

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
Житомирський державний технологічний університет

Кафедра програмного
забезпечення систем
Група ПІ-48

Лабораторна робота №1

Виконали:

Бліндарук

Перевірила:

Данильченко А.О.

Житомир 2016

Створення додатку для ознайомлення з основами MongoDB, NodeJS (express), angular1.*

Код програми

app.js - точка входу в програму

```
var express = require('express');
var path = require('path');
var favicon = require('serve-favicon');
var logger = require('morgan');
var cookieParser = require('cookie-parser');
var bodyParser = require('body-parser');

var index = require('./routes/index');
var users = require('./routes/users');
var videos = require('./routes/videos');

var app = express();

// view engine setup
app.set('views', path.join(__dirname, 'views'));
app.set('view engine', 'jade');

// uncomment after placing your favicon in /public
//app.use(favicon(path.join(__dirname, 'public', 'favicon.ico')));
app.use(logger('dev'));
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: false }));
app.use(cookieParser());
app.use(express.static(path.join(__dirname, 'public')));

app.use('/', index);
app.use('/users', users);
app.use('/api/videos', videos);

// catch 404 and forward to error handler
app.use(function(req, res, next) {
  var err = new Error('Not Found');
  err.status = 404;
  next(err);
});

// error handler
```

```

app.use(function(err, req, res, next) {
  // set locals, only providing error in development
  res.locals.message = err.message;
  res.locals.error = req.app.get('env') === 'development' ? err : {};

  // render the error page
  res.status(err.status || 500);
  res.render('error');
});

```

```

module.exports = app;

```

Router: index.js

```

var express = require('express');
var router = express.Router();

/* GET home page. */
router.get('/', function(req, res, next) {
  res.render('index', { title: 'Express' });
});

```

```

module.exports = router;

```

Router: users.js

```

var express = require('express');
var router = express.Router();

/* GET users listing. */
router.get('/', function(req, res, next) {
  res.send('respond with a resource');
});

```

```

module.exports = router;

```

Router: videos.js

```

var express = require('express');
var router = express.Router();
var monk = require('monk');
var db = monk('localhost:27017/vidzy');
router.get('/', function(req, res) {
  var collection = db.get('videos');
  collection.find({}, function(err, videos){
    if (err) throw err;
    res.json(videos);
  });
});

```

```

router.post('/', function(req, res){
  var collection = db.get('videos');

```

```

collection.insert({
  title: req.body.title,
  description: req.body.description
}, function(err, video){
  if (err) throw err;
  res.json(video);
});

router.get('/:id', function(req, res) {
  var collection = db.get('videos');
  collection.findOne({ _id: req.params.id }, function(err, video){
    if (err) throw err;
    res.json(video);
  });
});

router.put('/:id', function(req, res){
  var collection = db.get('videos');
  collection.update({
    _id: req.params.id
  },
  {
    title: req.body.title,
    description: req.body.description
  }, function(err, video){
    if (err) throw err;
    res.json(video);
  });
});

router.delete('/:id', function(req, res){
  var collection = db.get('videos');
  collection.remove({ _id: req.params.id }, function(err, video){
    if (err) throw err;
    res.json(video);
  });
});
module.exports = router;

views: error.jade

extends layout

block content
h1= message
h2= error.status
pre #{error.stack}

```

views: index.jade

extends layout

block content

div(ng-view)

views: layout.jade

doctype html

html(ng-app='Vidzy')

head

title= title

link(rel='stylesheet', href='/stylesheets/style.css')

script(src='https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.4.5/angular.js')

script(src='https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.4.5/angular-resource.js')

script(src='https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.4.5/angular-route.js')

script(src='/javascripts/vidzy.js')

link(rel='stylesheet',

href='https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.css')

body

block content

Код клієнтської частини програми

public: javascripts: vidzy.js

var app = angular.module('Vidzy', ['ngResource', 'ngRoute']);

app.config(['\$routeProvider', function(\$routeProvider){

\$routeProvider

.when('/', {

templateUrl: 'partials/home.html',

controller: 'HomeCtrl'

})

.when('/add-video', {

templateUrl: 'partials/video-form.html',

controller: 'AddVideoCtrl'

})

.when('/video/:id', {

templateUrl: 'partials/video-form.html',

controller: 'EditVideoCtrl'

})

.when('/video/delete/:id', {

templateUrl: 'partials/video-delete.html',

controller: 'DeleteVideoCtrl'

})

.otherwise({

redirectTo: '/'

});

});

```

app.controller('HomeCtrl', ['$scope', '$resource',
function($scope, $resource){
    var Videos = $resource('/api/videos');
    Videos.query(function(videos){
        $scope.videos = videos;
    });
}]);

