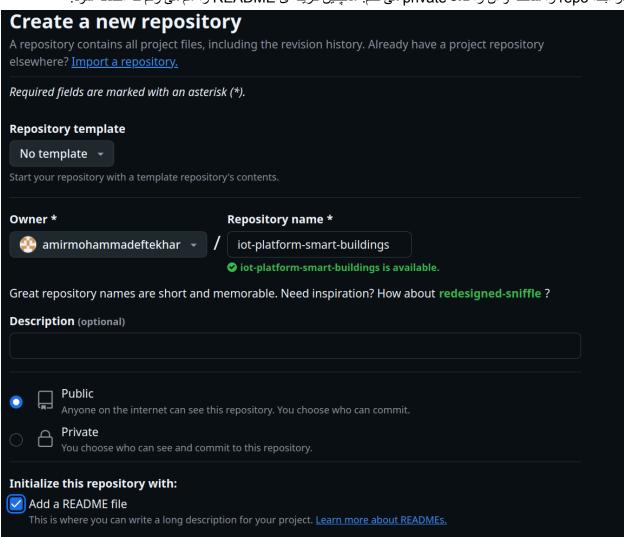
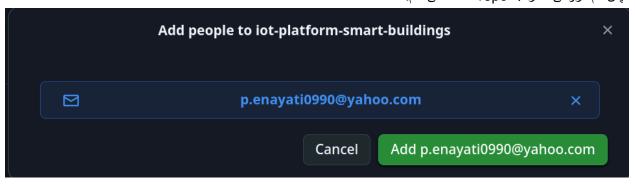
مراحل طی شده در آزمایش:

فاز ۱۰

1. در ابتدا repo را ساخته و آن را فعلا private می کنم. همچنین گزینه ی README را هم می زنم که اضافه شود:



2. سپس هم گروهي ها را به repo اضافه مي كنم:



3. سپس شرایط گفته شده برای branch مستر را اعمال می کنم. برای merge کردن هم ا approval در نظر می گیرم.

Branch protection rules Classic branch protections have not been configured Define branch rules to disable force pushing, prevent branches from being deleted, or require pull requests before merging. Learn more about repository rules and protected branches. Add branch ruleset Add classic branch protection rule Require a pull request before merging Require all commits be made to a non-target branch and submitted via a pull request before they can be merged. Hide additional settings ^ **Required approvals** The number of approving reviews that are required before a pull request can be merged. Dismiss stale pull request approvals when new commits are pushed New, reviewable commits pushed will dismiss previous pull request review approvals. Require review from Code Owners Require an approving review in pull requests that modify files that have a designated code owner. Require approval of the most recent reviewable push Whether the most recent reviewable push must be approved by someone other than the person who pushed it. Require conversation resolution before merging All conversations on code must be resolved before a pull request can be merged. Allowed merge methods (Preview) Merge, Squash, Rebase 🔻 When merging pull requests, you can allow any combination of merge commits, squashing, or rebasing. At least one option must be enabled. Require status checks to pass

where the checks pass.

4. حال README را آبدیت می کنم و بروزرسانی می کنم. برای نوشتن آن از هوش مصنوعی استفاده کردم.

5. سپس branch های گفته شده را در سیستم خود ساخته و به github پوش می کنم:

```
) git checkout -b feature/iot-sensors
Switched to a new branch 'feature/iot-sensors'
   ~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors
 git push origin feature/iot-sensors
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/iot-sensors' on GitHub by visiting:
remote:
            https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings/pull/new/feature/iot-sensors
remote:
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
* [new branch]
                    feature/iot-sensors -> feature/iot-sensors
  ~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors
 ) git checkout main
error: pathspec 'main' did not match any file(s) known to git
   git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
 ) git checkout -b feature/web-dashboard
Switched to a new branch 'feature/web-dashboard'
 ) git push origin feature/web-dashboard
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/web-dashboard' on GitHub by visiting:
            https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings/pull/new/feature/web-dashboard
emote:
remote:
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
* [new branch]
                    feature/web-dashboard -> feature/web-dashboard
     uni/az-narm/1/iot-platform-smart-buildings feature/web-dashboard
 >
```

6. سپس README را بروزرسانی می کنم:

```
~/uni/az-narm/1/iot-platform-smart-buildings feature/web-dashboard
  ) git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
  ~/uni/az-narm/1/iot-platform-smart-buildings master
 -) vim README.md
 - ~/uni/az-narm/1/iot-platform-smart-buildings master !1
 -) git add README.md
 - ~/uni/az-narm/1/iot-platform-smart-buildings master +1
 -) git commit -m "Update README: Add description about branches"
[master 8729c08] Update README: Add description about branches
1 file changed, 2 insertions(+)
 - ~/uni/az-narm/1/iot-platform-smart-buildings master *1
 —> git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 393 bytes | 393.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
  2af2e2c..8729c08 master -> master
  ~/uni/az-narm/1/iot-platform-smart-buildings master
  >∏
```

