Java script and playwright

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60-DAY JAVASCRIPT & PLAYWRIGHT AUTOMATION SYLLABUS
PHASE 1:

1. JAVASCRIPT FUNDAMENTALS (Day 1–20)
    i. Variables, Data Types
    ii. Operators
    iii. Type Conversion
    iv. Input/Output
    v. Conditions
    vi. Loops
    vii. Functions
    viii. Arrays
    ix. Objects
    x. 'this' Keyword
    xi. Destructuring
    xii. Date & Math
    xiii. Callbacks
    xiv. Promises
    xv. Async & Await
    xvi. Exception Handling
    xvii. JSON
    xviii. API Data
    xix. DOM
    xx. Events
    xxi. Form Validation
    xxii. Local & Session Storage
    xxiii. Mini Project & Assessment

2. PHASE 2: PLAYWRIGHT AUTOMATION (Day 21–45)
    i. Playwright Setup
    ii. Project Structure
    iii. Test Execution
    iv. Locators
    v. Assertions
    vi. UI Automation (Inputs, Dropdowns, Checkboxes, Alerts, Frames, Windows)
    vii. File Upload & Download
    viii. Mouse & Keyboard Actions
    ix. Waits & Timeouts
    x. Screenshots & Videos
    xi. Debugging
    xii. Test Hooks
    xiii. Data-Driven Testing
    xiv. Page Object Model (POM)
    xv. Environment Configuration
    xvi. Parallel Execution

3. PHASE 3: API, GIT, CI/CD & PROJECT (Day 46–60)
    i. API Testing
    ii. REST Methods (GET, POST, PUT, DELETE)
    iii. Authentication, API Assertions
    iv. Hybrid UI + API Testing
    v. Git & GitHub, Branching
    vi. Jenkins CI/CD Integration
    vii. Framework Design

viii. Test Case Writing
ix. End-to-End Automation
x. Reporting (HTML, Allure)
xi. Framework Optimization
xii. Interview Preparation
xiii. Resume Building,
xiv. Mock Interview
xv. Final Project Demo