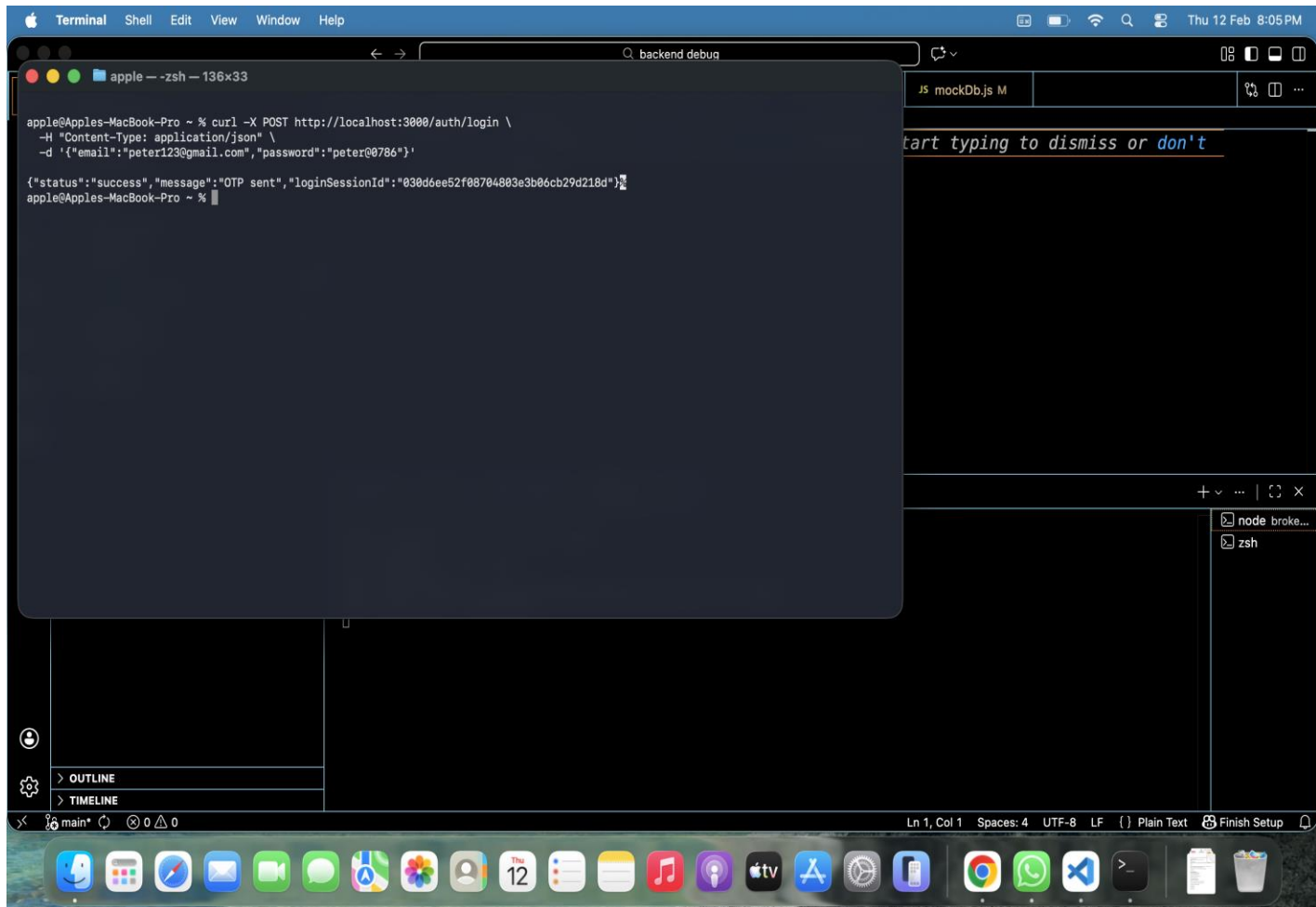


Task 1: Fix Login

Endpoint: POST /auth/login The server should generate a session and log an OTP to the console.

