Level 1

```javascript
app.post("/login", function(req, res){
  const username = req.body.username;
  const password = req.body.password;

  User.findOne({email: username}, function(err, foundUser){
    if (err) {
      console.log(err);
    } else {
      if (foundUser) {
        if (foundUser.password === password) {
          res.render("secrets");
        }
      }
    }
  });

});
```

Level 2

* Npm package mongoose-encryption
                        ↑
              encrypt & authenticate

* Plugin: Adding to extend more functionalities or
          giving them more power

```javascript
const userSchema = new mongoose.Schema ({
  email: String,
  password: String
});
// to decrypt the password
const secret = "Thisisourlittlesecret.";
userSchema.plugin(encrypt, { secret: secret });
Should add before creating the model

const User = new mongoose.model("User", userSchema);
```

Problem: encrypting the whole
database. email as well as
password

*Encrypt only certain fields

```
const secret = "Thisisourlittlesecret.";
userSchema.plugin(encrypt, { secret: secret, encryptedFields: ["password"] })
```

//encrypting the password only

["password",
"email"]
can encrypt multiple fields
by adding entries to the
array

*Mongoose model works
when you do save() it
will encrypt and when you do
find it will decrypt

Problem: Hacker can get in app.js and find the
Secret key