

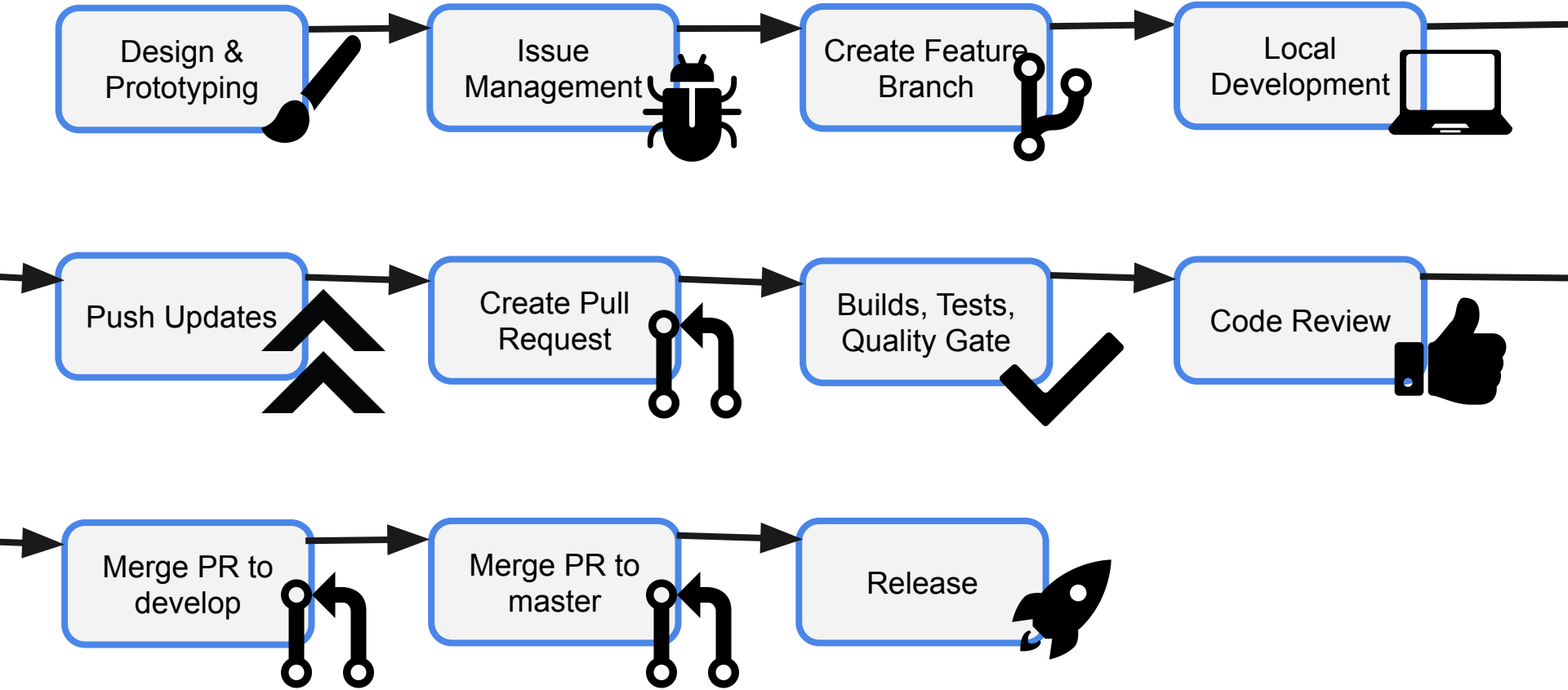


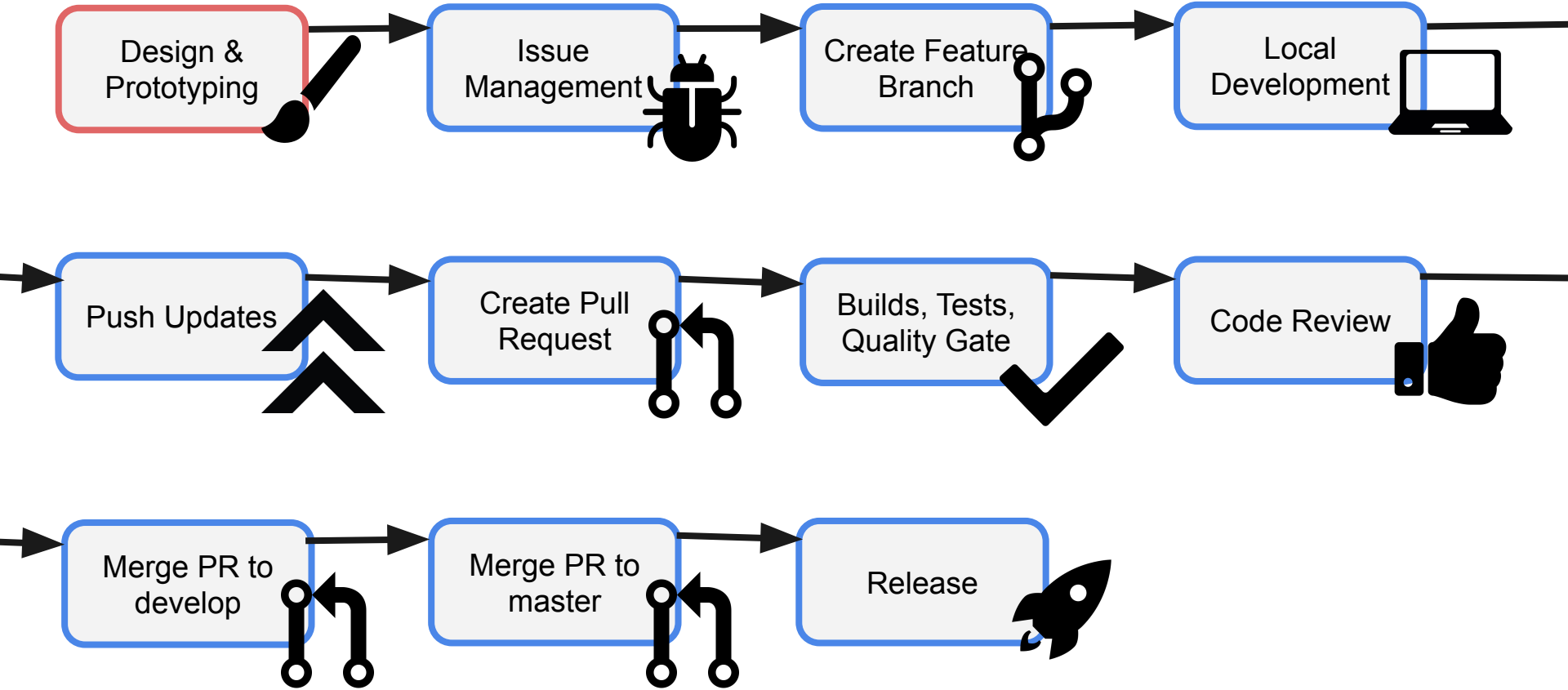
# Elevator Control Center Team A

Simon Angerbauer, Markus Seiberl, Anika Seibezeder

---

# Project & Product Quality





# Design & Prototyping

ECC

AUTO

Elevators

E1, E2, E3

E1 ↓

4

10 km/h

3

6 People

2

Door Open

1

⚠ E2 ↑

4

10 km/h

3

6 People

2

Door Open

1

Floors

F1, F2

Floor 1

