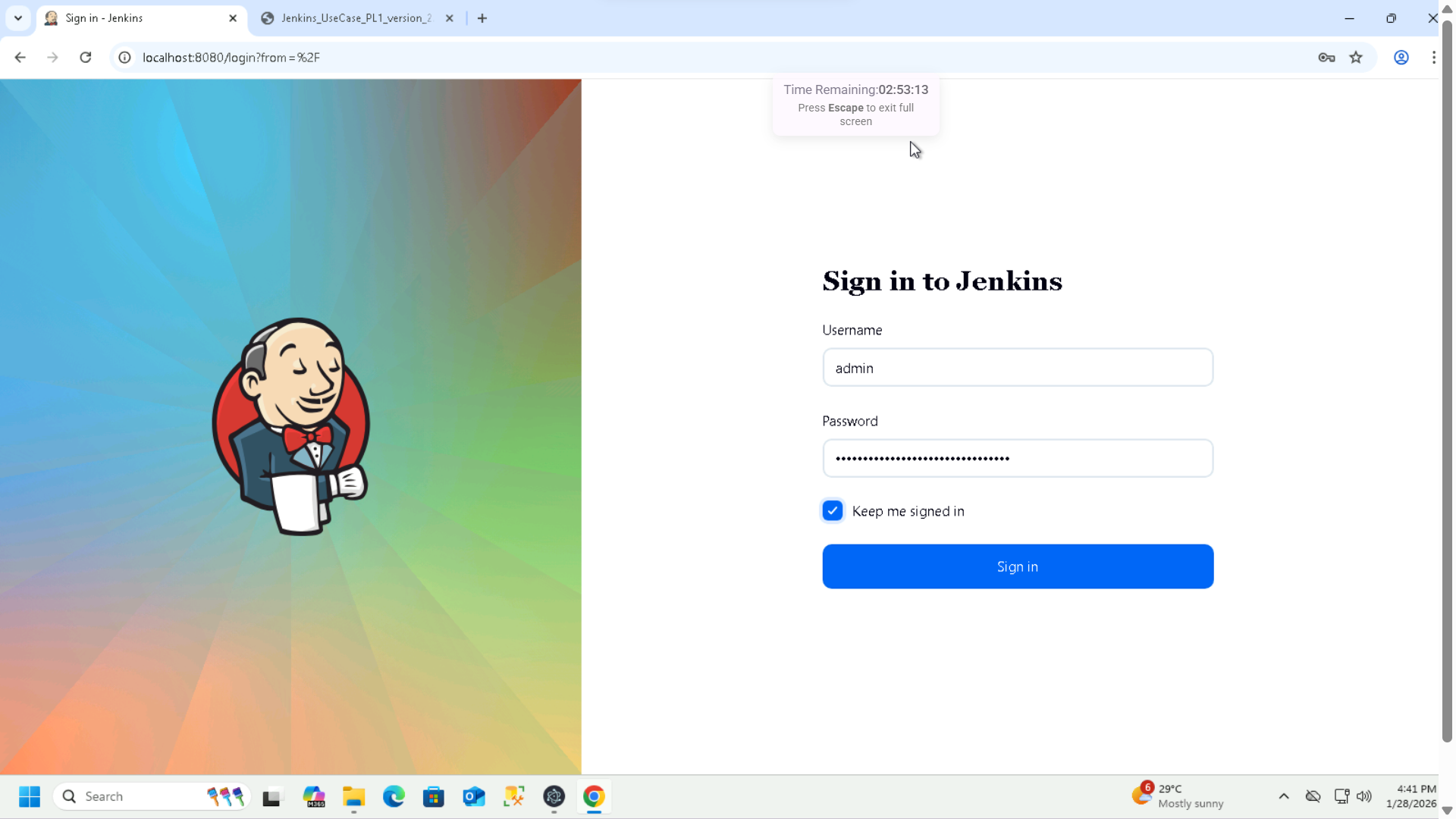
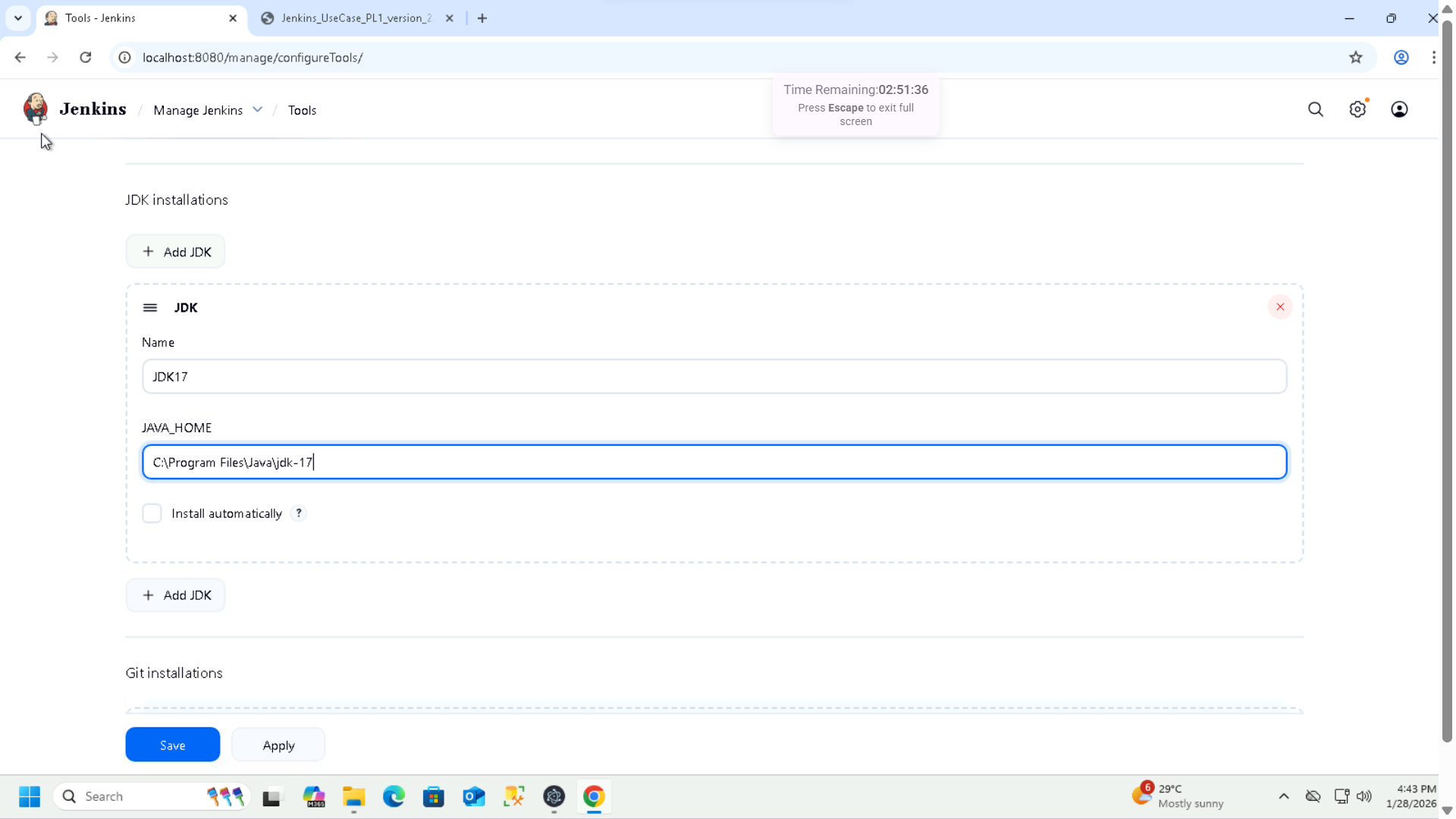
**User Story 1: Set Up Jenkins**

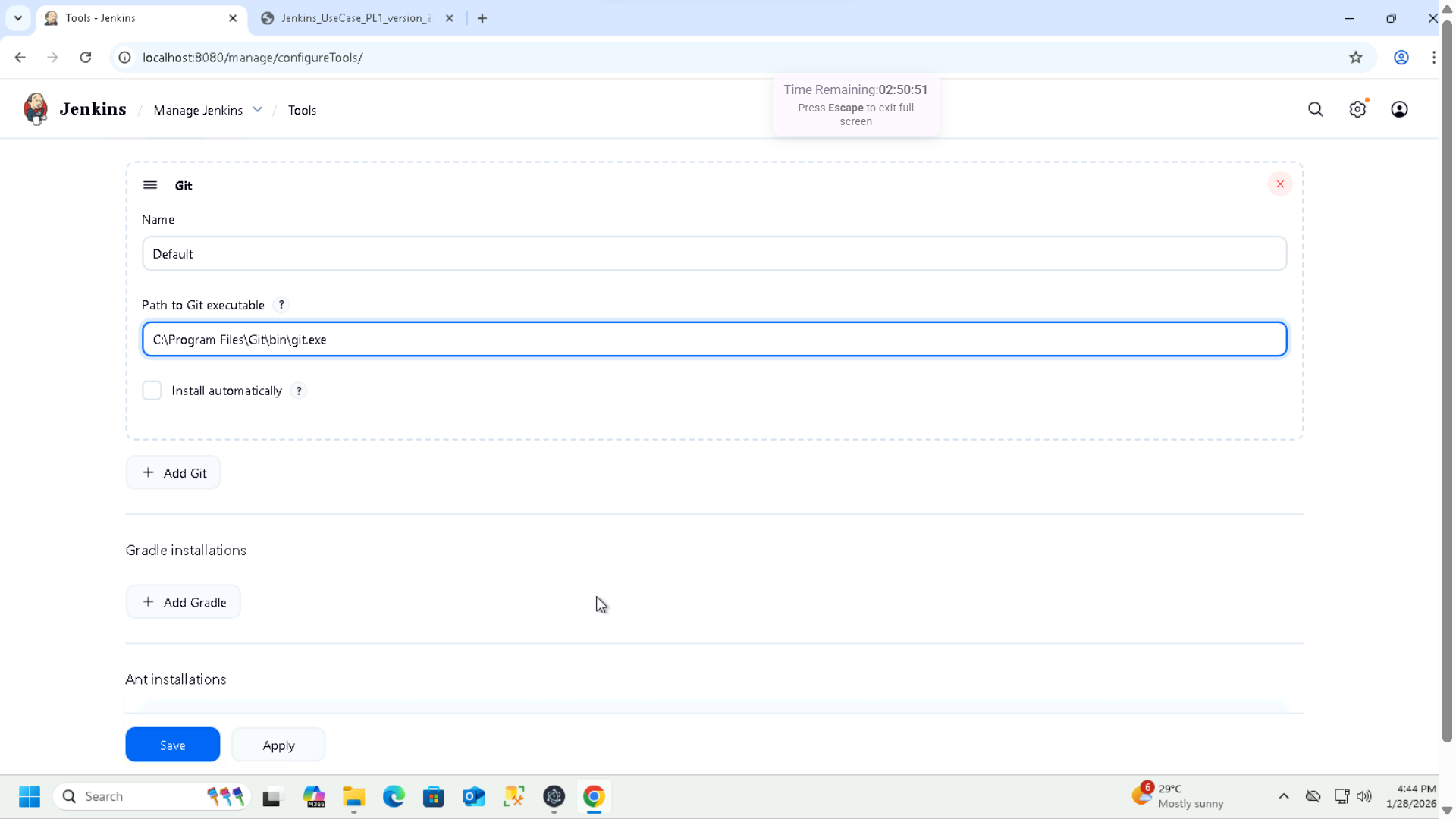
**Step 1: Start Jenkins Since Jenkins is up and running in the system. Go to a browser and hit the URL: http://localhost:8080 And login using the Username and Password.**



