UML Sequence: Firebase Authentication

Project 37

User	Browser	NodeJS/Vue	Firebase API

User → Browser: Visit the login page

Browser → NodeJS/Vue: Retrieve the login page

NodeJS/Vue → Browser: Return the login page

Browser → User: Display page; wait for user input

User → Browser: Fill in the username and password field

Browser → NodeJS/Vue: Send username, password

NodeJS/Vue → Firebase API: Authentication Request

Firebase API: Verify the information is valid

Alternative

[Login valid]

Firebase API → NodeJS/Vue: Return authentication token

NodeJS/Vue → Browser: Return the logged in page

Browser → User: Display the logged in page

[Login invalid]

Firebase API → NodeJS/Vue: Invalid credentials

NodeJS/Vue → Browser: Return login failure page

Browser → User: Display the login failure page

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