WEBT-VT | ADV | CI/CD mit Github

Definition of Done

A user story is considered **Done** when all of the following criteria are met:

- All acceptance criteria for the user story are fully implemented and verified
- CI/CD pipelines execute successfully without errors
- Documentation is updated to reflect CI/CD configuration changes

User Story 1

As a Software Developer, I want to automate deployment tasks using GitHub Actions, so that I can ensure consistent application deployment to staging environments.

Acceptance Criteria

- A GitHub Actions workflow is set up to deploy the application to a staging environment automatically.
- The deployment workflow executes successfully after the build process passes.
- Deployment logs are generated and accessible for review.

User Story 2

As a Project Manager, I want to have automated notifications from GitHub Actions, so that the team is promptly informed about build statuses.

Acceptance Criteria

- A notification system is configured to send alerts based on the results of GitHub Actions workflows.
- Notifications include relevant information such as build status, errors, and timestamps.
- Alerts are sent to designated communication channels, such as email or Slack.
- The notification system is tested for reliability and accuracy in delivering messages.

User Story 3

As a Software Developer, I want to separate build logic from runtime containers, so that I can ensure clean and lightweight production images.

Acceptance Criteria

- The build logic is isolated in a distinct stage of the Dockerfile that does not include runtime dependencies.
- The final runtime image excludes all build tools and intermediate files.
- The runtime container is verified to contain only the necessary binaries and libraries for application execution.
- The application runs successfully in the runtime container without errors related to missing dependencies.