**Step 2: Configure JDK Inside Jenkins**

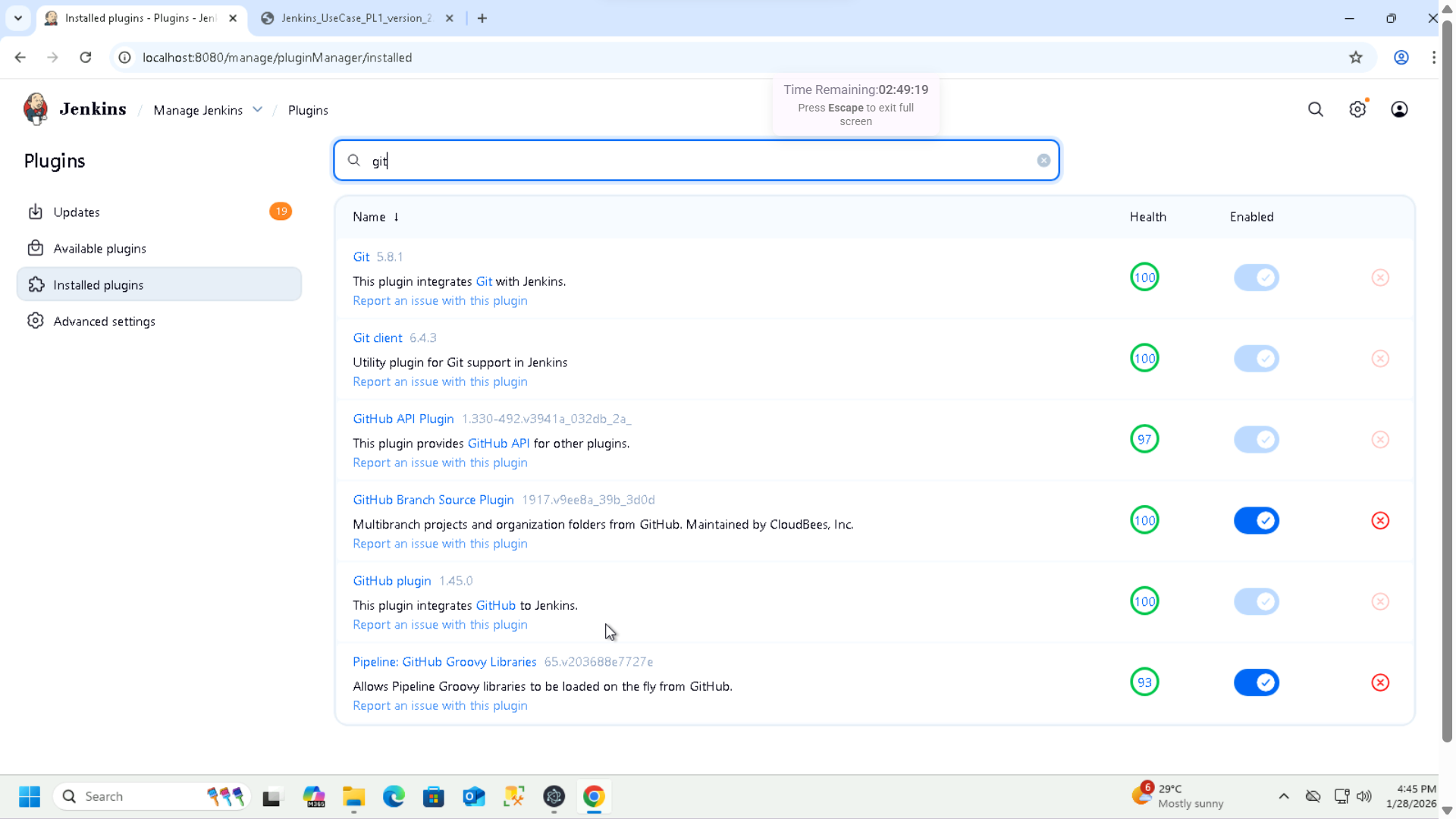


**Step 3: Configure Git in Jenkins**

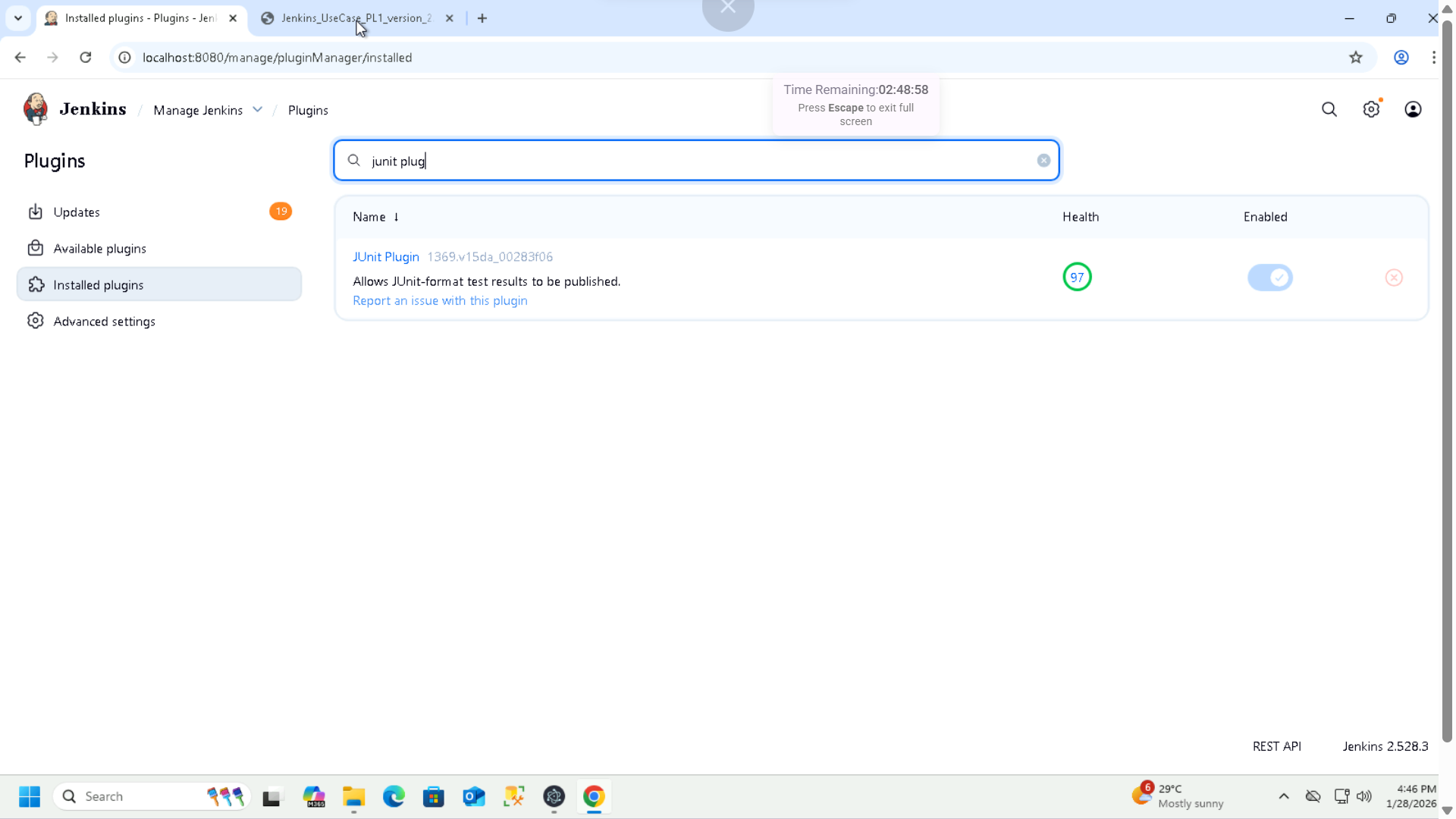


**Step 4: Install and Configure Required Plugins**

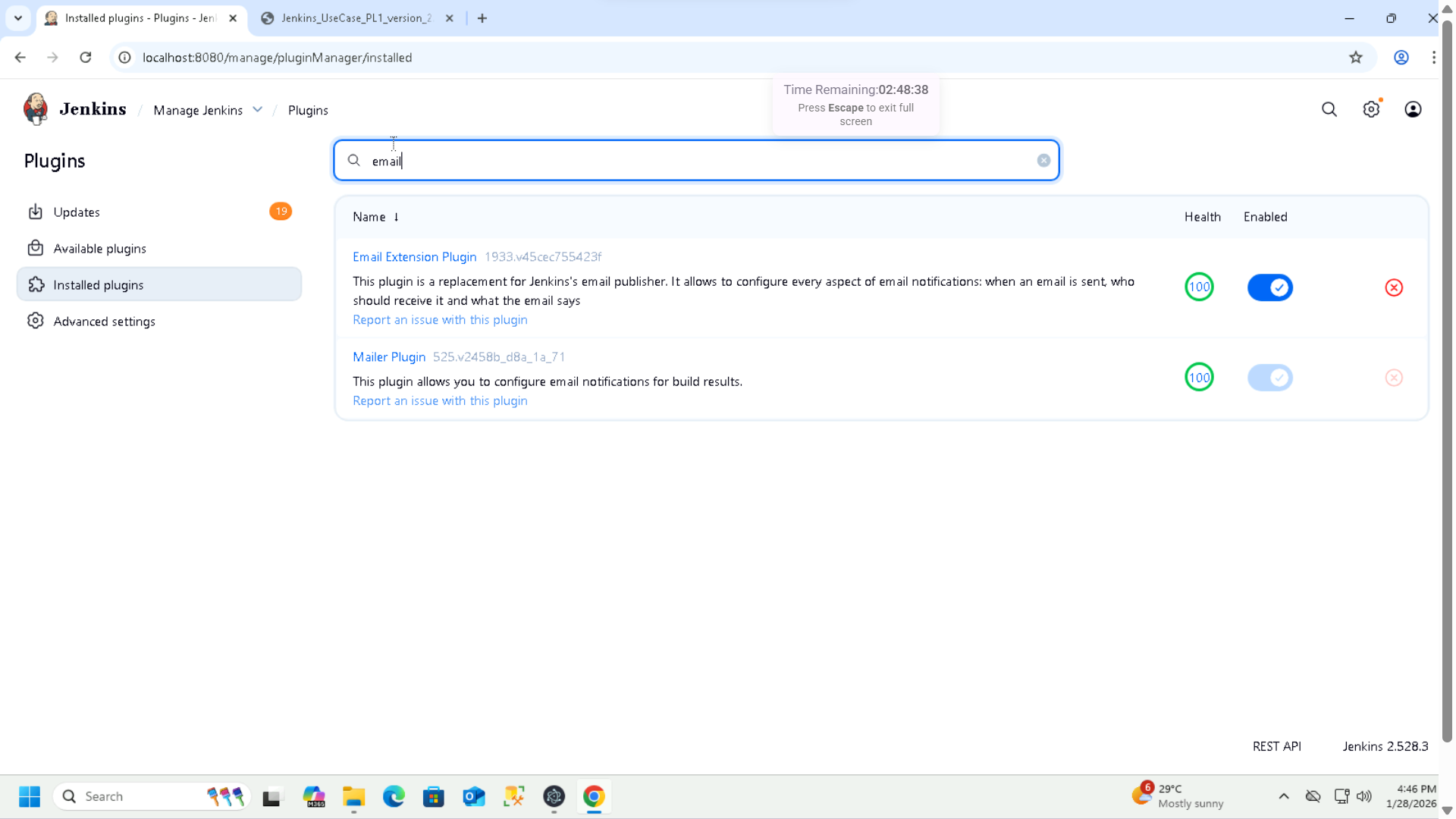
1. **Git Plugin**



1. **JUnit Plugin**

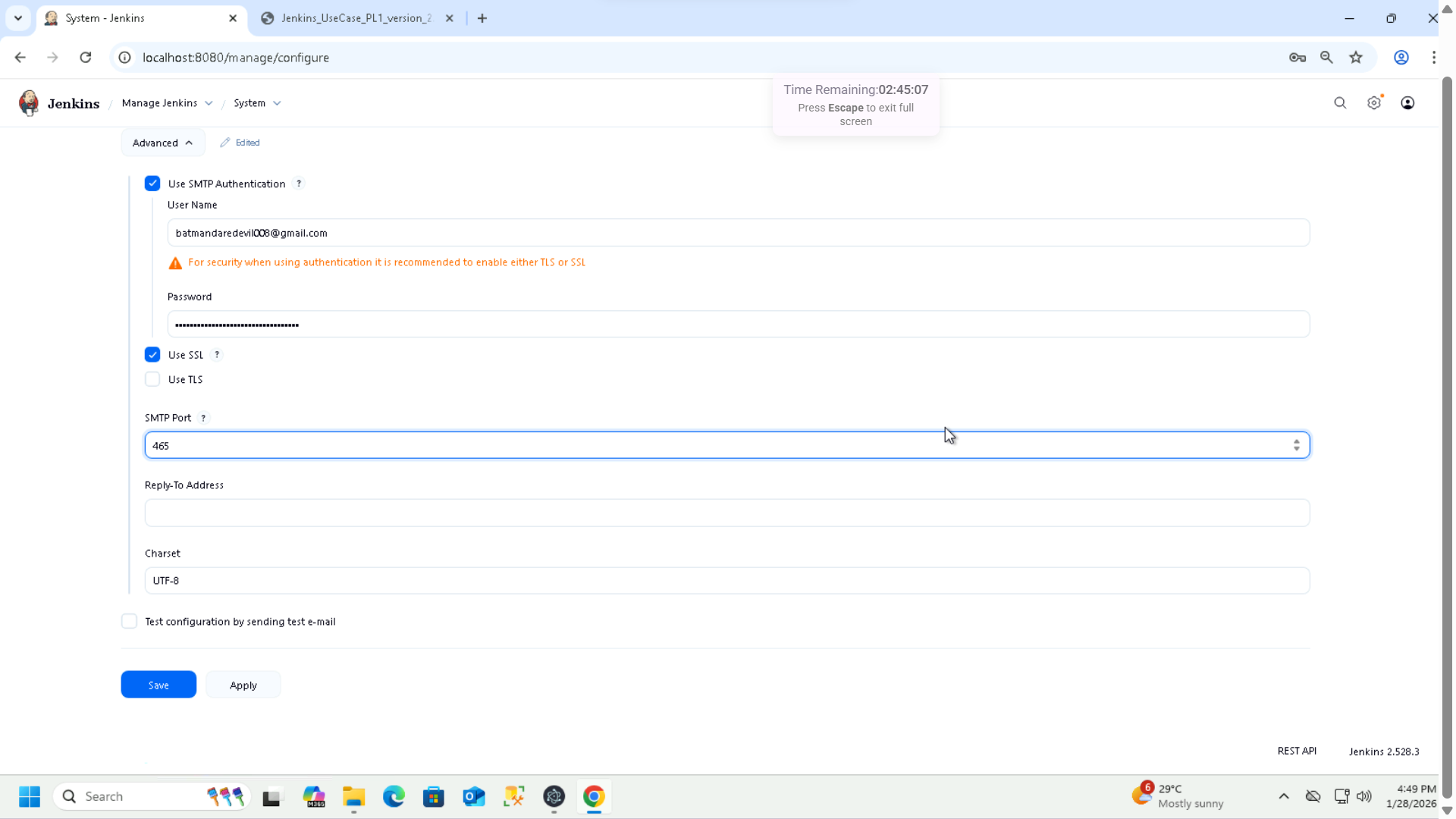


