3695 – Week 9 Assignment – Screenshots

1. For demonstration purposes, we pre-created 2 note's which can be seen here in the *notes* collections.

```
_id: ObjectId("5fac73a9097c3805fcbc9833")
title: "Note with dueDate"
description: "Test note"
contents: "This note has a due date"
priority: "medium"
userID: "5f862b2872dd9f3da8eed9d2"
dueDate: "2020-11-11"
__v: 0


_id: ObjectId("5fac8e14231a7c2af08bdff1")
title: "Second note with dueDate"
description: "Test note"
contents: "This is the second note with a due date"
priority: "medium"
userID: "5f862b2872dd9f3da8eed9d2"
dueDate: "2020-11-11"
__v: 0
```

2. Then with the following cron scheduler, we check daily which notes have todays date and place them in a new *upcoming* collection.

```javascript
const checkUpcoming = () => {
  const cronTab = '1 0 */1 * *'
  // const cronTab = '*/10 * * * *';
  const todayDate = moment().format( format: 'YYYY-MM-DD');

  cron.schedule(cronTab,  func: () => {
    Note.find({ dueDate: todayDate }, (err, notes) => {
      if (err) {
        return console.error(err);
      }

      for (i = 0; i < notes.length; i++) {
        let upcoming = new Upcoming({
          title: notes[i].title,
          description: notes[i].description,
          contents: notes[i].content,
          priority: [i].priority,
          userID: notes[i].userID,
          image_url: notes[i].image_url,
          dueDate: notes[i].dueDate
        });

        upcoming.save();

      }
    });
  });
};

module.exports = {
  checkUpcoming: checkUpcoming
};
```

3. The schema for the *upcoming* notes is seen here, making sure they are placed in the correct collection.

```javascript
const upcomingSchema = new Schema({
    title: String,
    description: String,
    contents: String,
    priority: String,
    userID: String,
    image_url: String,
    dueDate: String
}, {collection: 'upcoming'});

module.exports = mongoose.model( name: 'Upcoming', upcomingSchema);
```

4. Now you can see those *upcoming* notes being places into the *upcoming* collection
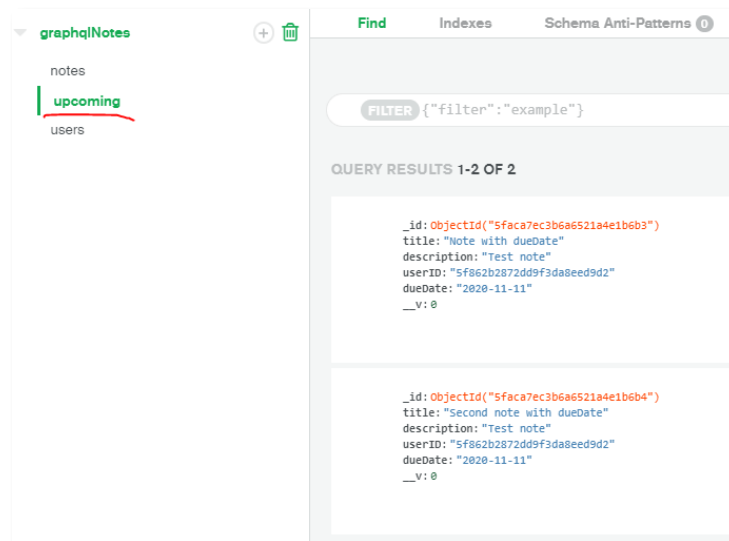
5. Now we can use our API to query the *upcoming* notes