**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” ]}