1. **Email Extension Plugin**

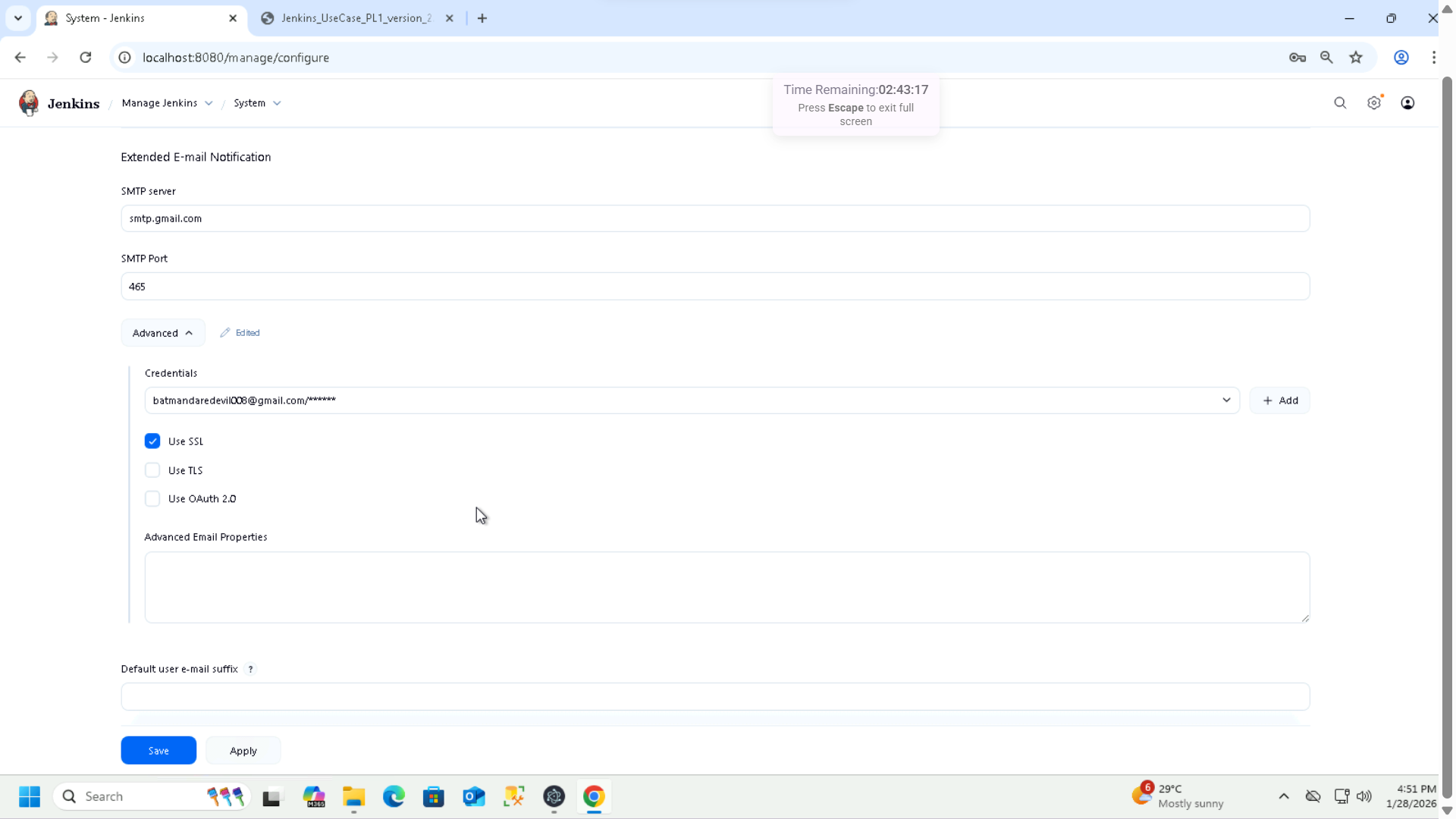


**Email configuration in manage Jenkins**

**Email Notification:**

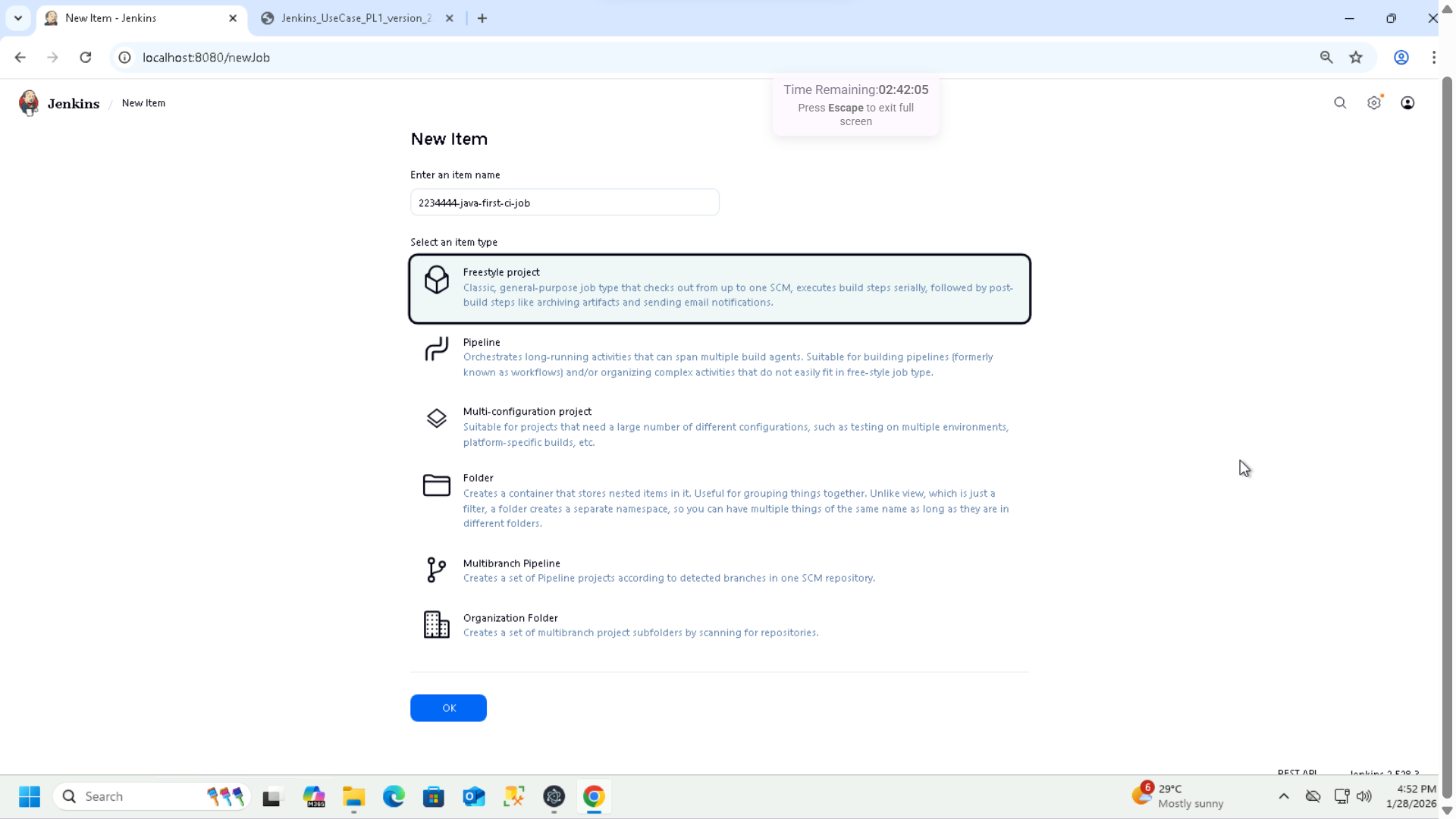


**Extended Email Notification:**



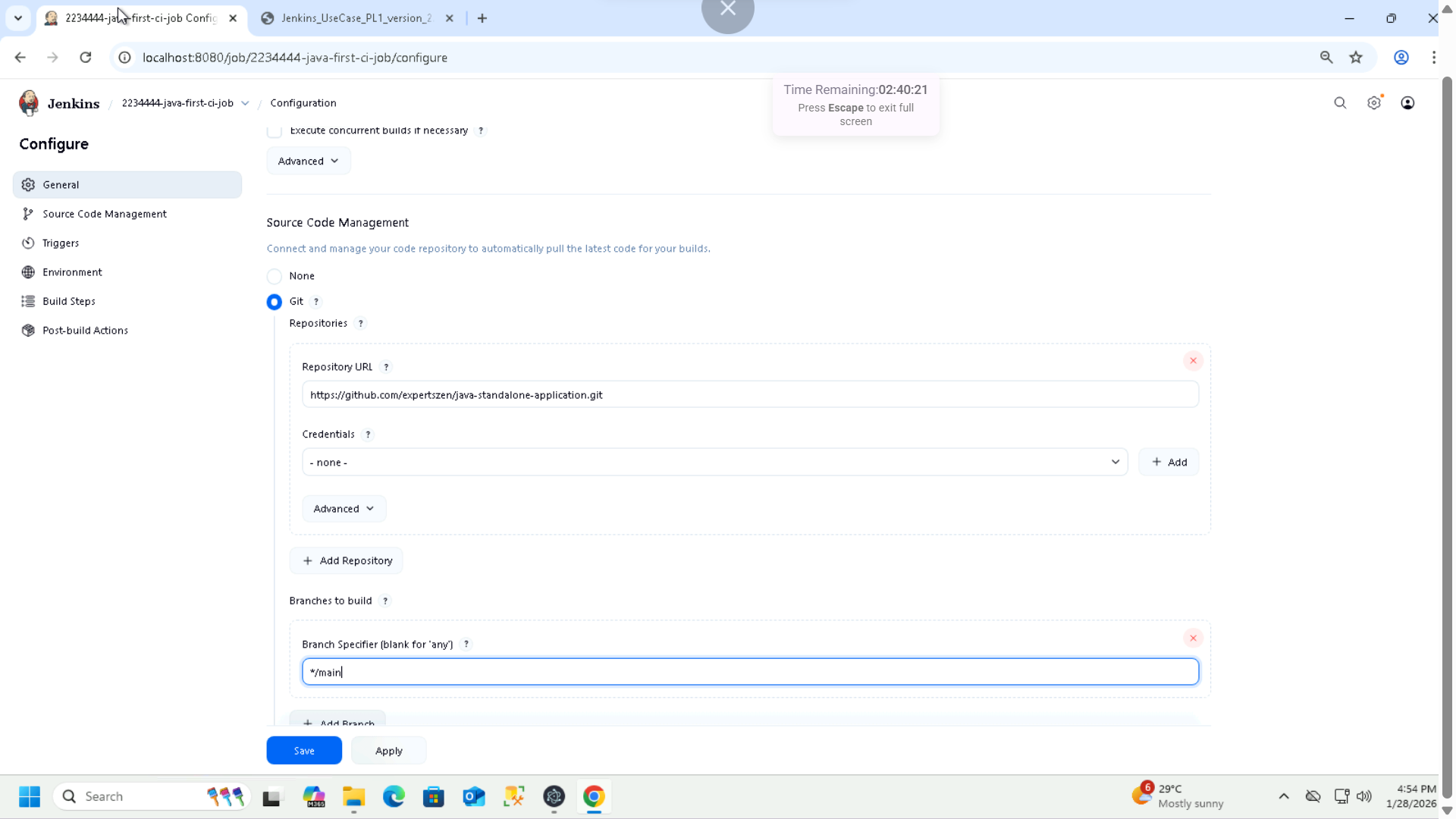
**User Story 2: Create a Basic Freestyle**

**Job 1: Create a freestyle job**



**GitHub Repo