

```
{
  "success": false,
  "message": "next is not a function"
} why tthis 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

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