سپس دوباره README را آپدیت می کنم و مطابق milestone های گفته شده توضیحاتی راجع به ورژن می دهم.
 برای نوشتن متن هم از هوش مصنوعی کمک گرفتم

```
~/uni/az-narm/1/iot-platform-smart-buildings master
  ) vim README.md
  ~/uni/az-narm/1/iot-platform-smart-buildings master !1
  ) git add README.md
 - ~/uni/az-narm/1/iot-platform-smart-buildings master +1
 -) git tag -a v1.0.0 -m "Initial module development"
 - ~/uni/az-narm/1/iot-platform-smart-buildings master +1
 -) git commit -m "docs: Update README"
[master d5c57f2] docs: Update README
1 file changed, 9 insertions(+)
 - ~/uni/az-narm/1/iot-platform-smart-buildings master *1
 -) git push origin --tags
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 183 bytes | 183.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
                    v1.0.0 -> v1.0.0
* [new tag]
 — ~/uni/az-narm/1/iot-platform-smart-buildings master *1
 −> git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 516 bytes | 516.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
  8729c08..d5c57f2 master -> master
 ~/uni/az-narm/1/iot-platform-smart-buildings master
  эH
```

1. ابتدا به برنج مربوطه سوبيچ ميكنيم:

```
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-building s (master)
$ git checkout feature/iot-sensors
Switched to a new branch 'feature/iot-sensors'
branch 'feature/iot-sensors' set up to track 'origin/feature/iot-sensors'.

PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-building s (feature/iot-sensors)
```

2. ایجاد اسکرییت شبیهسازی سنسور (مثال: sensor simulation.py):

```
#!/usr/bin/env python3
import random
import time

def read_sensor():
    # شبیه سازی دریافت داده از سنسور return round(random.uniform(20.0, 30.0), 2)

if __name__ == '__main__':
    for _ in range(10):
        print("سنسور خوانش", read_sensor())
        time.sleep(1)
```

3. ثبت تغییرات:

```
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-building
$ git add sensor_simulation.py
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-building
(feature/iot-sensors)
$ git commit -m "Added script of simulating sensor data for module"
[feature/iot-sensors 069c5fa] Added script of simulating sensor data for module
1 file changed, 12 insertions(+)
 create mode 100644 sensor_simulation.py
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-building
s (feature/iot-sensors)
$ git push origin feature/iot-sensors
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 24 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 551 bytes | 551.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
   2af2e2c..069c5fa feature/iot-sensors -> feature/iot-sensors
```

4. برای بخش ماژول web-dashboard به برنج مورد نظر سوپیچ میکنیم:

```
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/iot-sensors)
$ git checkout feature/web-dashboard
Switched to a new branch 'feature/web-dashboard'
branch 'feature/web-dashboard' set up to track 'origin/feature/web-dashboard'.

PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashboard)
$ |
```

5. ايجاد فايل HTML نمونه (مثال: index.html):

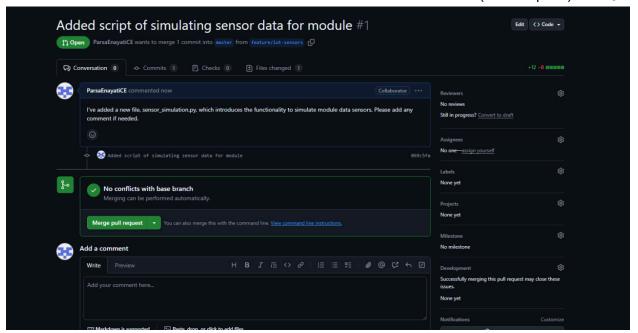
6. ثبت تغییرات(add,commit,push):

