

Using Actions in Workflows

This GitHub Actions workflow demonstrates how to use actions within our GitHub Actions workflow to test a Java application.

Workflow Details

- **Trigger:** This workflow is triggered manually from the UI.
- **Runner:** It runs on an Ubuntu environment provided by GitHub-hosted runners.

Workflow Steps

1. **Checkout Code:** The workflow checks out the code from the repository using the `actions/checkout` action.
2. **Set up JDK:** This step sets up the Java Development Kit (JDK) using the `actions/setup-java@v2` action. It specifies Java version 11 from AdoptOpenJDK and caches Maven dependencies to speed up subsequent builds.
3. **Build with Maven:** This step executes the `mvn clean install` command to build the Java project using Maven. It cleans the project, resolves dependencies, compiles source code, and packages the application.
4. **Run tests:** This step runs tests using the `mvn test` command. It executes the unit tests defined in the project to ensure the application behaves as expected.