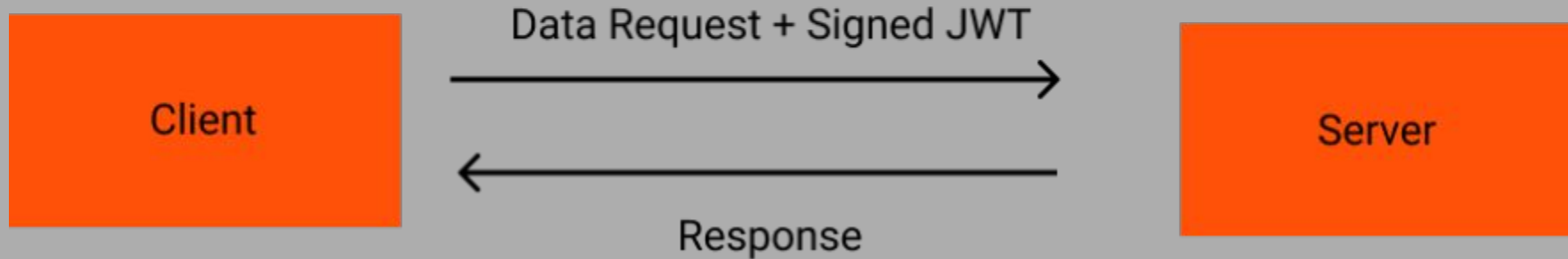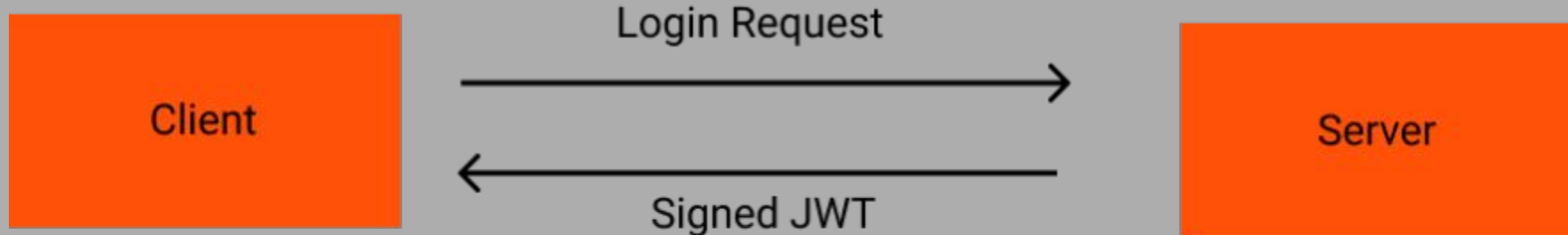# Welcome Geeks