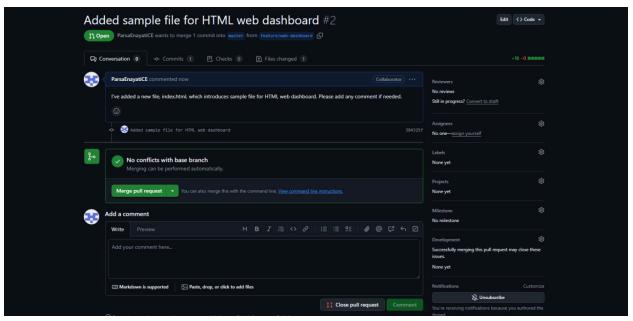
```
:MOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
ard)
 git add index.html
CMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
ard)
 git commit -m "Added sample file for HTML web dashboard"
feature/web-dashboard 384325f] Added sample file for HTML web dashboard
1 file changed, 16 insertions(+)
create mode 100644 index.html
CMOD@DESKTOP-RFLF05F MI<mark>NGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb</mark>
ard)
 git push origin feature/web-dashboard
numerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 24 threads
Compressing objects: 100% (3/3), done.

(riting objects: 100% (3/3), 592 bytes | 592.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
o https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
  2af2e2c..384325f feature/web-dashboard -> feature/web-dashboard
```

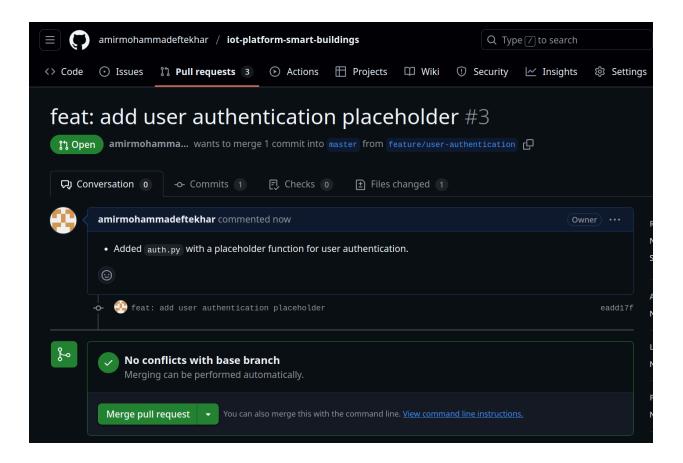
7. مديريت Pull Reguest)PR):





ال بقیه اعضا هم اقدام به commit جدید می کنند ولی به دلیل وجود pull request موقع push کردن مشکل می خوریم که از rebase استفاده می کنیم.

```
~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors ?1
  ) git add sensor_api.py
  ~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors +1
  -) git commit -m "feat: add sensor API placeholder"
 feature/iot-sensors 0a5724f] feat: add sensor API placeholder
 1 file changed, 1 insertion(+)
 create mode 100644 sensor_api.py
  git push origin feature/iot-sensors
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
                       feature/iot-sensors -> feature/iot-sensors (non-fast-forward)
 int: its remote counterpart. If you want to integrate the remote changes, int: use 'git pull' before pushing again.
  - ~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors
    git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.
    git pull <remote> <branch>
If you wish to set tracking information for this branch you can do so with:
    git branch --set-upstream-to=origin/<branch> feature/iot-sensors
  ) git pull origin feature/iot-sensors
From github.com:amirmohammadeftekhar/iot-platform-smart-buildings
 * branch
                      feature/iot-sensors -> FETCH_HEAD
 nint: You have divergent branches and need to specify how to reconcile them.
nint: You can do so by running one of the following commands sometime before
        git config pull.ff only
 nint: You can replace "git config" with "git config --global" to set a default
nint: preference for all repositories. You can also pass --rebase, --no-rebase,
nint: or --ff-only on the command line to override the configured default per
fatal: Need to specify how to reconcile divergent branches.
  ~/uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors
  ) git config pull.rebase true
    /uni/az-narm/1/iot-platform-smart-buildings feature/iot-sensors
 git pull origin feature/iot-sensors
 rom github.com:amirmohammadeftekhar/iot-platform-smart-buildings
 * branch
                       feature/iot-sensors -> FETCH_HEAD
Successfully rebased and updated refs/heads/feature/iot-sensors.
```



9. حال برای اضافه کردن alias به مسیر دیرکتوری یوزر خود رفته و فایل .gitConfig را ادیت میکنیم:

```
[alias]
    pr-fetch = "!f() { git fetch origin pull/$1/head:pr-$1; }; f"

PCMOD&DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashboard)
$ git fetch origin pull/2/head:pr-branch
From https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
```

refs/pull/2/head -> pr-branch

10. مستندسازی در فایل GitCommands . md:

```
# GitCommands.md

## Alias برای دریافت Pull Request الله برای دریافت یک

به صورت محلی از دستور زیر استفاده کنید Pull Request برای دریافت یک

git pr-fetch <ID>

با شناسیه PR 23 به عنوان مثال، برای دریافت git pr-fetch 23
```

```
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashboard)
$ git add GitCommands.md

PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashboard)
$ git commit -m "Added GitCommands.md"
[feature/web-dashboard a146761] Added GitCommands.md
1 file changed, 9 insertions(+)
create mode 100644 GitCommands.md

PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashboard)
$ git push origin feature/web-dashboard
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 24 threads
Compressing objects: 100% (3/3), 516 bytes | 516.00 KiB/s, done.
Writing objects: 100% (3/3), 516 bytes | 516.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
384325f..a146761 feature/web-dashboard -> feature/web-dashboard
```

