



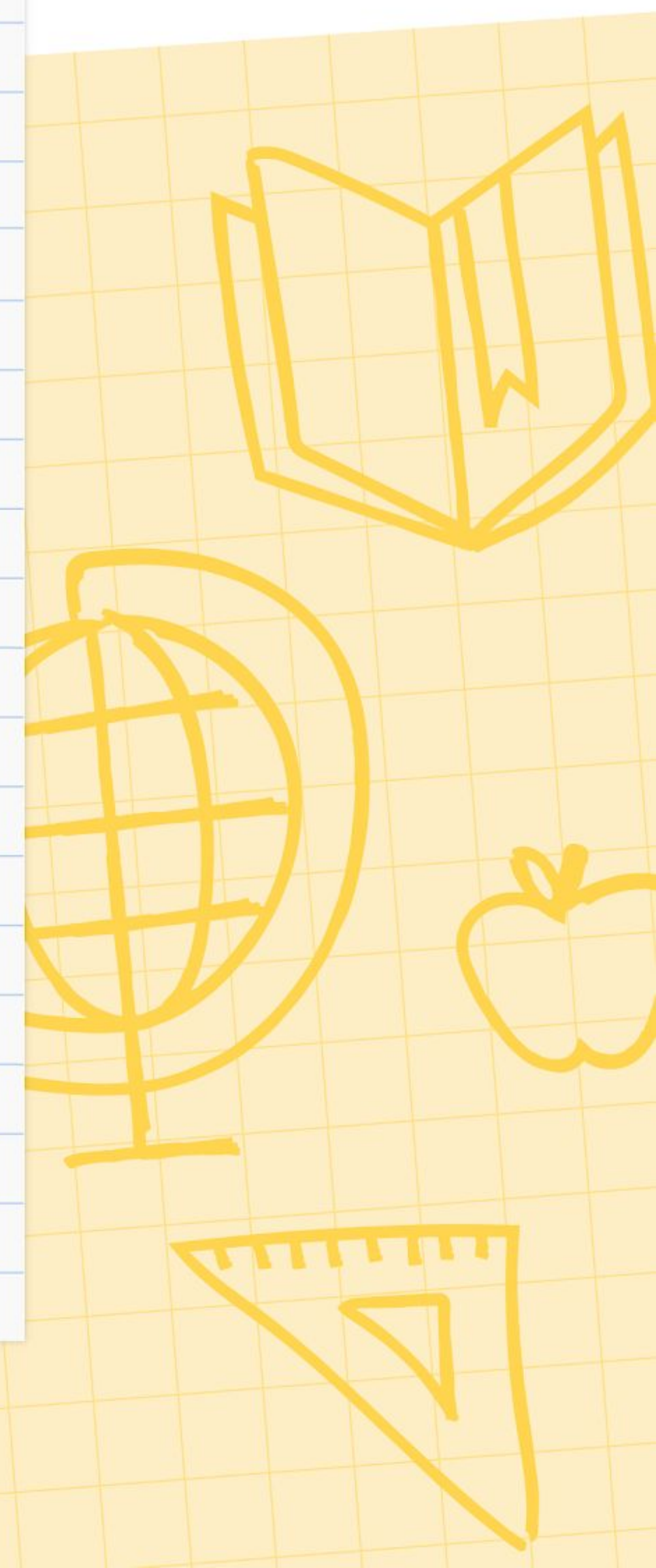
Automatyzacja z Git Hooks

WARSZTAT



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```
const org = interbyOrg ? study.lead_organization === interbyOrg : true  
const status = filterByStatus ? study.status === filterByStatus : true  
const matchStatus = (status === filterByStatus) ? true : false  
  