URL:** [**https://github.com/expertszen/java-standalone-application.git**](https://github.com/expertszen/java-standalone-application.git)

**Branch: Main**

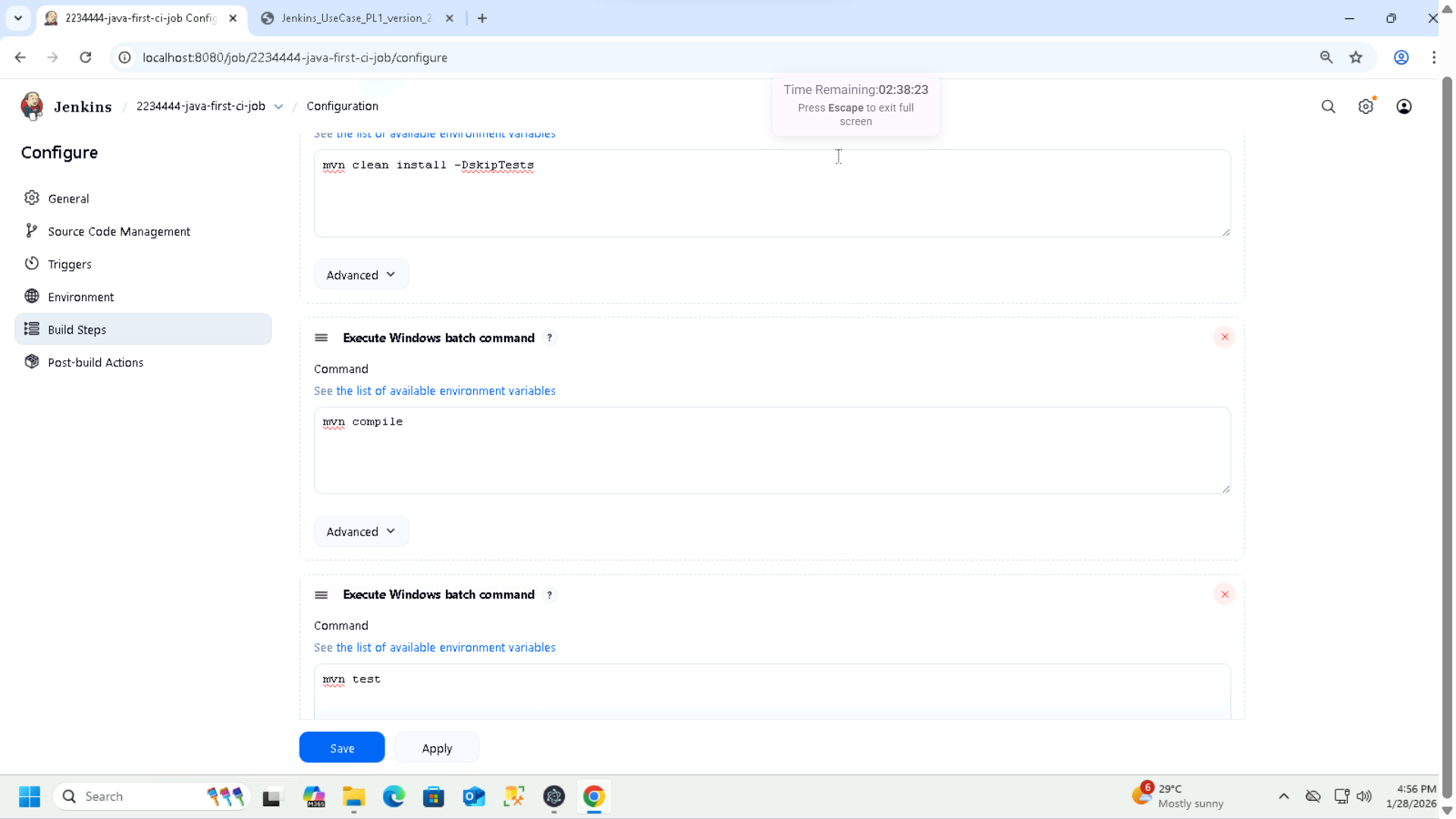


**2: Build steps**

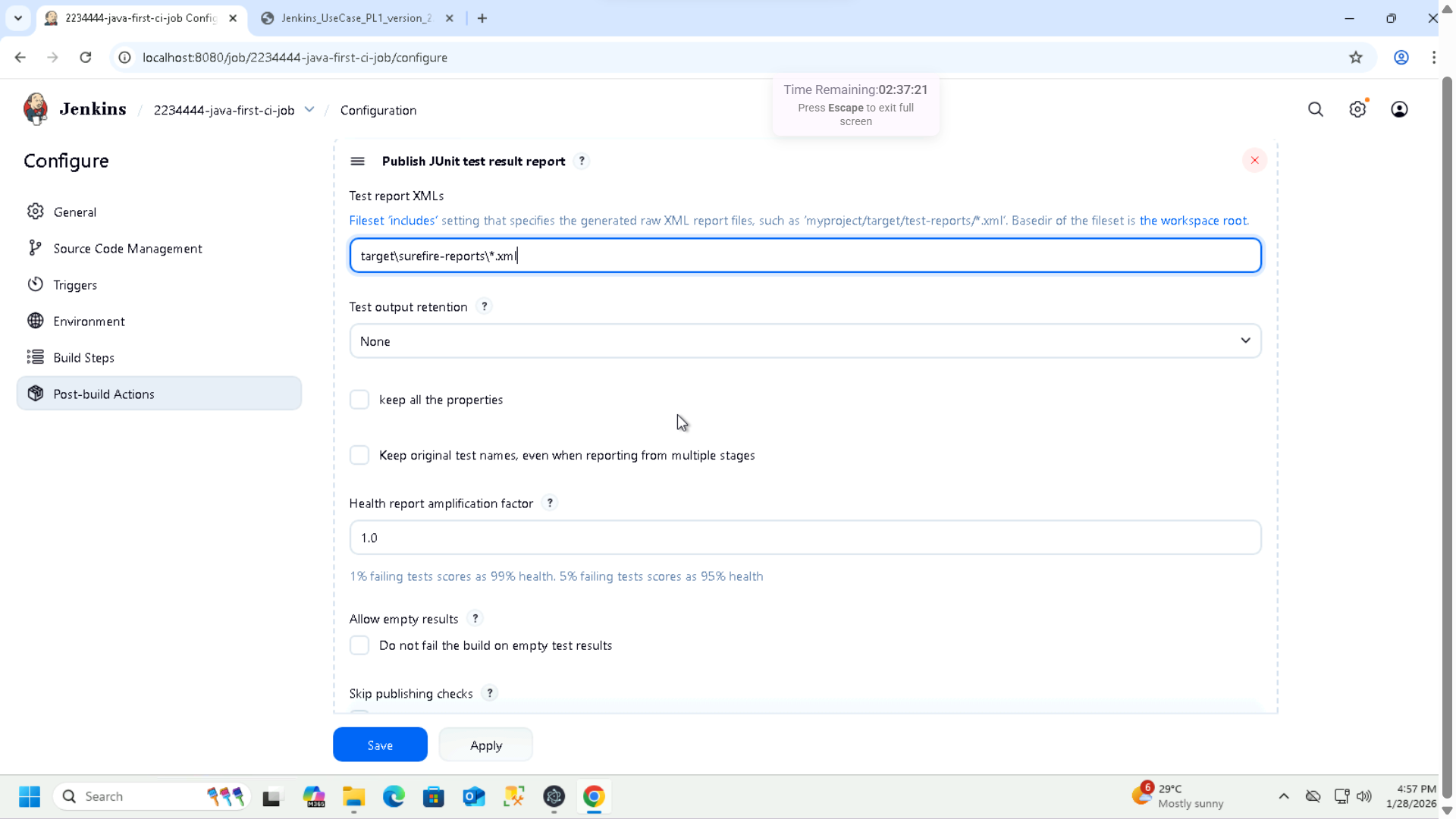
**a. Install Maven Dependencies: Execute Windows batch command: mvn clean install -DskipTests**