11. افزودن فايل بيكربندى ESLint به شاخه web-dashboard:

ایجاد فایل .eslintrc.json:

```
{
   "env": {
     "browser": true,
     "es6": true
},
   "extends": "eslint:recommended",
   "rules": {
     "no-console": "off"
}
}
```

مستندسازی راهنمای بازبینی کد در فایل CodeReviewGuidelines .md:

راهنمای بازبینی کد # ییامهای کامیت باید توصیفی و مرتبط با تغییرات باشند -به شاخه اصلی ارسال شوند Pull Request تغییرات کد باید از طریق -قبل از ادغام، تستها باید با موفقیت اجرا شوند -مطرح شود PR نظرات سازنده و پیشنهادات بهبود باید در -

ثبت تغييرات:

```
CMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
oard)
$ git add .eslintrc.json CodeReviewGuidelines.md
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
oard)
" و راهنمای بازدینی کد ESLint افزودن فایلهای پیکربندی" sgit commit -m "
[feature/web-dashboard 09aa90f] افزودن فایلهای پیکربندی ESLint افزودن فایلهای پیکربندی 2 files changed, 16 insertions(+)
 create mode 100644 .eslintrc.json
 create mode 100644 CodeReviewGuidelines.md
PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
oard)
$ git push origin feature/web-dashboard
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 24 threads
Compression using up to 24 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 816 bytes | 816.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
    a146761..09aa90f feature/web-dashboard -> feature/web-dashboard
 PCMOD@DESKTOP-RFLF05F MINGW64 ~/OneDrive/Desktop/IOT/iot-platform-smart-buildings (feature/web-dashb
```

فاز سوم:

1. در مرحله ی اول یا فولدر مخصوص github می سازم و یک فایل کانفیگ ci/cd به آن اضافه می کنم. برای نوشتن این فایل از GPT کمک گرفتم. در این کانفیگ کد ما توسط استاندارد pep8 چک می شود.

```
/uni/az-narm/1/iot-platform-smart-buildings master
   mkdir -p .github/workflows
  ~/uni/az-narm/1/iot-platform-smart-buildings master
 vim .github/workflows/ci-cd.yml
  ~/uni/az-narm/1/iot-platform-smart-buildings master ?1
 git add .github/workflows/ci-cd.yml
  ~/uni/az-narm/1/iot-platform-smart-buildings master +1
 -) git commit -m "ci: add CI/CD pipeline with static analysis, tests, and deployment"
[master la328d4] ci: add CI/CD pipeline with static analysis, tests, and deployment
1 file changed, 37 insertions(+)
create mode 100644 .github/workflows/ci-cd.yml
  ~/uni/az-narm/1/iot-platform-smart-buildings master *1
 git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 783 bytes | 783.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:amirmohammadeftekhar/iot-platform-smart-buildings.git
  c0d8c49..1a328d4 master -> master
  ~/uni/az-narm/1/iot-platform-smart-buildings master
 >
```

2. سپس برای خودکار سازی ادغام یک job جدید به yaml file قبلی اضافه می کنم:

```
jobs:
 static-analysis:
    runs-on: ubuntu-latest
   steps:
     - name: Checkout code
        uses: actions/checkout@v4
     - name: Run Flake8 (Static Analysis)
       run:
          pip install flake8
          flake8 . --count --show-source --statistics
  auto-merge:
  needs: [unit-tests]
  runs-on: ubuntu-latest
  steps:
   - name: Auto-merge PR
     uses: actions/github-script@v6
     with:
        script: |
          await github.rest.pulls.merge({
            owner: context.repo.owner,
            repo: context.repo.repo,
            pull_number: context.payload.pull_request.number,
            merge_method: 'squash'
          })
      env:
        GITHUB_TOKEN: ${{ secrets.GITHUB_TOKEN }}
 unit-tests:
```

3. برای بخش سوم نیز تصمیم گرفتم تا از telegram bot برای اعلانات استفاده کنم. در اولین قدم yaml رو بروزرسانی می کنم

```
notify-telegram:

needs: [static-analysis, unit-tests, deploy-staging, auto-merge]

if: failure() # المن كل المن كا المن كا المن كل المن كا ا
```

