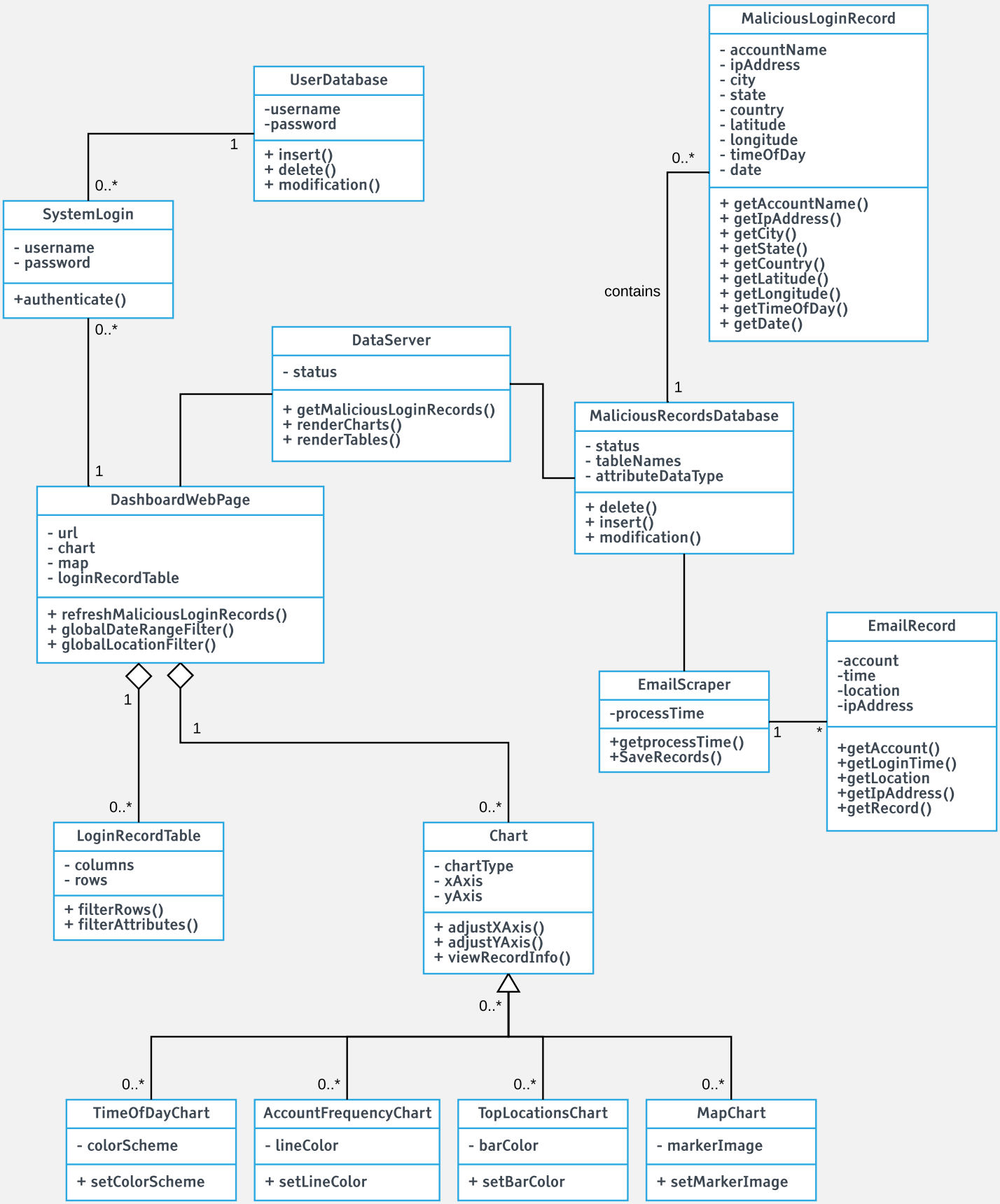
MaliciousLoginRecord
- accountName
- ipAddress
- city
- state
- country
- latitude
- longitude
- timeOfDay
- date
+ getAccountName()
+ getIpAddress()
+ getCity()
+ getState()
+ getCountry()
+ getLatitude()
+ getLongitude()
+ getTimeOfDay()
+ getDate()
UserDatabase
-username
-password
+ insert()
+ delete()
+ modification()
1
0..*
SystemLogin
- username
- password
+authenticate()
0..*
contains
0..*
1
DataServer
- status
+ getMaliciousLoginRecords()
+ renderCharts()
+ renderTables()
MaliciousRecordsDatabase
- status
- tableNames
- attributeDataType
+ delete()
+ insert()
+ modification()
1
DashboardWebPage
- url
- chart
- map
- loginRecordTable
+ refreshMaliciousLoginRecords()
+ globalDateRangeFilter()
+ globalLocationFilter()
EmailRecord
-account
-time
-location
-ipAddress
+getAccount()
+getLoginTime()
+getLocation
+getIpAddress()
+getRecord()
EmailScraper
-processTime
+getprocessTime()
+SaveRecords()
1
*
1
1
0..*
0..*
LoginRecordTable
- columns
- rows
+ filterRows()
+ filterAttributes()
Chart
- chartType
- xAxis
- yAxis
+ adjustXAxis()
+ adjustYAxis()
+ viewRecordInfo()
0..*
0..*
0..*
0..*
0..*
TimeOfDayChart
- colorScheme
+ setColorScheme
AccountFrequencyChart
- lineColor
+ setLineColor
TopLocationsChart
- barColor
+ setBarColor
MapChart
- markerImage
+ setMarkerImage