**4.1Handling Web Tables, Mocking the Web Application**: Cypress provides commands to interact with web tables, such as cy.get() to select the table and its rows/columns, and cy.contains() to find specific table data. You can mock the web application's responses using cy.intercept() to simulate different scenarios and states.

**4.2Assertions for Visible and Invisible Elements**: Cypress allows you to assert the visibility of elements using commands like should('be.visible') and should('not.be.visible'). These assertions help ensure that elements are displayed or hidden as expected.