4. در مرحله ی بعد credential هارو بروزرسانی می کنم

Actions secrets / New secret
Name *
YOUR_SECRET_NAME
Secret *
TELEGRAM_BOT_TOKEN: 7892442987:AAHfgrd4wkB51-1-9qe4urtGFskhNPGk9eE TELEGRAM_CHAT_ID: 7892442987
Add secret

فاز چهارم:

1. ايجاد فايل ReleaseProcess.md:

```
1. **قگ گذاری نسخه**

1. بس از اتمام توسعه و تستهای نهایی، از دستور زیر استفاده کنید

git tag -a v1.0.0 -m "1.0.0"

git push origin v1.0.0

**:بادباشتهای مربوط به تغییرات (ویژگیهای جدید، رفع باگیها و بهبودها) نوشته میشود -

**:استوراد** . .

یس از تأیید نهایی، نسخه به محیط تولید منتشر میشود -

**:استوراد** . .
```

2. ثبت تغییرات:

```
CMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)
$ git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)
$ git add ReleaseProcess.md
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)
sgit commit -m "افزودن مستندات فرآیند انتشار [master 2546e1e]
افزودن مستندات فرآیند انتشار [file changed, 12 insertions(+)
create mode 100644 ReleaseProcess.md
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)
$ git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/amirmohammadeftekhar/iot-
platform-smart-buildings'
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 24 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 708 bytes | 708.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
   8b16b42..2546e1e master -> master
```

3. ايجاد فايل DisasterRecoveryPlan.md.

```
برنامه بازیابی از فاجعه #

1. **:بازگشت به نسخه قبلی**

1. زیرای بازگشت به یک نسخه پایدار استفاده کنید Git در صورت بروز مشکل، از تگهای و git checkout حتگ نسخه قبلی از کشت**

2. **:اجرای اسکربیتهای بازگشت**

3. اسکربیتهای مخصوص بازگشت به نسخههای قبلی در صورت شکست انتشار وجود دارد الله علی در صورت شکست انتشار وجود دارد **:مانیتورینگ و گزارش خطا** 3. **:مانیتورینگ و گزارش خطا** 3. تمامی خطاها به تیم فنی گزارش داده می شبود و لاگها جهت عیبیایی ثبت می گردند الله می شبود و لاگها جهت عیبیایی ثبت می گردند
```

4. ثبت تغییرات:

```
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)

$ git add DisasterRecoveryPlan.md

PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)

$ git commit -m "افزودن مستندات برنامه بازى ادى از فاجعه "

[master 1dfb7b7] افزودن مستندات برنامه بازى ادى از فاجعه المنابع المنا
```

5. ایجاد شاخه تست برای شبیهسازی خطای عمدی:

```
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (master)

$ git checkout -b simulation/error-test
Switched to a new branch 'simulation/error-test'
```

6. ایجاد تغییر عمدی (مثلاً افزودن خطای نحوی یا اشتباه در کد):

print("This is an error")

7. ثبت تغییرات در شاخه تست:

```
CMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (simulation/error-test)
 git add sensor_simulation.py
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (simulation/error-test)
"اضافه کردن خطای عمدی برای تست بازیادی از فاجعه" git commit -m
اضافه کردن خطای عمدی برای تست بازیادی از فاجعه [simulation/error-test 5e5ceal
1 file changed, 1 insertion(+)
create mode 100644 sensor_simulation.py
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (simulation/error-test)
git push origin simulation/error-test
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 24 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 385 bytes | 385.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
emote: Resolving deltas: 100% (1/1), completed with 1 local object.
emote:
emote: Create a pull request for 'simulation/error-test' on GitHub by visiting:
              https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings/pull/new/
emote:
imulation/error-test
emote:
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
                       simulation/error-test -> simulation/error-test
  [new branch]
```

8. پس از شبیهسازی و بررسی، بازگشت به نسخه پایدار:

```
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (simulation/error-test)
$ git revert 5e5cea19f7bf8ce3398ed0642d401973128d90c1
[simulation/error-test 2c938d2] Revert "اضافه کردن خطای عمدی برای تست بازیاسی از فاجعه"
1 file changed, 1 deletion(-)
delete mode 100644 sensor_simulation.py
```

```
PCMOD@DESKTOP-RFLF05F MINGW64 /f/iot-platform-smart-buildings (simulation/error-test)

$ git push origin simulation/error-test
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 24 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 325 bytes | 325.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings
5e5ceal..2c938d2 simulation/error-test -> simulation/error-test
```

لينك ربيو: https://github.com/amirmohammadeftekhar/iot-platform-smart-buildings