**CS 546 GROUP DATABASE PROPOSAL**

**PORTFOLIO MANAGEMEMENT SYSTEM**

**TEAM (GROUP NO. 18)**

**DEEP CHITRODA - 10442200**

**NEIL SHARMA - 10452486**

**ANKIT TALAVIYA - 10443864**

**RAJAT VERMA - 10451721**

* **Login / Sign Up**

**Table Name : User**

**Columns** : Userid, firstName (String), lastName (String), email(string), Password(string), Favourites(array of ids), Vote[array of ids], buy(array of ids), buyQuant(int), sell(array of ids), sellQuant(int)

* **Search for a stock (by ticker symbol or by name)**

**Table Name : Stock**

stock id, stockName(string), tickerSymbol(string), quantity(int), Value(int),

* **Table Name : Votes**

**Columns :** Stock Id, voteCount (int)

Sample JSON

user

{

"**userid**":"5db35f1390635368dc49614c",

"**firstName**" : "Alice",

"**lastName**" : "Bob",

"**email**" : "alice.bob@abc.com",

"**password**" : "\*\*\*\*\*",

"**favourites**" : ["Google", "Amazon"]],

"**votes**" : ["5db35f1390635368dc49614c", "5db35f1fhgshg68dc49614c" ],

"**buy**" : {["5db35f1390635368dc49614c":1,

“4b35f13906827328378dc49614c”:33]},

"**sell**" : {["5db35f1390635368dc49614c":1,

“4b35f13906827328378dc49614c”:33]},

“**balance**” : “46574”

}

stock

{

"**stockid**":"5db35f1390635368dc49614c",

"**stockName**" : "google",

"**tickerSymbol**" : "googl",

"**quantity**" : "3",

"**Value**" : "200"

}

Votes

{

"**voteID**": "5db284a1b95552215cf78667",

"**voteCount**": {[“**id**” : "5db35f1390635368dc49614c",

“**upVote**”:”2”,

“**downVote**” : “32” ],

[“**id**” : "5db35f1390635368dc49614c",

“**upVote**”:”2”,

“**downVote**” : “32” ]}