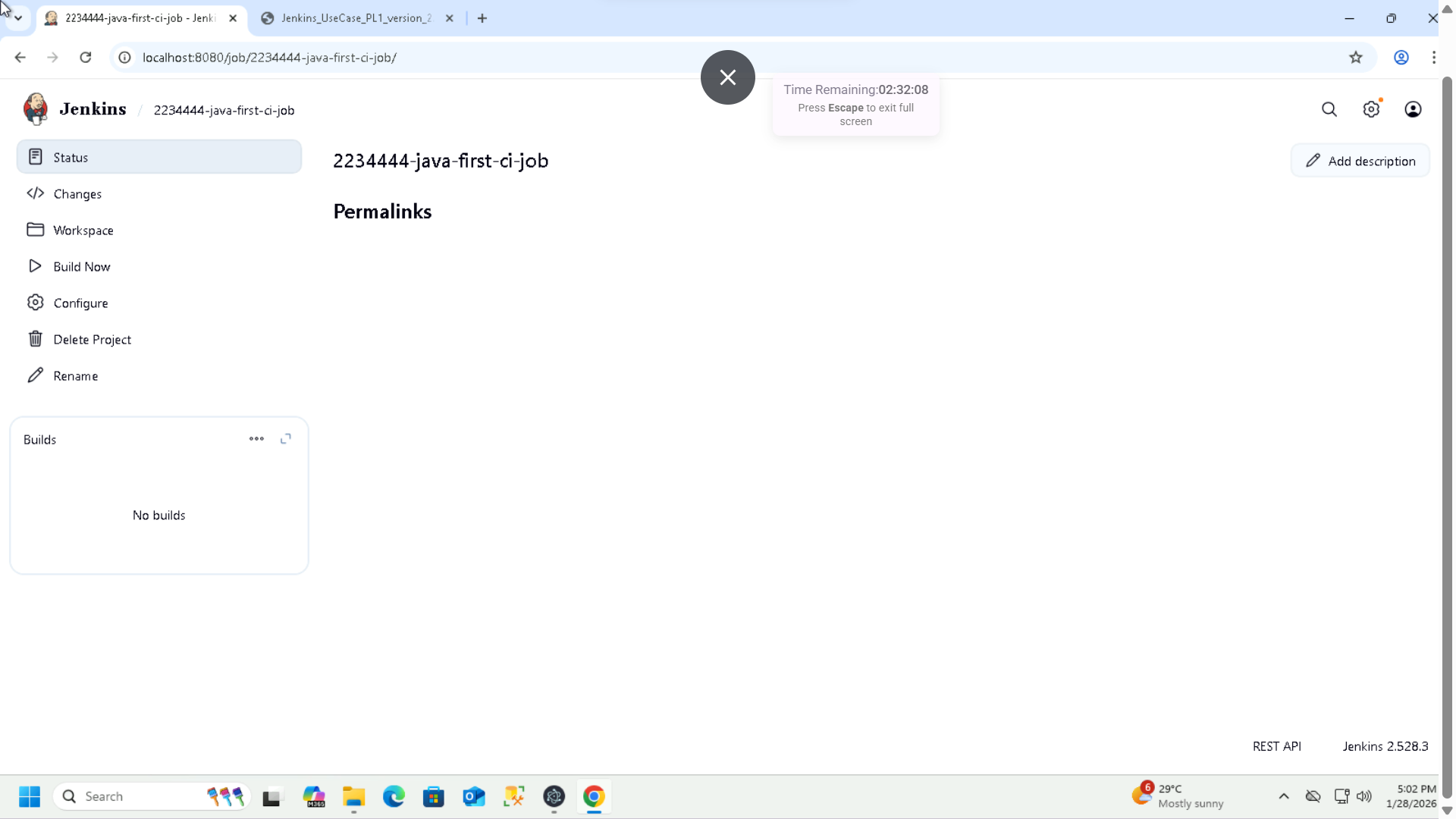
**b. Build the java code: Execute Windows batch command: mvn compile**

