

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" : "filename.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"

}