```

```

app.controller('AddVideoCtrl', ['$scope', '$resource', '$location',
function($scope, $resource, $location){
    $scope.save = function(){
        var Videos = $resource('/api/videos');
        Videos.save($scope.video, function(){
            $location.path('/');
        });
    };
}]);

```

```

app.controller('EditVideoCtrl', ['$scope', '$resource', '$location',
'$routeParams',
function($scope, $resource, $location, $routeParams){
    var Videos = $resource('/api/videos/:id', { id: '@_id' }, {
        update: { method: 'PUT' }
    });
    Videos.get({ id: $routeParams.id }, function(video){
        $scope.video = video;
    });
    $scope.save = function(){
        Videos.update($scope.video, function(){
            $location.path('/');
        });
    }
}]);

```

```

app.controller('DeleteVideoCtrl', ['$scope', '$resource', '$location',
'$routeParams',
function($scope, $resource, $location, $routeParams){
    var Videos = $resource('/api/videos/:id');
    Videos.get({ id: $routeParams.id }, function(video){
        $scope.video = video;
    });
    $scope.delete = function(){
        Videos.delete({ id: $routeParams.id }, function(video){
            $location.path('/');
        });
    }
}]);

```

```
});
```

public: partials: home.html

```
<h1>Home Page</h1>
<ul>
  <li ng-repeat='video in videos'>
    <a href="/#/video/{{video._id}}">{{video.title}}</a>
    <a href="/#/video/delete/{{video._id}}">
      <i class="glyphicon glyphicon-remove"></i>
    </a>
  </li>
</ul>
<p>
  <a href="/#/add-video">Add a Video</a>
</p>
```

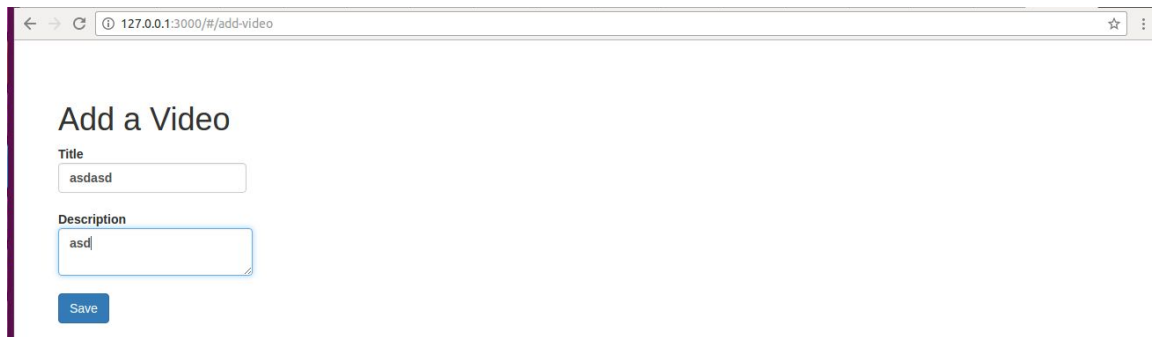
public: partials: video-delete.html

```
<h1>Delete Video</h1>
<p>
  Are you sure you want to delete this video?
</p>
<ul>
  <li>Title: {{video.title}}</li>
  <li>Description: {{video.description}}</li>
</ul>
<input type="button" value="Yes, Delete" class="btn btn-danger" ng-click="delete()"
  />
<a class="btn btn-default" href="/#">No, Go Back</a>
```

public: partials: video-form.html

```
<h1>Add a Video</h1>
<form>
  <div class="form-group">
    <label>Title
    <input class="form-control" ng-model="video.title"/></label>
  </div>
  <div class="form-group">
    <label>Description
    <textarea class="form-control" ng-model="video.description"></textarea></label>
  </div>
  <input type="button" class="btn btn-primary" ng-click="save()" value="Save"/>
</form>
```

Скріншоти програми:



127.0.0.1:3000/#/add-video

Add a Video

Title
asdasd

Description
asd

Save

рис. 1. Сторінка додавання відео



127.0.0.1:3000/#/video/58553e7bed8d136f11b453ae

Add a Video

Title
asdasd

Description
asd

Save

рис.2. сторінка редагування відео



127.0.0.1:3000/#/

Home Page

- asdasd ★

[Add a Video](#)

рис 3. сторінка списку всіх відео



127.0.0.1:3000/#/video/delete/58553e7bed8d136f11b453ae

Delete Video

Are you sure you want to delete this video?

- Title: asdasd
- Description: asd

Yes, Delete No, Go Back

рис.4 сторінка видалення відео