Test Command:

```
curl -X POST http://localhost:3000/auth/login \  
-H "Content-Type: application/json" \  
-d '{"email": "<YOUR_EMAIL@example.com>", "password": "password123"}'
```

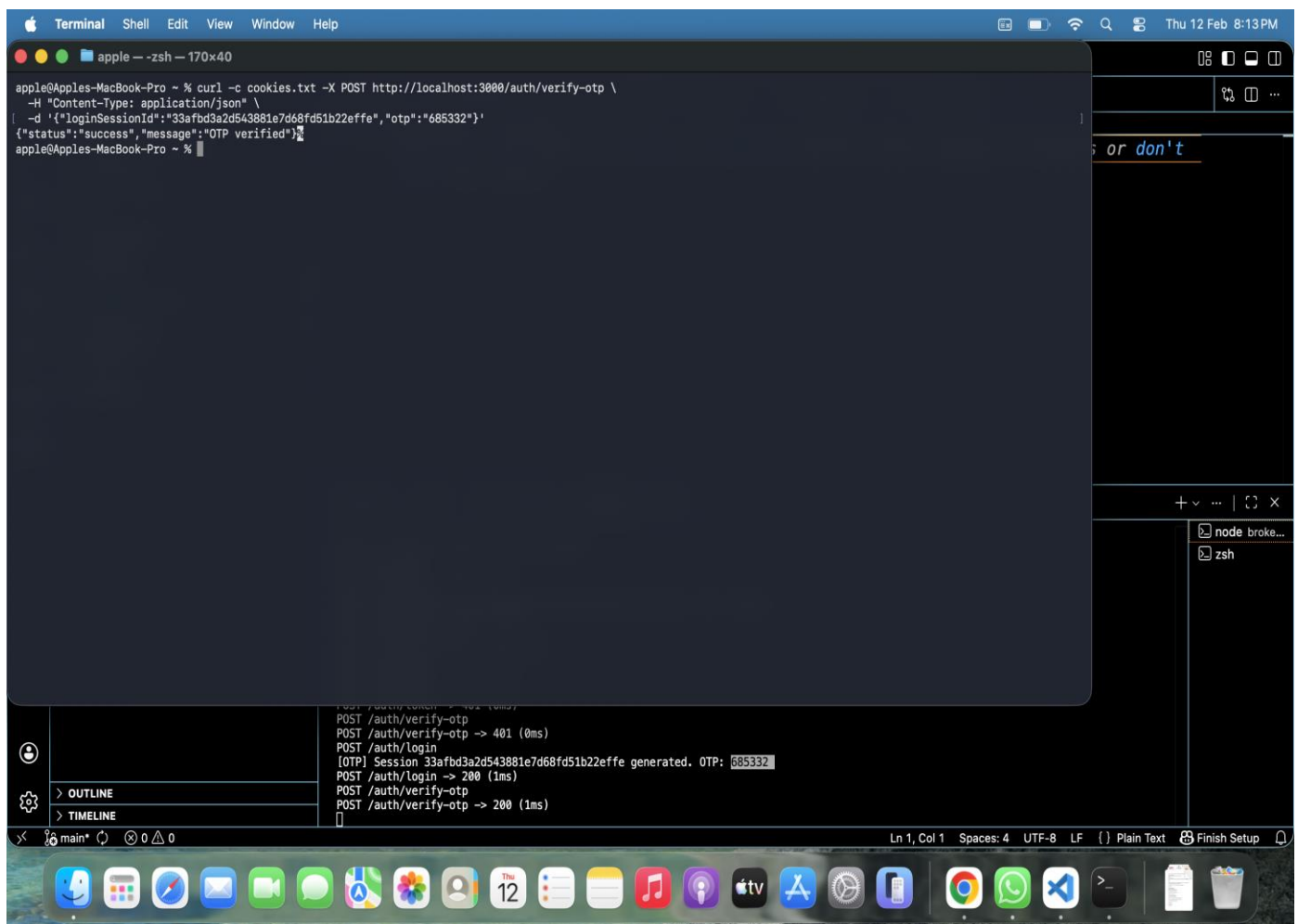


Task 2: Fix OTP Verification

Endpoint: POST /auth/verify-otp The server fails to verify the OTP correctly. You need to find out why. *Hint: Check data types and how cookies are set.*

Test Command: (Replace <loginSessionId> and <otp> with values from Task 1)

```
curl -c cookies.txt -X POST http://localhost:3000/auth/verify-otp \
-H "Content-Type: application/json" \
-d '{"loginSessionId":"<loginSessionId>","otp":"<otp_from_logs>"}
```