Session 17

Topics to be covered

- Middlewares
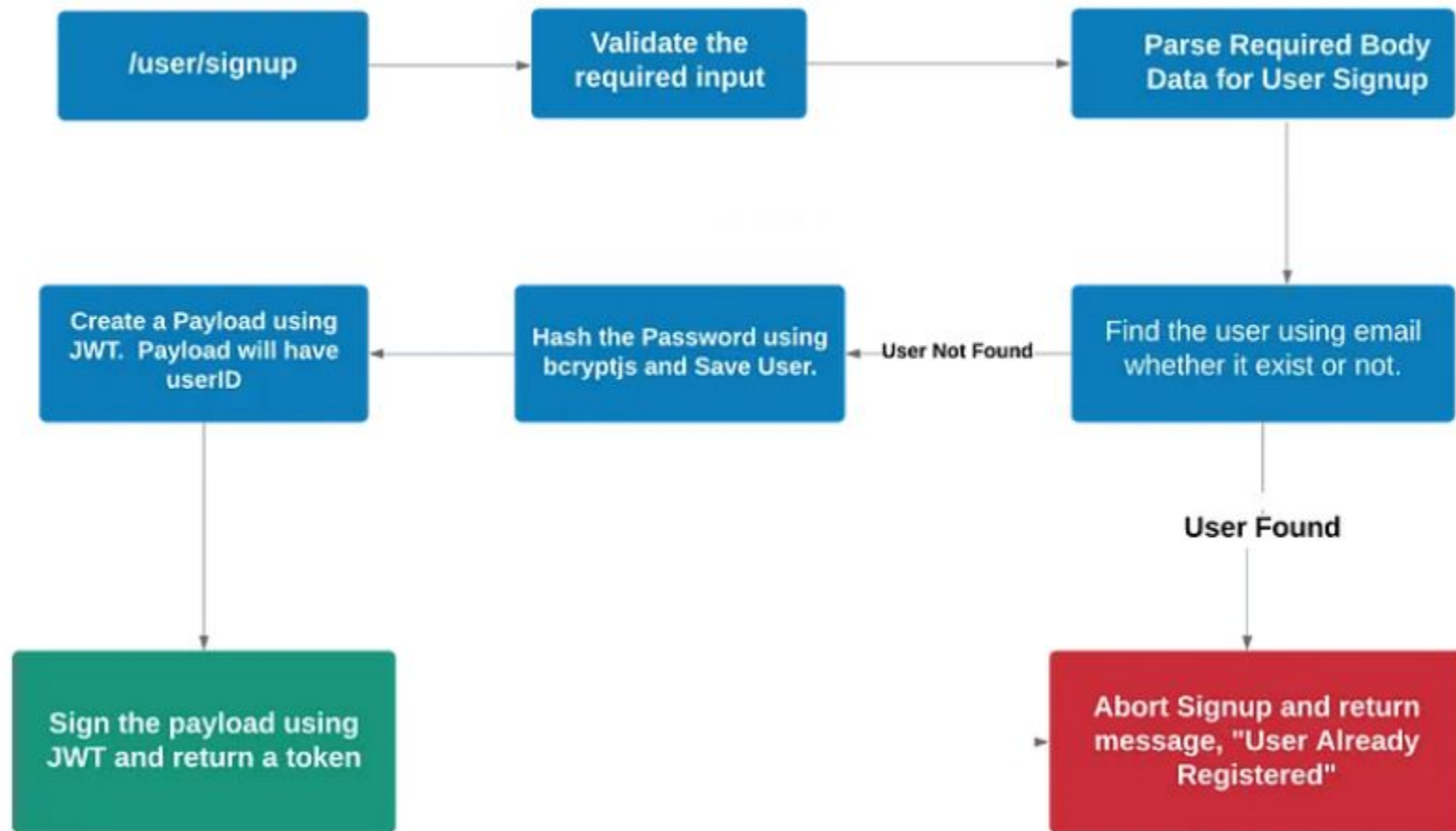- JWT Approach
- Handling Authentication

Middlewares

Middleware gets executed after the server receives the request and before the controller actions send the response.

Middleware has the access to the request object, responses object, and next, it can process the request before the server send a response.

User Registration Flowchart

```
/user/signup  →  Validate the required input  →  Parse Required Body Data for User Signup
                                                              ↓
Create a Payload using   ←  Hash the Password using   ← User Not Found ←  Find the user using email
JWT.  Payload will have     bcryptjs and Save User.                       whether it exist or not.
userID                                                                              ↓
     ↓                                                                         User Found
                                                                                    ↓
Sign the payload using                                               Abort Signup and return
JWT and return a token                                               message, "User Already
                                                                     Registered"
```

Bcryptjs and JsonWebToken

Bcryptjs. This library will be used to hash the password and then store it in the database. This way, even app administrators can't access the account of a user.

JsonWebToken. JsonWebToken will be used to encrypt our data payload on registration and return a token. We can use that token to authenticate ourselves to secured pages like the dashboard. There would also an option to set the validity of those tokens, so you can specify how much time that token will last.
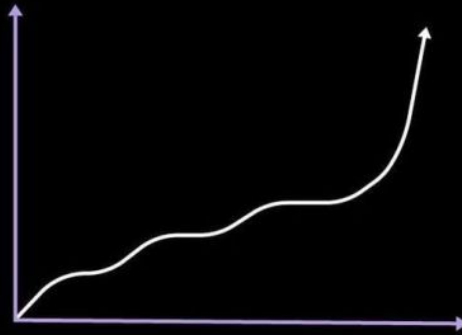
NPM Packages

```
npm i bcrypt
npm i jsonwebtoken
```
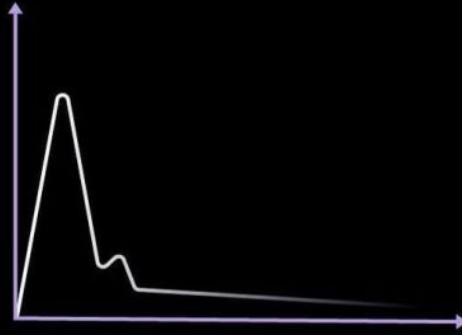
I will be the best

I will be better than yesterday

Hands On