**DATABASE STRUCTURES REQUIRED FOR APPLICATION**

**DATABASE: MONGODB**

**COLLECTIONS:**

**- Announcements**

**- Reports**

**- Uploads**

**- Users**

**a) Announcements:**

- Collection is used to store dashboard message updates that super admin or system wants user to see on dashboard.

- STRUCTURE: {

"\_id" : ObjectId("5c0bee05aee055beea6ac24e"),

"message" : "hello"

}

**b) Reports:**

- Collection is used to store reports generated by user by uploading the files

- STRUCTURE: {

"\_id" : ObjectId("5c0d11fc28ce351844922c4e"),

"username" : "asd",

"reports" : [

{

"filename" : "fillename.extension",

"analysis" : {

"mean" : 0.52,

"average" : 25

}

}

]

}

**c) Uploads:**

- Collection is used to dump uploaded data like file count and file paths on server

- STRUCTURE: {

"\_id" : ObjectId("5c0ab40e78efb146a0ccd289"),

"username" : "userId",

"lastupload" : "ISODateString",

"uploads" : {

"sav" : [

"Uploads\\SAV\\123456798\\experim.sav",

"Uploads\\SAV\\123456798\\experimCopy.sav",

"Uploads\\SAV\\123456798\\experimCopy-Copy.sav"

],

"xls" : [

"Uploads\\SAV\\123456798\\experim.sav",

"Uploads\\SAV\\123456798\\experimCopy.sav",

"Uploads\\SAV\\123456798\\experimCopy-Copy.sav"

],

"json" : [

"Uploads\\SAV\\123456798\\experim.sav",

"Uploads\\SAV\\123456798\\experimCopy.sav",

"Uploads\\SAV\\123456798\\experimCopy-Copy.sav"

]

}

}

**d) Users:**

- Collection is used to store user data like id, password, email, role etc.

- STRUCTURE: {

"\_id" : ObjectId("5c0a8d034556fa194cf7f2e9"),

"username" : "asd",

"password" : "$2b$12$Cp9QjWNMk0PsnB9Un2yf.OestUt0sCzHbjc4gFgmjV80lGJgw0ud.",

"email" : "test@gmial.com",

"role" : "normal",

"lastlogin" : "2018-12-08T15:23:20.973Z"

}