function filterStudies({ studies, filterByOrg, filterByStatus }) {  
  return studies.filter(study => {  
    return org === filterByOrg && status === filterByStatus && matchStatus  
  })  
}
```



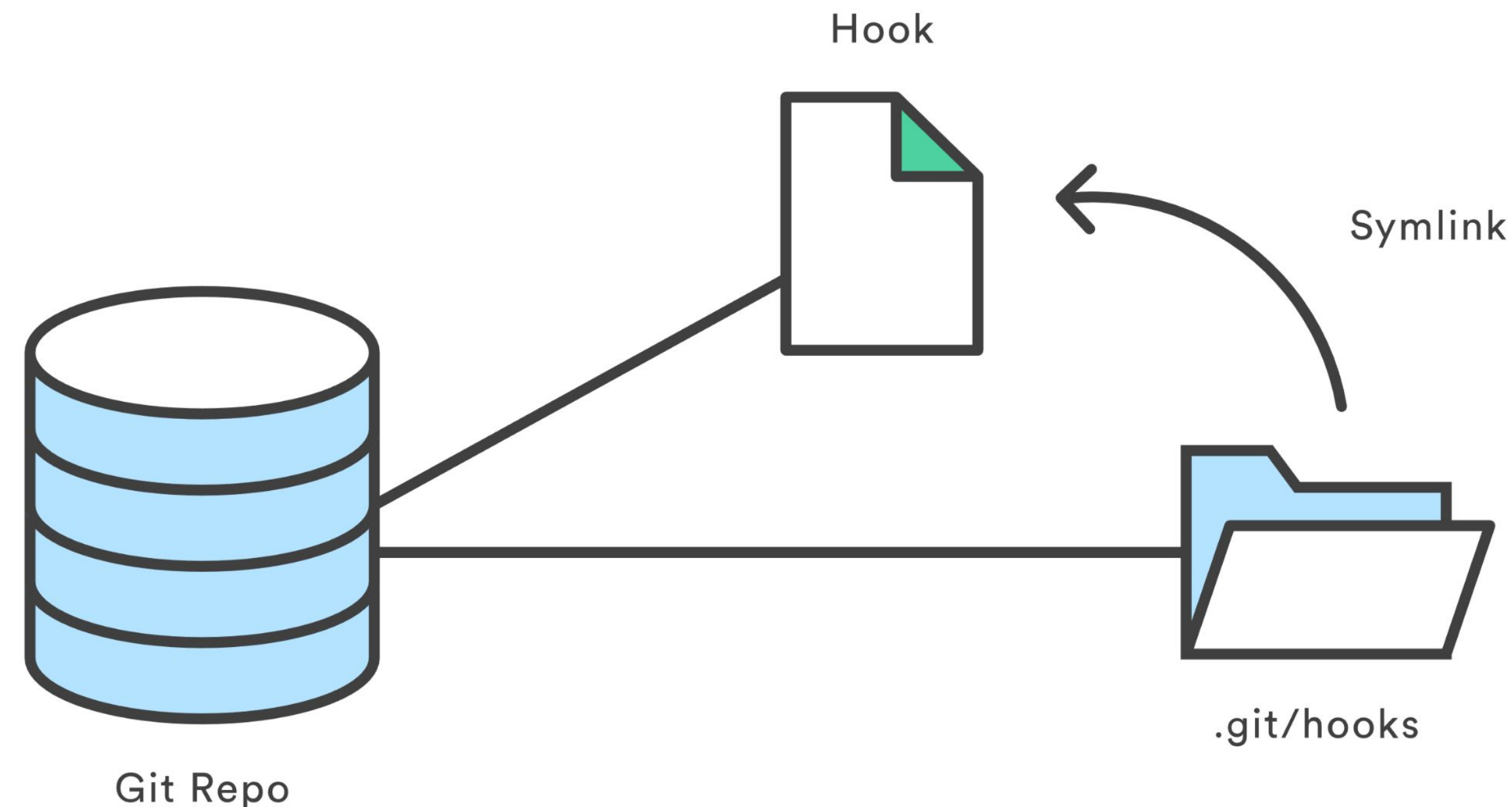
Agenda

- Czym jest Git Hook,
- Do czego można korzystać z Git Hook,
- Praktyczny przykład automatyzacji sprawdzania jakości kodu,
- Praktyczny przykład automatyzacji linkowania issue z Jiira/GitHub

Czym jest Git Hook

pre-commit, prepare-commit-msg, update

Git Hooks to programy, które mogą zostać wywołane w pewnym momencie wykonywania poleceń git



Git Hooks use case

pre-commit, prepare-commit-msg, update

- Sprawdzanie jakości kodu przed zacommitowaniem
- Sprawdzanie, czy aplikacja przechodzi testy przed wypchnięciem zmiany
- Sprawdzanie, czy testy przechodzą, zanim zmiana znajdzie się na repozytorium zdalnym



pre-commit