**c. Test the existing junit test case Execute Windows batch command: mvn test**

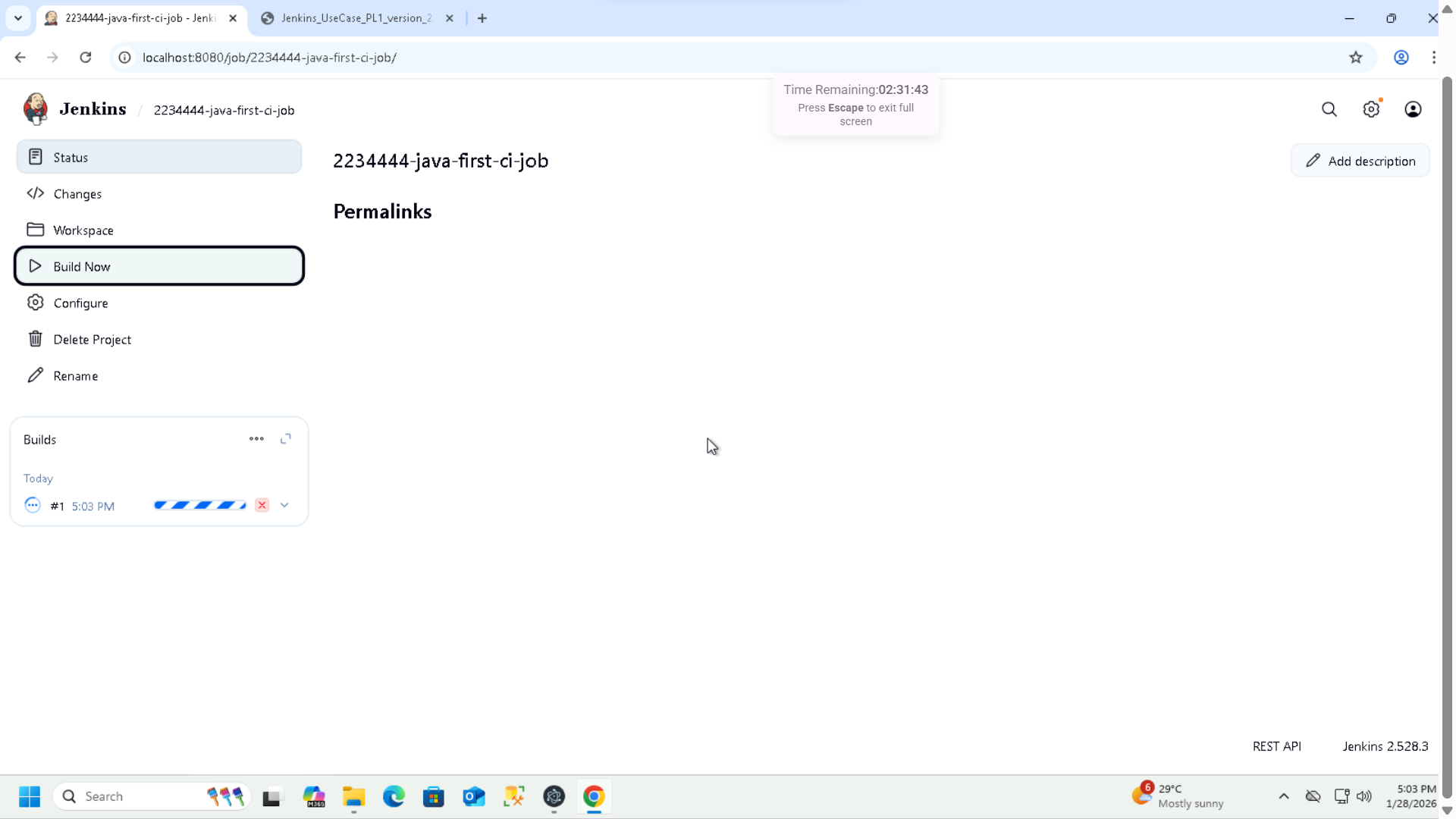


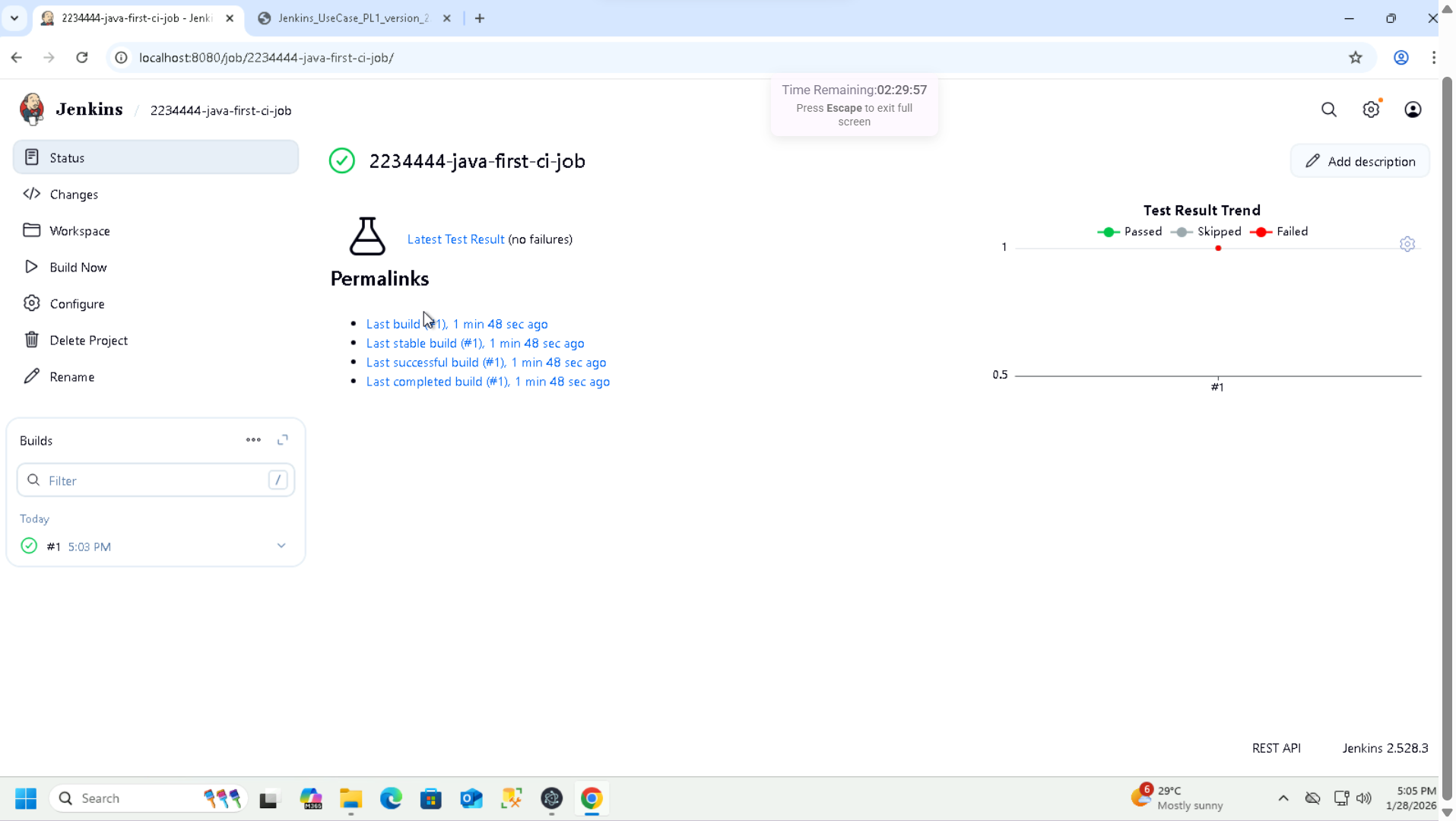
**Post Build Action:**



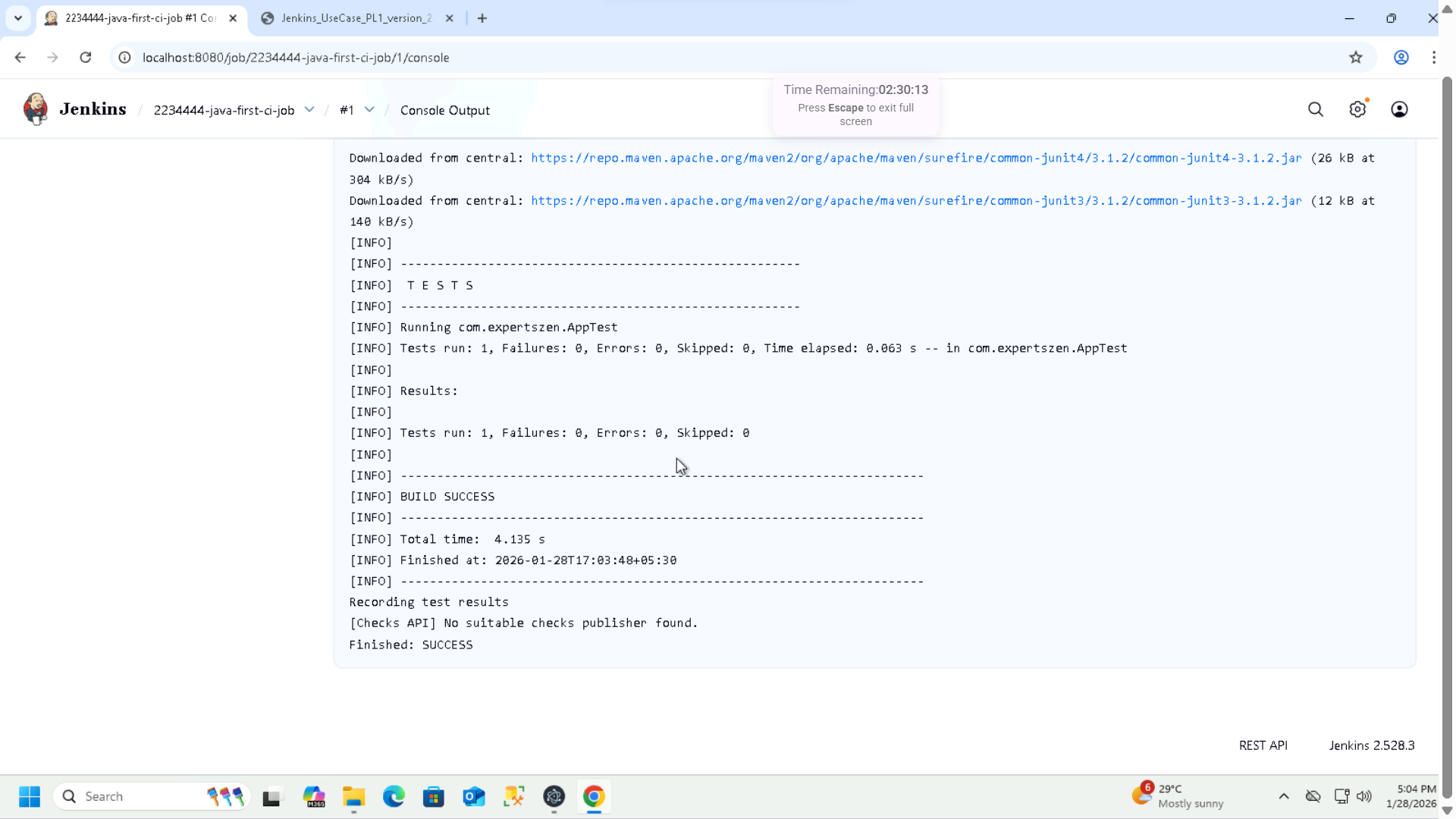


**3: Run the job ‘Build Now’**



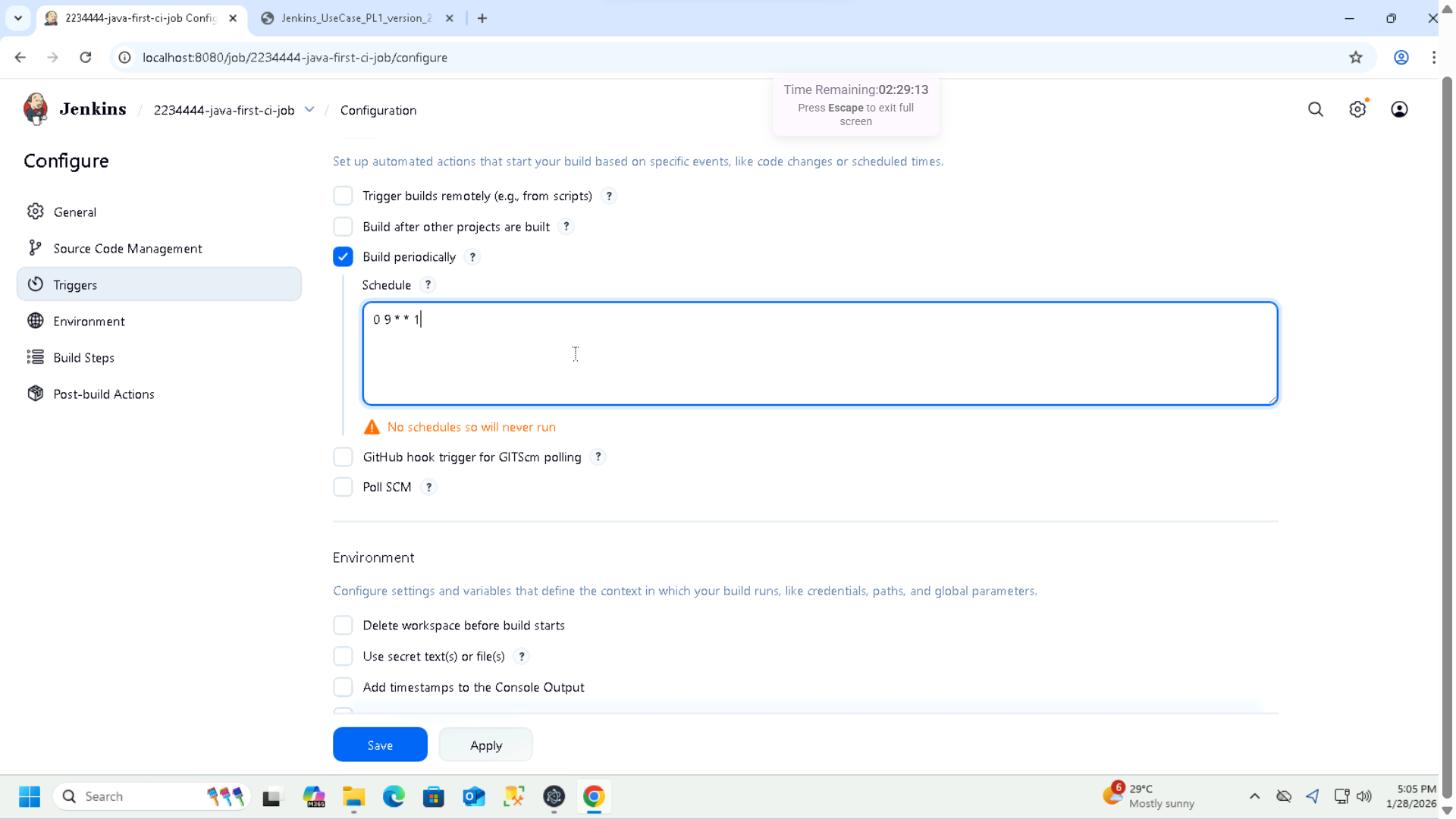


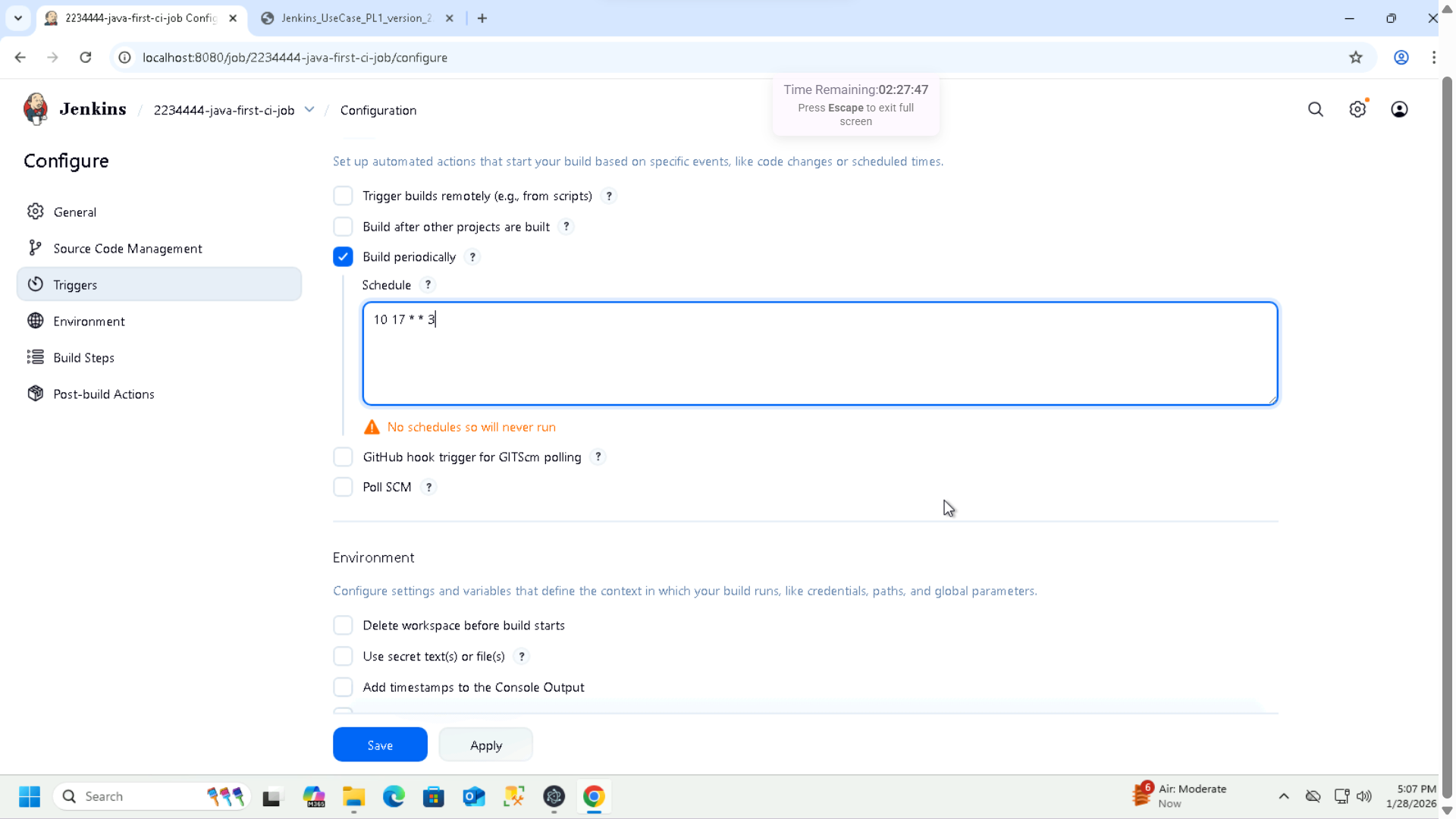