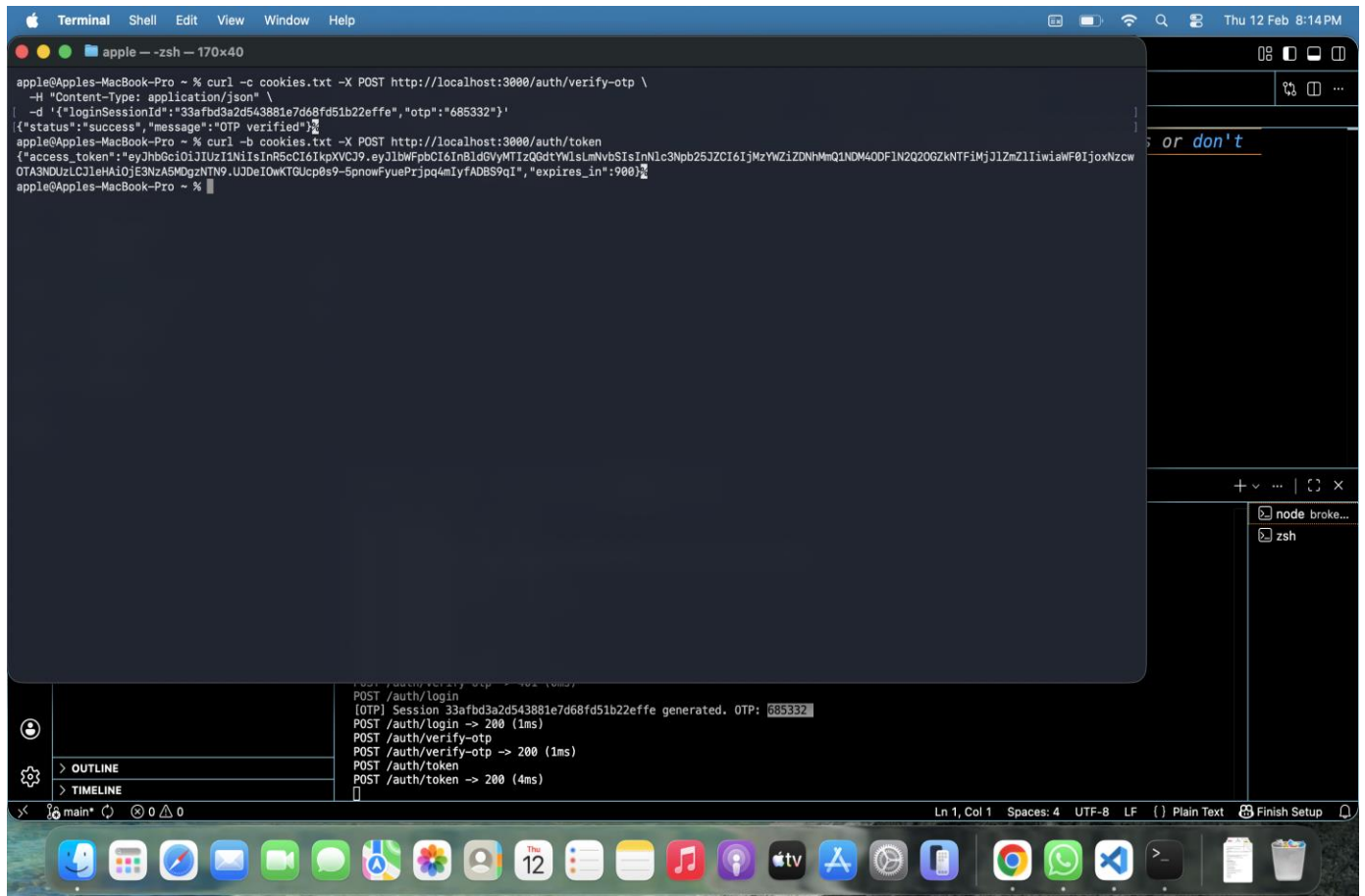


Task 3: Fix Token Generation

Endpoint: POST /auth/token This endpoint is supposed to issue a JWT, but it has a bug in how it reads the session.

Test Command:

```
# Uses the cookie captured in Task 2
curl -b cookies.txt -X POST http://localhost:3000/auth/token
```



Task 4: Fix Protected Route Access

Endpoint: GET /protected Ensure the middleware correctly validates the token.

Test Command:

```
# Replace <jwt> with the token from Task 3
curl -H "Authorization: Bearer <jwt>" http://localhost:3000/protected
```

A screenshot of a macOS desktop. The main window is a Terminal application with a dark background. It shows a series of curl commands being executed to interact with a local API. The first command is a POST to /auth/verify-otp, which returns a JSON response indicating success and an OTP. The second command is a POST to /auth/token, which returns an access token. The third command is a GET to /protected, which returns a JSON response indicating success and user information. The Terminal window has a title bar with 'Terminal' and menu options 'Shell', 'Edit', 'View', 'Window', and 'Help'. On the right side of the screen, there is a sidebar with a 'don't' label and a list of items: 'node broke...' and 'zsh'. The bottom of the screen shows the macOS dock with various application icons.