

```
{  
    "success": false,  
    "message": "next is not a function"  
} why this type of error occur
```

This error usually comes from JavaScript and means:

You're trying to call `next()` but the thing called `next` is not actually a function.

Common reasons this happens

1. `next` was never passed in

This often happens in Express.js middleware.

✖ Example:

```
js  
app.use((req, res) => {  
    next(); // ✖ next is undefined  
});
```

✓ Fix:

```
js  
app.use((req, res, next) => {  
    next(); // ✅ now it's a function  
});
```

👉 Middleware functions must have `next` as the third parameter.

2. You overwrote `next` with something else

You might have accidentally reassigned it.

✖ Example:

```
js  
function middleware(req, res, next) {  
    next = true; // ✖ overwriting next  
    next(); // error  
}
```

✓ Fix:

Never reassign `next`.

3. Using `next()` outside middleware

`next()` only exists in middleware or route handlers.

✖ Example:

```
js  
function helper() {  
    next(); // ✖ next does not exist here  
}
```

✓ Fix:

Pass `next` as an argument:

```
js  
function helper(next) {  
    next();  
}
```

4. Wrong framework or context

If you're not using Express / Koa / similar middleware-based frameworks, `next()` may not exist at all.

5. Promise / async confusion

Calling `next()` inside async code without proper middleware structure can also trigger this.

How to debug quickly

Add this line before calling `next()`:

```
js  
console.log(typeof next);  
  
• If it prints "function" → OK  
• If it prints "undefined" or "object" → that's the problem
```

In short

This error occurs because:

JavaScript expected `next` to be a function, but it wasn't.

If you want, you can paste the exact code where the error happens and I'll point out the issue precisely 🚀



```
userSchema.pre("save", async function(next) {  
    if (!this.isModified("password")) return next();  
    try {  
        this.password = await bcrypt.hash(this.password, 10);  
        next();  
    } catch (err) {  
        next(err);  
    }  
});
```

Your code is almost correct, but this error happens because of a Mongoose hook rule:

✖ You should not mix `async/await` with `next()` in Mongoose middleware

That's why you're getting `next is not a function`.

Why this happens

In Mongoose:

- If you use `next`, the function should NOT be `async`
- If you use `async`, Mongoose automatically handles `next`

Right now, you're doing both, which causes Mongoose to mis-handle `next`.

✖ Your current code (problematic)

```
js  
userSchema.pre("save", async function(next) {  
    if (!this.isModified("password")) return next();  
    try {  
        this.password = await bcrypt.hash(this.password, 10);  
        next();  
    } catch (err) {  
        next(err);  
    }  
});
```

✓ Fix Option 1 (Recommended): Use `async` WITHOUT `next`

```
js  
userSchema.pre("save", async function () {  
    if (!this.isModified("password")) return;  
  
    this.password = await bcrypt.hash(this.password, 10);  
});
```

- ✓ Clean
- ✓ Modern
- ✓ No `next()` needed
- ✓ Mongoose waits automatically

✓ Fix Option 2: Use `next` WITHOUT `async`

```
js  
userSchema.pre("save", function (next) {  
    if (!this.isModified("password")) return next();  
  
    bcrypt.hash(this.password, 10)  
        .then(hash => {  
            this.password = hash;  
            next();  
        })  
        .catch(err => next(err));  
});
```

✓ Best Practice (Use Option 1)

Mongoose v5+ prefers `async` middleware.

So your best version is:

```
js  
userSchema.pre("save", async function () {  
    if (!this.isModified("password")) return;  
    this.password = await bcrypt.hash(this.password, 10);  
});
```

Summary

The error occurs because:

- `async` + `next()` were used together
- Mongoose expects one or the other, not both

If you want, tell me:

- Your Mongoose version
- Where this schema is used

and I'll double-check everything 🚀

Ask anything