**Console Log:**

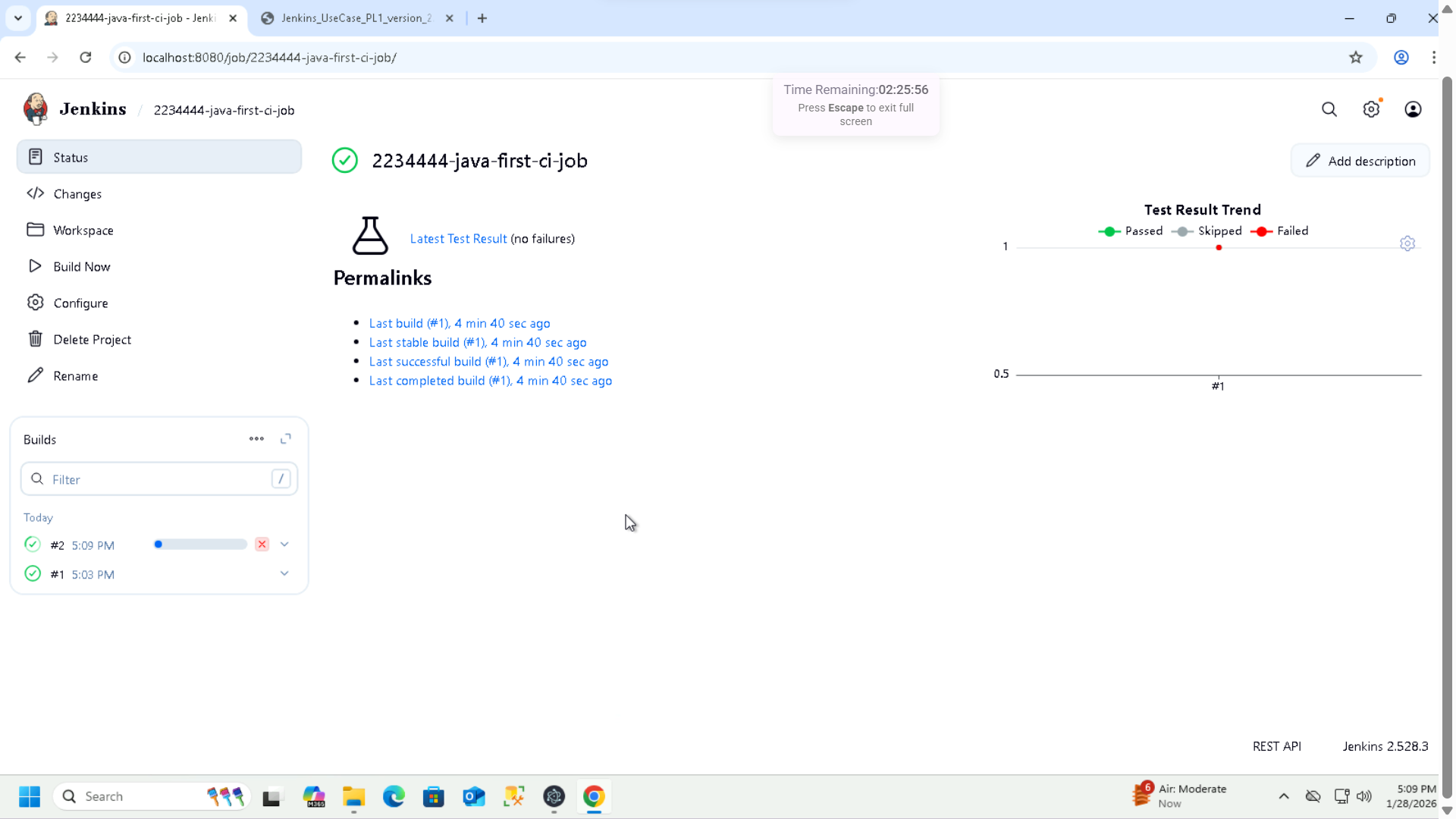


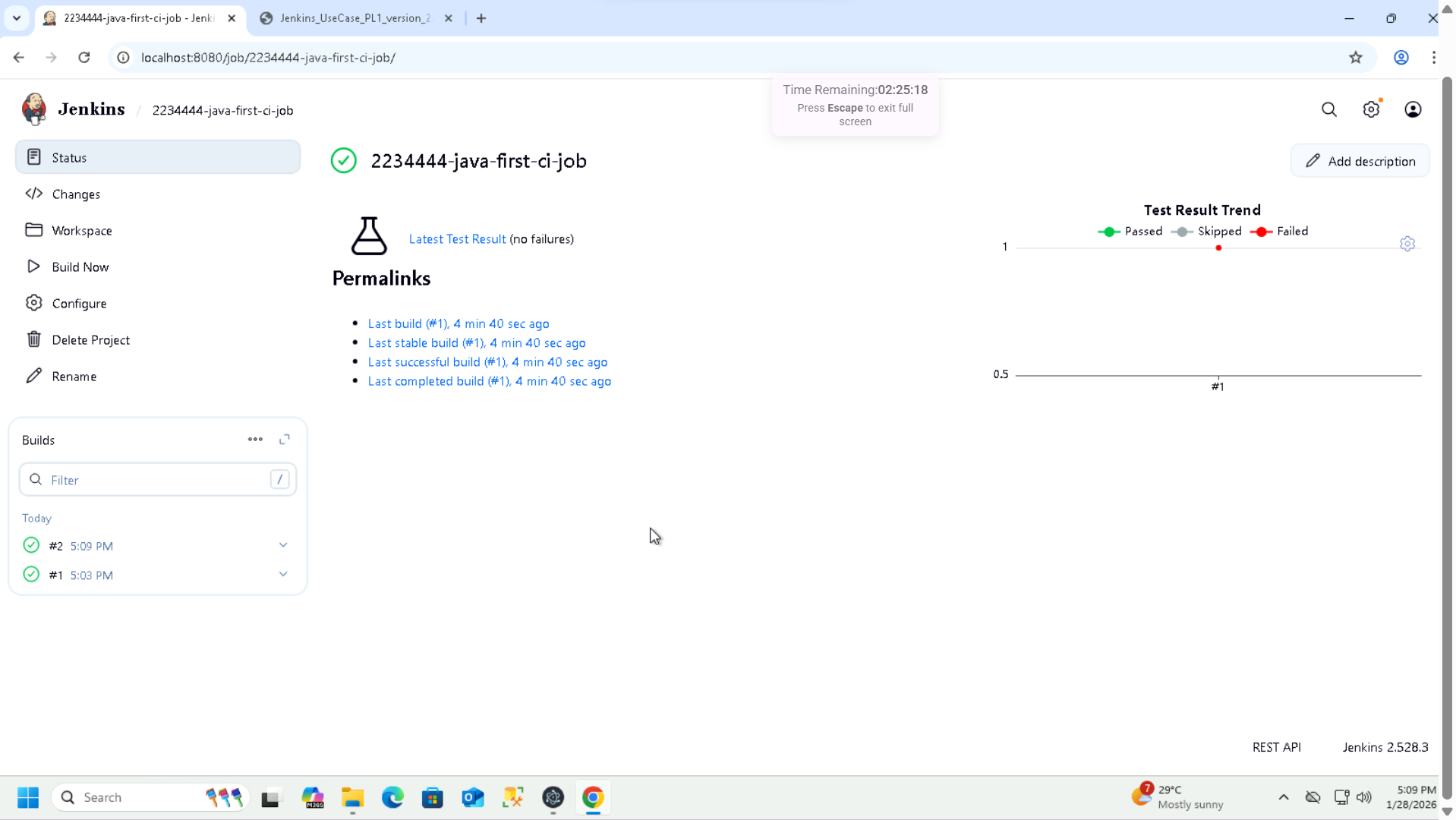
**User Story 3: Execute the CI Pipeline with the schedule Tigger the job to run at 9:00 AM IST on every Monday using cron expression:**

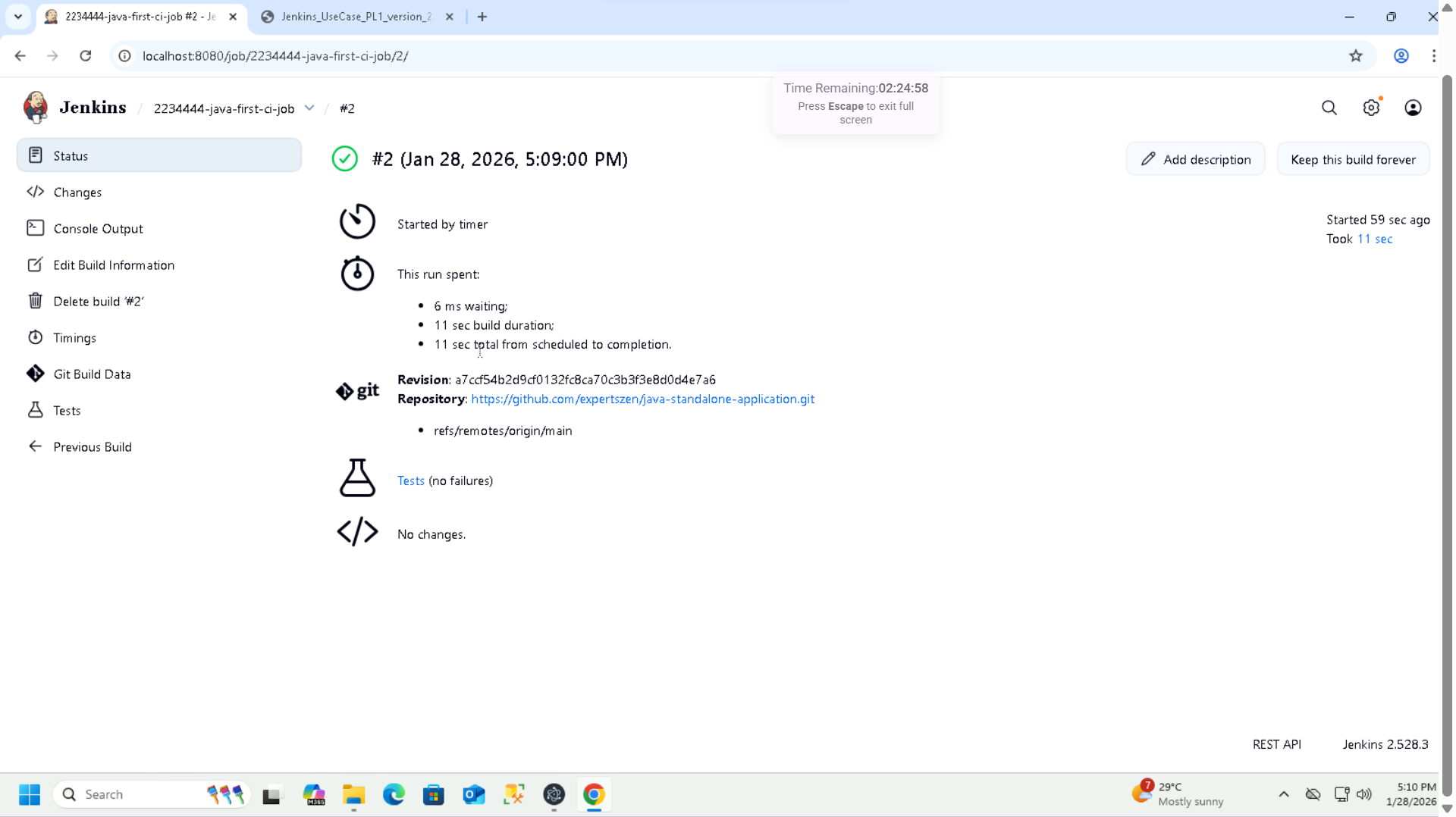
**Build periodically- Schedule: 0 9 \* \* 1**

