

Experiment No.: 10

Title: Manipulate a form data using mongoDB.

Objectives:

- To study and manipulate form data using mongoDB.

Theory:

create simple form that will save user data to server implemented in Node.js with MongoDB database and allow us to see saved data on a separate page in JSON format. Steps :

- Install MongoDB
It depends on your environment how to install and configure MongoDB.
- Install required packages

We will use Node.js with the following packages:

1. Express - popular web framework;
2. body-parser - body parser middleware, allows to access req.body property;
3. mongodb - MongoDB driver for Node.js

In the command line we will use following commands:

```
npm init -y  
npm i --save express body-  
parser mongodb
```

- Create the HTML form.
- Create app.js code

```
var express = require('express'); var  
path = require('path'); var bodyParser =  
require('body-parser'); var mongodb =  
require('mongodb');
```

```
var dbConn = mongodb.MongoClient.connect('mongodb://localhost:27017');
```

```
var app = express();
```

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

```
app.use(express.static(path.resolve(__dirname, 'public')));

app.post('/post-feedback', function (req, res) {
  dbConn.then(function(db) {    delete
    req.body._id; // for safety reasons
    db.collection('feedbacks').insertOne(req.body);
  });
  res.send('Data received:\n' + JSON.stringify(req.body));
});

app.listen(process.env.PORT || 3000, process.env.IP || '0.0.0.0');
```

Key Concept: express, mongoDB