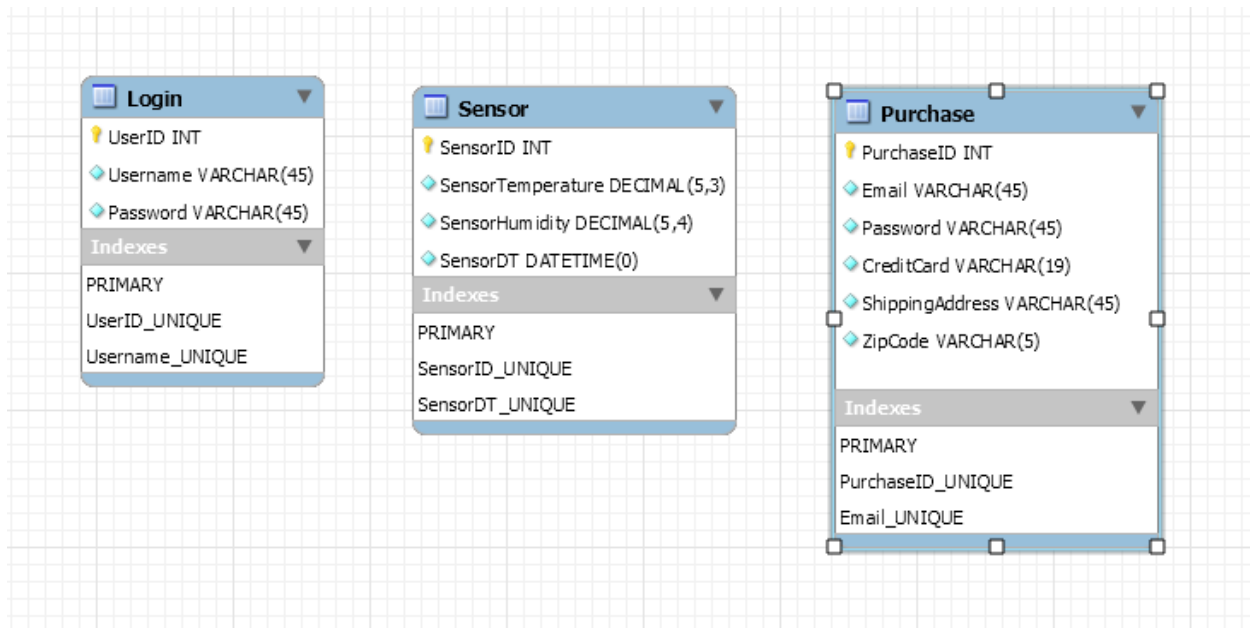
Tyler Valentine

Garrett Senor

Chuck Mezhir

Database Design Process:

We decided to use MySQL as our database software. We created entity relations in the model tool to represent relationships between tables in necessary.



We then populated each table to test usability.

The SQL scripts to generate and test our database can be found on github:








kong\Documents\DB Design

```

1 • USE Kong;
2 • INSERT INTO Login Values (default, 'Kong', 'Admin');
3 • INSERT INTO Login Values (default, 'Jake', 'password');
4 • INSERT INTO Login Values (default, 'test', 'test_pass');
5 • SELECT * FROM Login;
6

```

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Result Grid   Filter Rows: | Edit:    | Export/Import:  









	UserID	Username	Password
	1	Kong	Admin
	2	Jake	password
	3	test	test pass
	NULL	NULL	NULL

```

1 • USE Kong;
2 • INSERT INTO Sensor Values (default, '17.123', '0.8975', '2018-06-23 14:50:49');
3 • INSERT INTO Sensor Values (default, '12.456', '0.7845', '2018-06-23 15:00:49');
4 • INSERT INTO Sensor Values (default, '15.198', '0.8845', '2018-06-23 15:10:49');
5 • SELECT * FROM Sensor;

```

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Result Grid   Filter Rows: | Edit:    | Export/Import:   | Wrap Cell Content: 









	SensorID	SensorTemperature	SensorHumidity	SensorDT
	1	17.123	0.8975	2018-06-23 14:50:49
	2	12.456	0.7845	2018-06-23 15:00:49
	3	15.198	0.8845	2018-06-23 15:10:49
	NULL	NULL	NULL	NULL

```

1 • USE Kong;
2 • INSERT INTO Purchase Values (default, 'Bob@bob.net', 'good_password', '1111-2222-3333-4444', 'CU BOULDER, Boulder CO', '80303');
3 • INSERT INTO Purchase Values (default, 'test@bob.net', 'pass', '0000-5555-3333-9999', 'Engineering Center, Boulder CO', '80918');
4 • INSERT INTO Purchase Values (default, 'user@bob.net', 'bad_password', '1596-9999-3333-4444', 'Denver, Boulder CO', '80303');
5 • SELECT * FROM Purchase

```

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Result Grid   Filter Rows: | Edit:    | Export/Import:   | Wrap Cell Content: 

	PurchaseID	Email	Password	CreditCard	ShippingAddress	ZipCode
	1	Bob@bob.net	ood password	1111-2222-3333-4444	CU BOULDER, Boulder CO	80303
	2	test@bob.net	pass	0000-5555-3333-9999	Engineering Center, Boulder CO	80918
	3	user@bob.net	bad password	1596-9999-3333-4444	Denver, Boulder CO	80303
	NULL	NULL	NULL	NULL	NULL	NULL