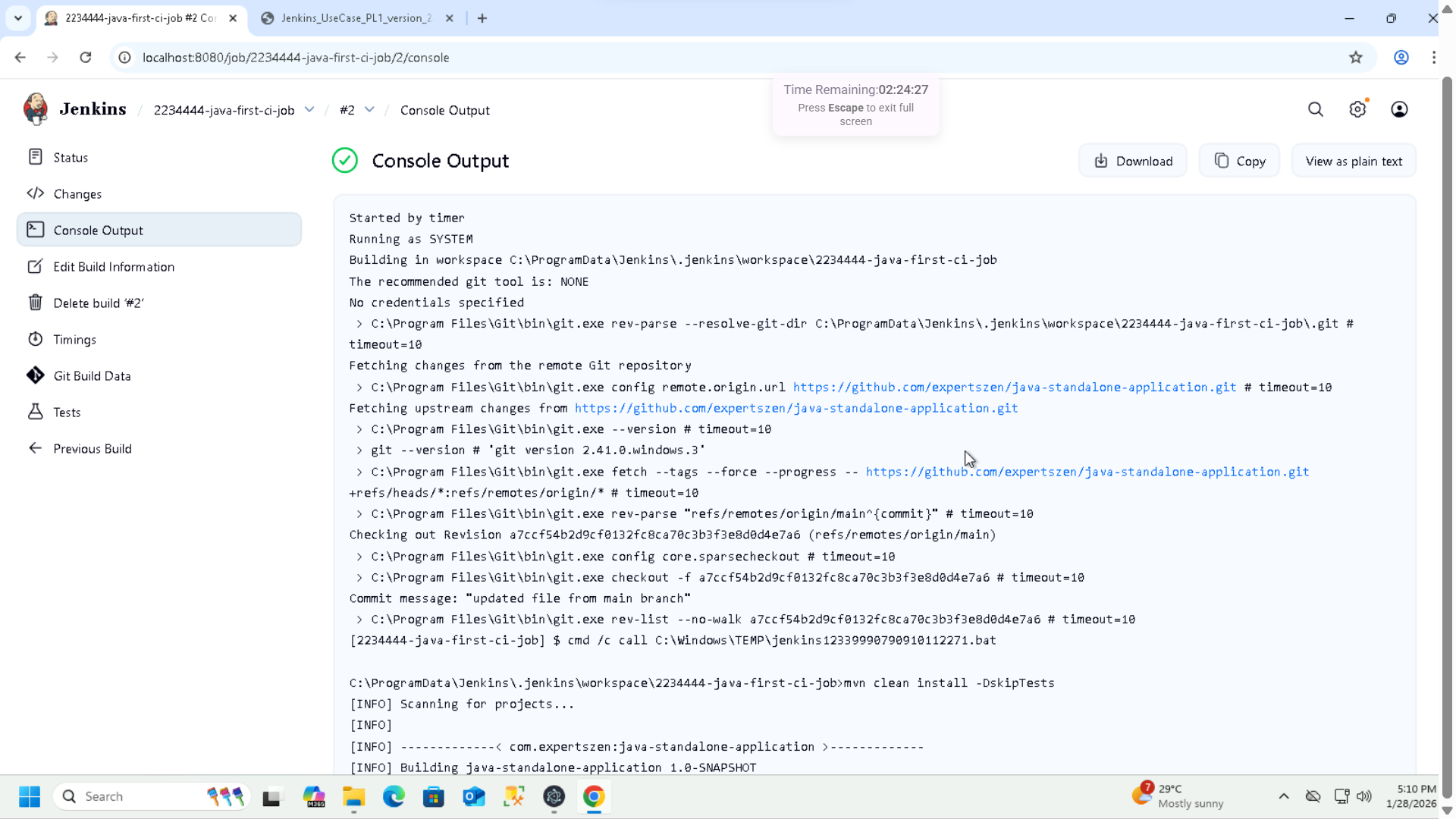


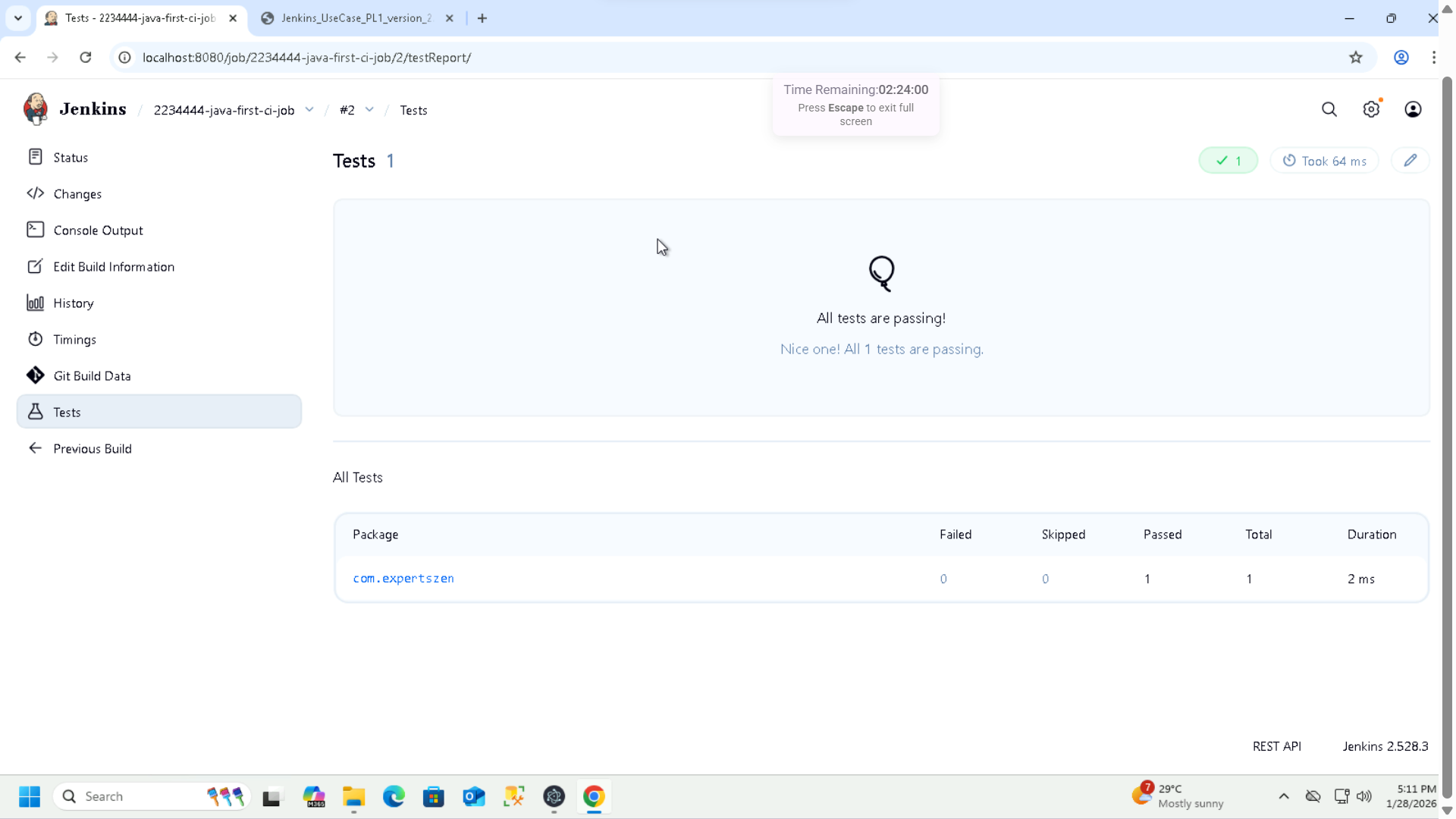
**Note: Changing the schedule to run at 05:09PM every Wednesday to capture the result:**











**User Story 4: Use Plugin for Job Enhancement**

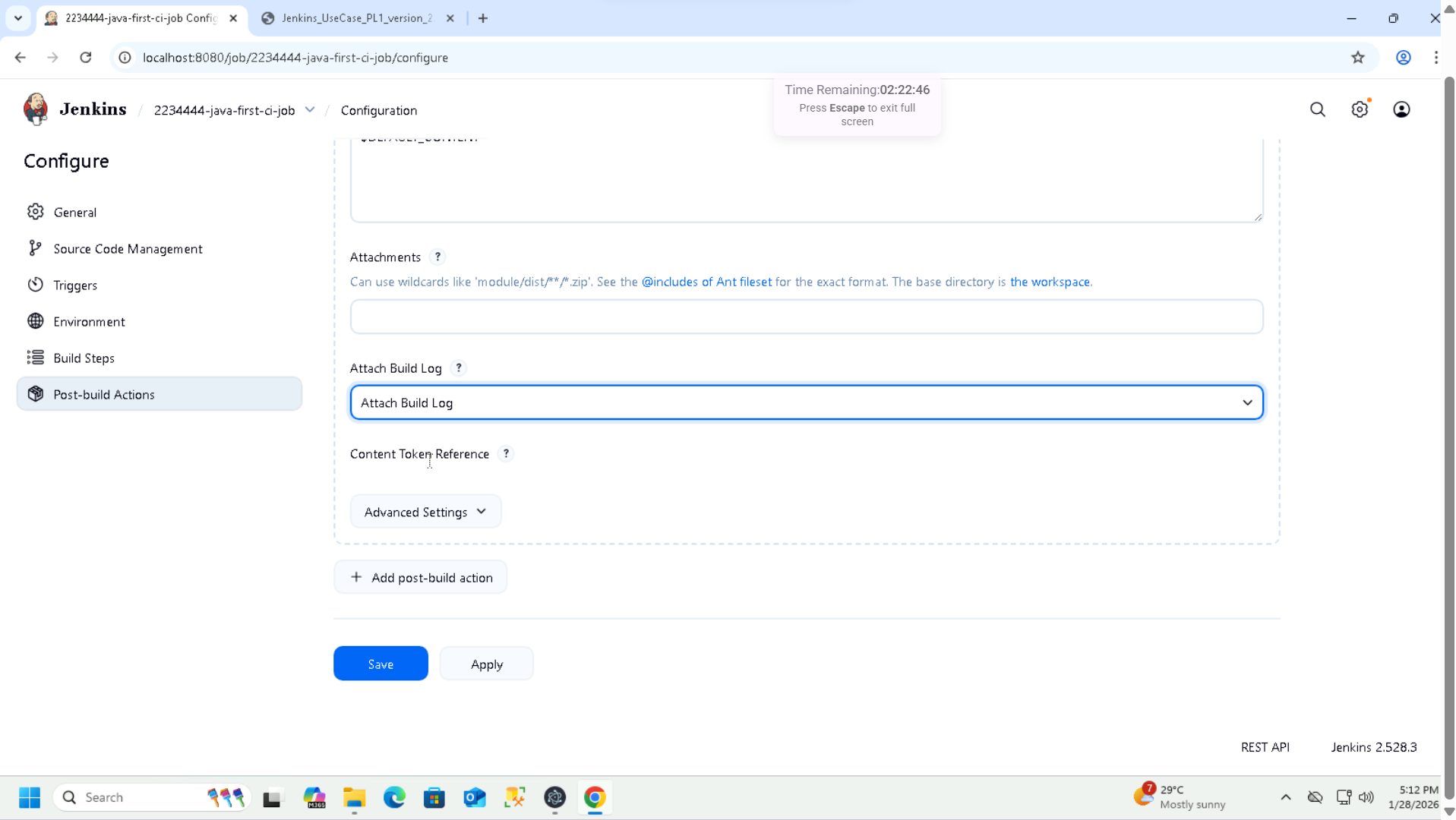
**1: Post-build Actions: Editable Email Notification**

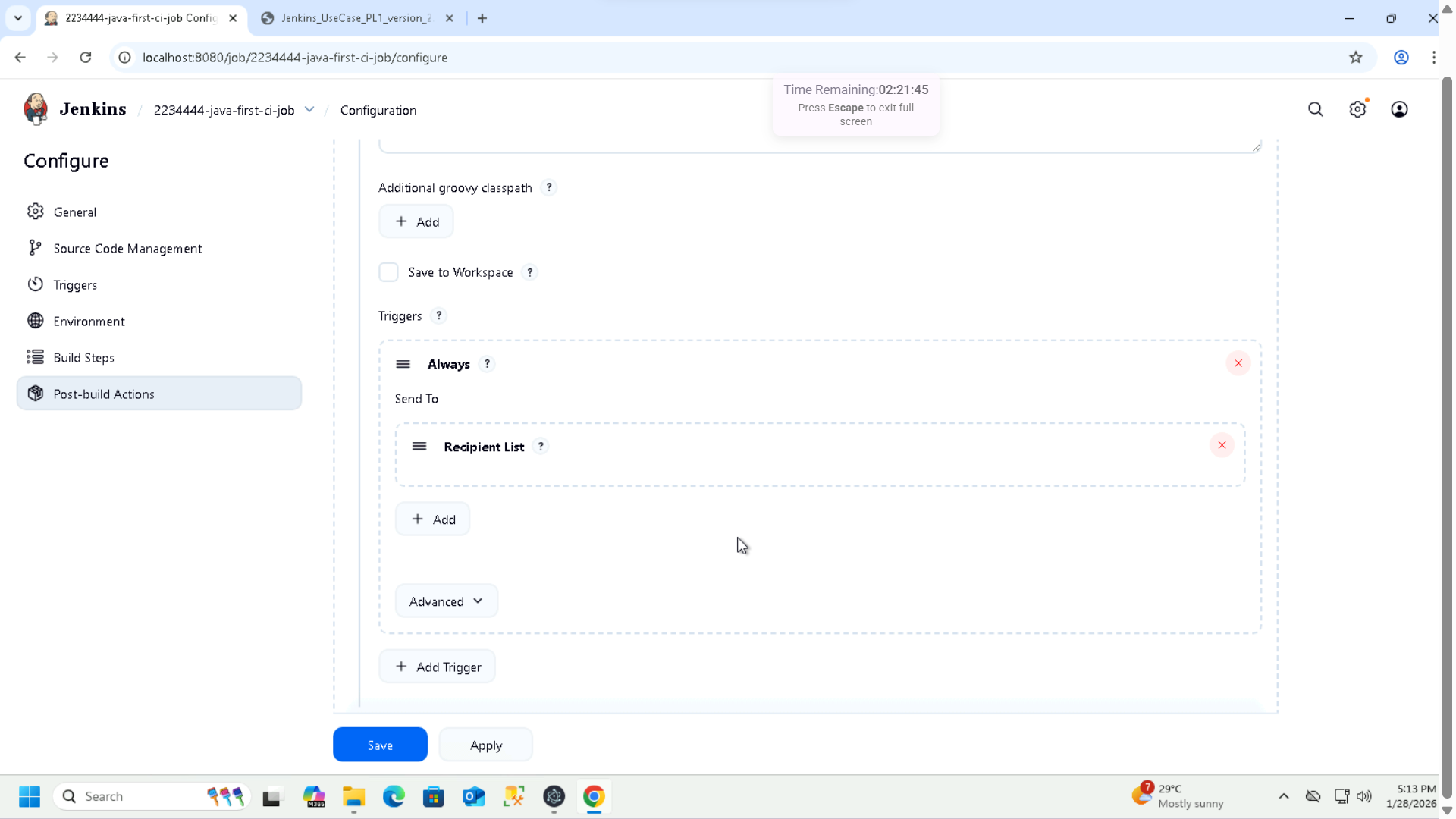
**2: Setup Always tiggers in Post build actions**

**3: SMTP configuration for email**

**4: Email Recipient setup**







**Note: Changing the schedule to run at 05:15 PM every Wednesday to capture the result**

