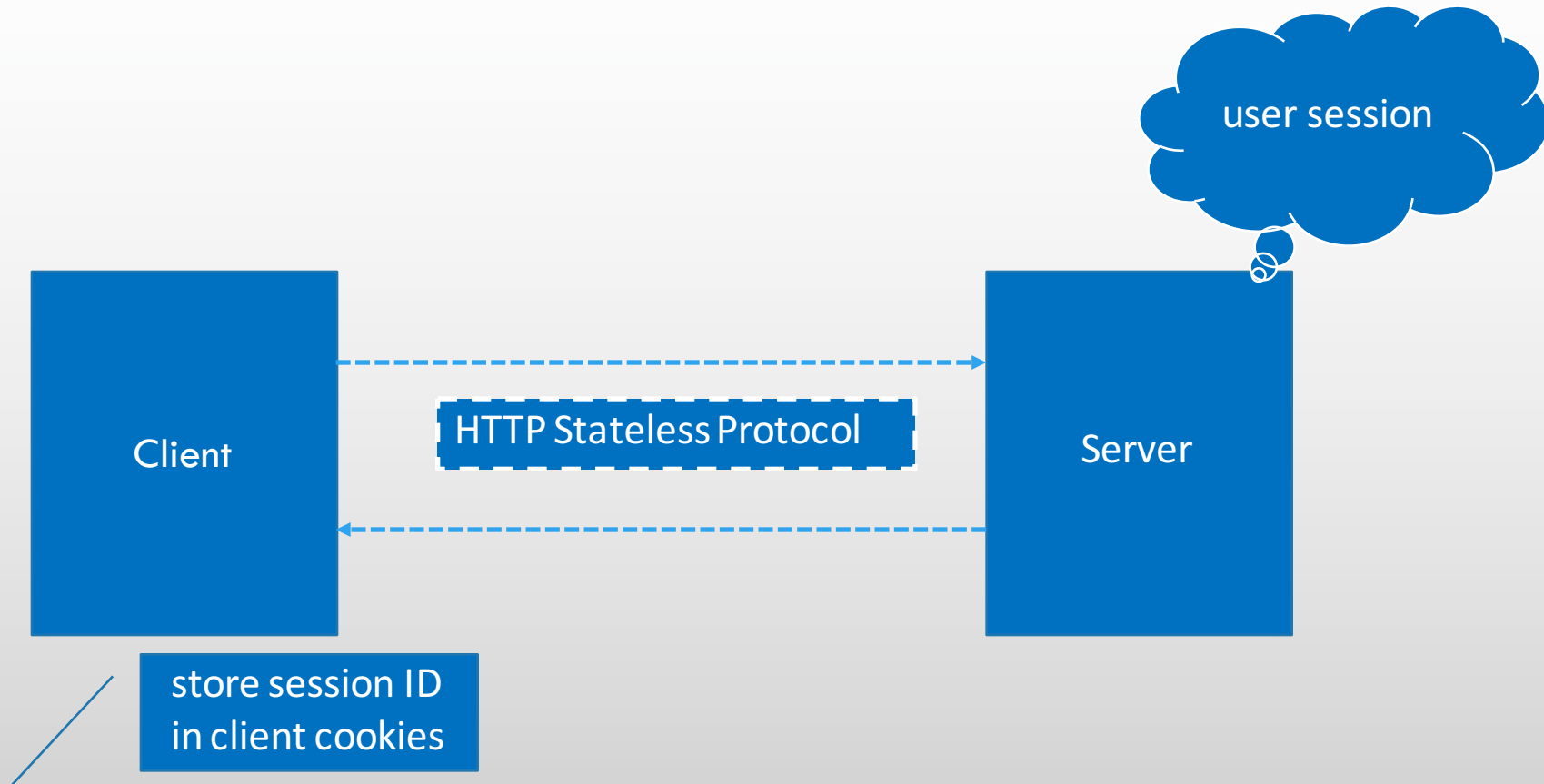# Express

Day3

Session

File Upload

Mongoose

Session

Session

npm install **express-session** --save

```
var express = require("express");
var session = require("express-session");

var app = express();

app.use(session({secert:"#GDF@#$#"}));

app.listen(3000);
```

Add Session Middleware

request.session

Session – Options

secret

Required option

This is the secret used to sign the session ID cookie .

cookie . maxAge

Specifies the number (in milliseconds) to use when calculating the Expires Set–Cookie attribute

File Upload

npm install **multer** --save

```
var express = require("express");
var multer = require("multer");
var upload = multer({ dest: 'uploads/' })
var app = express();

app.post(" /profile", upload.single("avatar"), function (req, res){
// req.file
})
app.post(" /photos/upload", upload.array("photos",12), function (req, res){
// req.files
})
app.listen(3000);
```
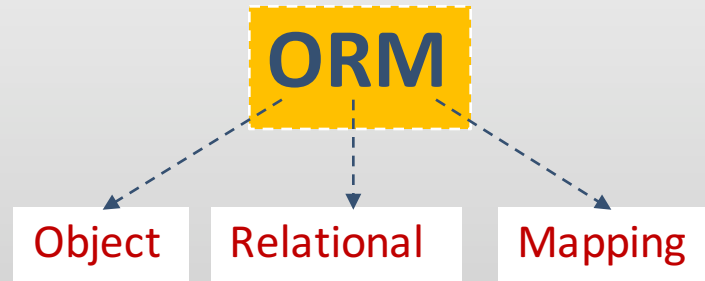
Add multer Middleware

Mongoose

npm install **mongoose** --save

Connect to MongoDB

Mongoose provides a straight-forward, schema-based solution to model your application data. It includes built-in type casting

ORM

Object   Relational   Mapping

Mongoose

```
var mongoose = require("mongoose");
//open connection with MongoDB
mongoose.connect("mongodb://127.0.0.1:27017/ db_name");

//register Model For ORM
mongoose.model("users",{ name:String , salary:Number })

//get data from model

mongoose.model("users").find(function(users){
        console.log(users);
})
```

ORM

For each collection in mongodb create separated file in nodejs

```
var mongoose = require("mongoose")
var Schema = mongoose.Schema;
var Users = new Schema(
{
        name: String,
        salary: Number,
        dob: {
                type: Date,
                default: Date.now
        }
});
// register model
mongoose.model("users", Users);
```

DB Operations

```
mongoose.model("users").find({query},function(users){
        //users
});

mongoose.model("users").remove({query},function(err,data){

});

mongoose.model("users").update({query},{update},{options},function(err,data){

});
```

Code Time

Thank You

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