Лабораторная работа № 4.

Продвинутое использование git

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Информация

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Вводная часть



· Каждому разработчику необходим навык правильной работы с репозиториями git

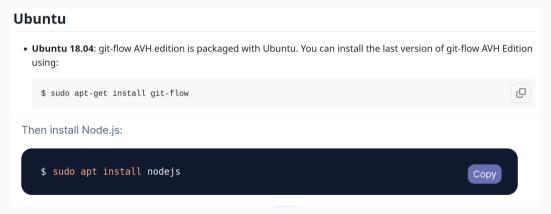
Цели и задачи

- · Цель: получение навыков правильной работы с репозиториями git
- Задачи:
- 1. Выполнить работу для тестового репозитория.
- 2. Преобразовать рабочий репозиторий в репозиторий с git-flow и conventional commits.

Выполнение лабораторной работы

Установка программного обеспечения

· Установка git-flow и Node.js



Общепринятые коммиты

• Установка программ для форматирования коммитов и создания логов

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/Desktop/work/git-extended$ npm add -g commitizen
added 168 packages in 11s
27 packages are looking for funding
   run `npm fund` for details
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/Desktop/work/git-extended$ npm add -g standard-changelog
added 71 packages in 7s
16 packages are looking for funding
   run `npm fund` for details
```

Работа с репозиториями git

• Создание ветки для новой функциональности

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/Desktop/work/git-extended$ git flow feature start feature branch
Switched to a new branch 'featurefeature_branch'
Summary of actions:
- A new branch 'featurefeature_branch' was created, based on 'develop'
- You are now on branch 'featurefeature branch'
Now, start committing on your feature. When done, use:
     git flow feature finish feature branch
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/Desktop/work/git-extended$ git flow feature finish feature branc
Switched to branch 'develop'
Already up to date.
Deleted branch featurefeature branch (was 9646267).
Summary of actions:
- The feature branch 'featurefeature branch' was merged into 'develop'
 Feature branch 'featurefeature branch' has been locally deleted
 You are now on branch 'develop'
```

Обновление версии в файле

· Создание релиза с версией 1.2.3 и обновление номера версии в файле package.json

```
"name": "git-extended",
"version": "1.2.3".
"description": "Git repo for educational purposes",
"main": "index.js".
"repository": "git@github.com:eakarpova/git-extended.git",
"author": "Esenia Karpova <1132236008@pfur.ru>",
"license": "CC-BY-4.0",
"config": {
    "committizen": {
        "path": "cz-conventional-changelog"
```

Залив релизной ветки

• Зальив релизной ветки в основную

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~/Desktop/work/git-extended$ git flow release finish 1.2.3
Branches 'main' and 'origin/main' have diverged.
And local branch 'main' is ahead of 'origin/main'.
Branches 'develop' and 'origin/develop' have diverged.
And local branch 'develop' is ahead of 'origin/develop'.
Already on 'main'
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)
Switched to branch 'develop'
Merge made by the 'ort' strategy.
CHANGELOG.md | 4 ++++
package.ison | 2 +-
2 files changed, 5 insertions(+), 1 deletion(-)
Deleted branch release1.2.3 (was db1f6ad).
Summary of actions:
 Release branch 'release1.2.3' has been merged into 'main'
  The release was tagged '1.2.3'
 Release tag '1.2.3' has been back-merged into 'develop'
 Release branch 'release1.2.3' has been locally deleted
  You are now on branch 'develop'
```

Результаты



 \cdot В ходе лабораторной работы я получила навык правильной работы с репозиториями git