**var express** = *require*(**'express'**);

**var bodyParser** = *require*(**'body-parser'**)

**var** app = **express**();

**var** MongoClient = *require*(**'mongodb'**).MongoClient;

**var** ObjectID = *require*(**'mongodb'**).ObjectID;

**var** dateformat = *require*(**'dateformat'**);

**var** moment = *require*(**'moment'**);

**var** result;

*// Connection URL*

**var** url = **'mongodb://localhost:27017/sportsexpress'**;

app.use(**bodyParser**.**urlencoded**({**extended**: **false**}));

app.use(**bodyParser**.**json**());

app.post(**'/logout'**, **function** (req, res) {

**var** user = req.body.username;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

} **else** {

**var** collection = db.collection(**'users'**);

collection.findOne({**\_id**: user}, **function** (err, document) {

**if** (err == **null**) {

**if** (document != **null**) {

collection.updateOne({

**\_id**: user

}, {**$set**: {**keep\_logged\_in**: **false**}});

result = **"success"**;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.post(**'/login'**, **function** (req, res) {

**var** user = req.body.username;

**var** password = req.body.**password**;

**var** keeploggedin = req.body.keeploggedin;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'users'**);

collection.findOne({**\_id**: user, **password**: password}, **function** (err, document) {

**if** (err == **null**) {

**if** (document != **null**) {

collection.updateOne({

**\_id**: user,

**password**: password

}, {**$set**: {**keep\_logged\_in**: keeploggedin}});

result = document.**\_id** + **","** + document.firstname + **","** + document.lastname + **","** + document.email + **","** + keeploggedin + **","** + document.picture;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/update'**, **function** (req, res) {

**var** id = req.**query**.id;

**var** availability = req.**query**.inp;

**var** user = req.**query**.**user**;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** schedule = db.collection(**'schedule'**);

schedule.updateOne({**\_id**: ObjectID(id)}, {

**$set**: {

**availability**: availability

}, **$push**: {

**users**: user

}

}, **function** (err, document) {

**if** (err == **null**) {

result = **"success"**;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/fitnessupdate'**, **function** (req, res) {

**var** id = req.**query**.id;

**var** availability = req.**query**.inp;

**var** user = req.**query**.**user**;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** schedule = db.collection(**'fitness'**);

schedule.updateOne({**\_id**: ObjectID(id)}, {

**$set**: {

**availability**: availability

}, **$push**: {

**users**: user

}

}, **function** (err, document) {

**if** (err == **null**) {

result = **"success"**;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/equipmentcheckout'**, **function** (req, res) {

**var** id = req.**query**.id;

**var** availability = req.**query**.avail;

**var** count = req.**query**.**count**;

**var** user = req.**query**.**user**;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** schedule = db.collection(**'equipments'**);

schedule.updateOne({**\_id**: ObjectID(id)}, {

**$set**: {

**availability**: availability

}, **$push**: {

**checked\_out\_by**: {**user**: user, **count**: count}

}

}, **function** (err, document) {

**if** (err == **null**) {

result = **"success"**;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/equipmentcheckin'**, **function** (req, res) {

**var** id = req.**query**.id;

**var** availability = req.**query**.avail;

**var** count = req.**query**.**count**;

**var** user = req.**query**.**user**;

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** schedule = db.collection(**'equipments'**);

schedule.updateOne({**\_id**: ObjectID(id)}, {

**$set**: {

**availability**: availability

}, **$pull**: {

**checked\_out\_by**: {**user**: user}

}

}, **function** (err, document) {

**if** (err == **null**) {

result = **"success"**;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/events'**, **function** (req, res) {

**var** date = **new** Date();

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'schedule'**);

collection.find({**date**: {**$gte**: dateformat(date, **"mm/dd/yyyy"**)}}).sort({**"date"**: 1}).toArray(**function** (err, document) {

**if** (err == **null**) {

result = document;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/equipments'**, **function** (req, res) {

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'equipments'**);

collection.find().toArray(**function** (err, document) {

**if** (err == **null**) {

result = document;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/fitness'**, **function** (req, res) {

**var** date = **new** Date();

**var** start\_date = dateformat(date, **"mm/dd/yyyy"**);

**var** end\_date = moment(start\_date, **"mm/dd/yyyy"**).add(7, **'days'**);

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'fitness'**);

collection.find({

**date**: {

**$gt**: start\_date,

**$lte**: dateformat(end\_date, **"mm/dd/yyyy"**)

}

}).sort({**"date"**: 1}).toArray(**function** (err, document) {

**if** (err == **null**) {

result = document;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/gamehistory'**, **function** (req, res) {

**var** date = **new** Date();

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'schedule'**);

collection.find({**date**: {**$lt**: dateformat(date, **"mm/dd/yyyy"**)}}).sort({**"date"**: -1}).toArray(**function** (err, document) {

**if** (err == **null**) {

result = document;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.get(**'/tickethistory'**, **function** (req, res) {

**var** user = req.**query**.**user**;

**var** date = **new** Date();

MongoClient.connect(url, **function** (err, db) {

**if** (err != **null**) {

result = **"failure"**;

res.send(result);

}

**else** {

**var** collection = db.collection(**'schedule'**);

collection.find({**users**: user}).sort({**"date"**: -1}).toArray(**function** (err, document) {

**if** (err == **null**) {

result = document;

db.close();

res.send(result);

} **else** {

result = **"failure"**;

db.close();

res.send(result);

}

});

}

});

});

app.listen(3000, **function** () {

***console***.log(**'App is listening on port 3000!'**);

});