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/*jshint esversion: 6 */
/*jshint -W058 */
const PORT = 4444;
var http = require('http'),
    fs = require('fs'),
    md5 = require('md5'),
    sha1 = require('sha1'),
    url = require('url'),

    qParse = requrl => url.parse(requrl, true).query;

module.exports = (()=>{
  function inner(){
    this.start = whatToDo=>{
      http.createServer((req, res)=>{

        switch ( req.url.replace(/\//?(?:\?|.*)?$/, '').toLowerCase() ) {
          case '/display' :

            var src = qParse(req.url).src;
            //for elegancy lovers
            //src = (src == undefined ) ? (new Date()).toString() : src;
            //for simple people
            if (src == undefined ) src= (new Date()).toString();

            var type = qParse(req.url).type,
                hash = qParse(req.url).hash,

                resps = {'md5' : md5(src), 'sha1': sha1(src)}; // !!!

            if (!resps.hasOwnProperty(hash)) {
              res.writeHead(500, {'Content-Type': 'text/html'});
              res.end('<h1>Illegal hash request attempt!</h1>');
            } else {

              if (type==='json') {
                res.writeHead(200, {'Content-Type': 'application/json'});
                var resp = {};
                resp[hash] = resps[hash]; // :-))))))))))
                res.end( JSON.stringify ( resp ) );
              } else {
                res.writeHead(200, {'Content-Type': 'text/plain'});
                res.end( hash + '=' + resp[hash] );
              }
            }

          }

        }

      whatToDo('API hash called!');
      break;

    default:
      res.writeHead(200, {'Content-Type': 'text/html'});
      fs.readFile('public/page.html', (err, what)=>{
        if (err) throw err;
        res.write(what);
        res.end();
      });
    }
  }
})();

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        });  
    }  
  
    }).listen(process.env.PORT,()=>  
        console.log(`--> Port ${PORT} listening!`)  
    );  
};  
}  
return new inner;  
})();
```