```
eslint_autofix_flag=""
stylelint_autofix_flag=""
ends_with_ts_or_tsx=".*\.tsx?$"
ends_with_scss=".*\.scss$"
eslint_exit_code=0
stylelint_exit_code=0
not_staged_ts_tsx_files=$(git diff --diff-filter=b --name-only | grep -E "$ends_with_ts_or_tsx")
not_staged_scss_files=$(git diff --diff-filter=b --name-only | grep -E "$ends_with_scss")
staged_ts_tsx_files=$(git diff --cached --diff-filter=d --name-only | grep -E "$ends_with_ts_or_tsx")
staged_scss_files=$(git diff --cached --diff-filter=d --name-only | grep -E "$ends_with_scss")
ts_tsx_filter_regex=$(create_pattern "${not_staged_ts_tsx_files[*]}")
scss_filter_regex=$(create_pattern "${not_staged_scss_files[*]}")
ts_tsx_files_to_add_after_linting=$(filter_array_with_inverted_regex "${staged_ts_tsx_files[*]}")
"${ts_tsx_filter_regex}"
scss_files_to_add_after_linting=$(filter_array_with_inverted_regex "${staged_scss_files[*]}")
"${scss_filter_regex}"

if [ ${#ts_tsx_files_to_add_after_linting} = ${#staged_ts_tsx_files} ]
then
eslint_autofix_flag="--fix"
fi
if [ ${#scss_files_to_add_after_linting} = ${#staged_scss_files} ]
then
stylelint_autofix_flag="--fix"
fi
if [[ -n "$staged_ts_tsx_files" ]]
then
    echo "Running ESLint..."
    ./node_modules/.bin/eslint $staged_ts_tsx_files --quiet $eslint_autofix_flag
    eslint_exit_code=$?
fi
if [[ -n "$staged_scss_files" ]]
then
    echo "Running Stylelint..."
    ./node_modules/.bin/stylelint $staged_scss_files --stdin --quiet $stylelint_autofix_flag
    stylelint_exit_code=$?
fi
if [ $eslint_exit_code = 0 ] && [ $stylelint_exit_code = 0 ]
then
    add_files_to_staged_tree "${ts_tsx_files_to_add_after_linting[*]}
${scss_files_to_add_after_linting[*]}"
    echo -e "${GREEN} Committed successfully  ${NC}"
    exit 0
else
    echo -e "${RED} Couldn't commit changes dues to above errors  ${NC}"
    exit 1
fi
```



Google Developer Student Clubs

prepare-commit-msg

```
COMMIT_MSG_FILE=$1
issue_id=$(git symbolic-ref --short HEAD | grep -o '^[:digit:]*')
cat $COMMIT_MSG_FILE | grep -q GH-$issue_id
if [ $? = 1 ] && [[ -n "${issue_id// /}" ]]; then
    echo >>$COMMIT_MSG_FILE
    echo "Related work item: GH-$issue_id" >>$COMMIT_MSG_FILE
fi
```


Grafiki użyte w prezentacji

Git hook

<https://www.atlassian.com/git/tutorials/git-hooks>

Materiały

Artykuł na temat git hook

<https://dev.to/krzysztof kaczy9/do-you-really-need-husky-247b>

Repozytorium z git-hooks

<https://github.com/kaczor6418/git-hooks-example>

Dokumentacja git-hooks

<https://git-scm.com/docs/githooks>