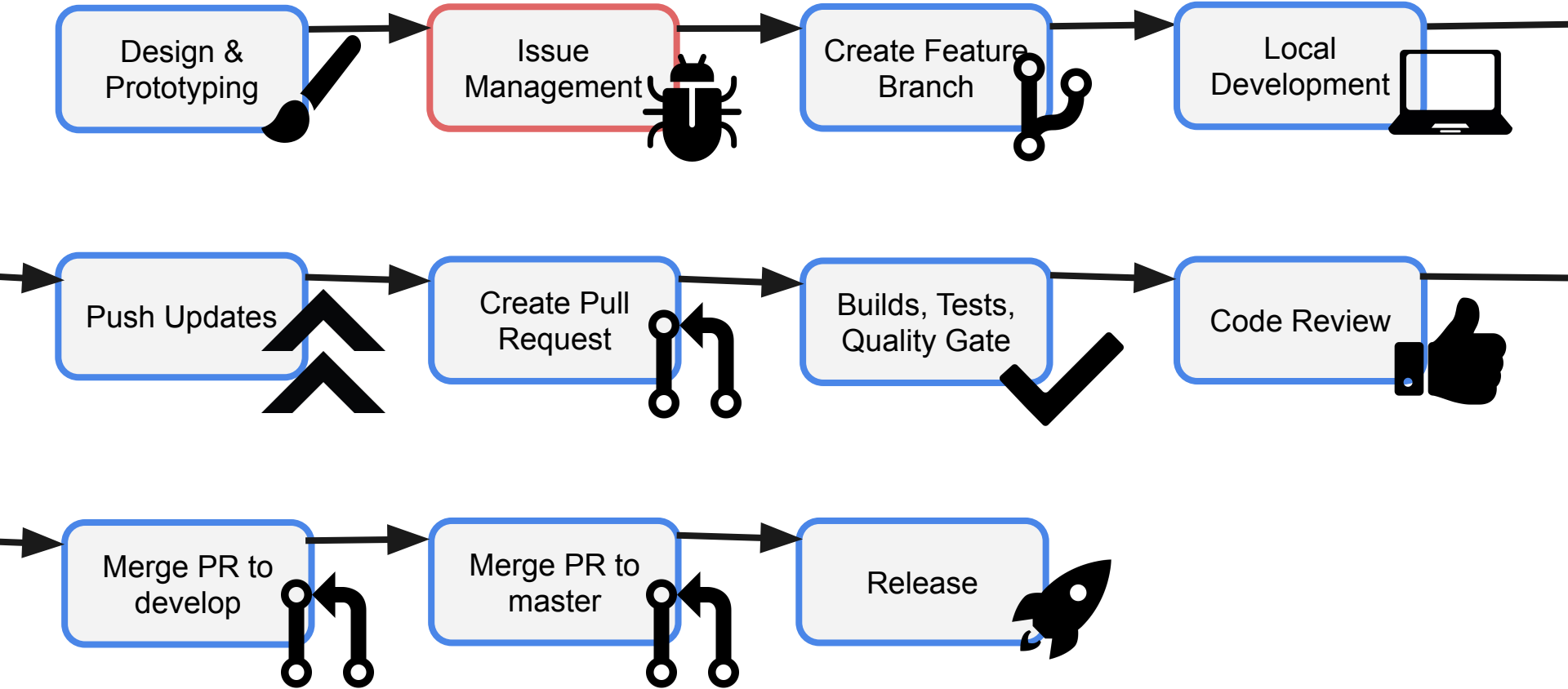
^

✓

Floor 2

^

✓



# Issue Management

- Using Issues on Github

## SonarCloud Quality Gates #19



simonangerbauer opened this issue on 4 Nov 2020 · 0 comments



simonangerbauer commented on 4 Nov 2020

Member



- Create and enable a custom quality gate that fails when
  - Maintainability, Reliability, or Security Ratings are worse than "A" on your overall code.
  - Coverage is less than 60% on overall code.
  - Coverage is less than 80% on new code.
- Disable JaCoCo coverage checks in pom.xml (or move it to a profile to not be executed on the build server)



simonangerbauer added the **project 04** label on 4 Nov 2020



simonangerbauer mentioned this issue on 4 Nov 2020

Release Project 04 #20

Closed



anikaseibezeder self-assigned this on 4 Nov 2020



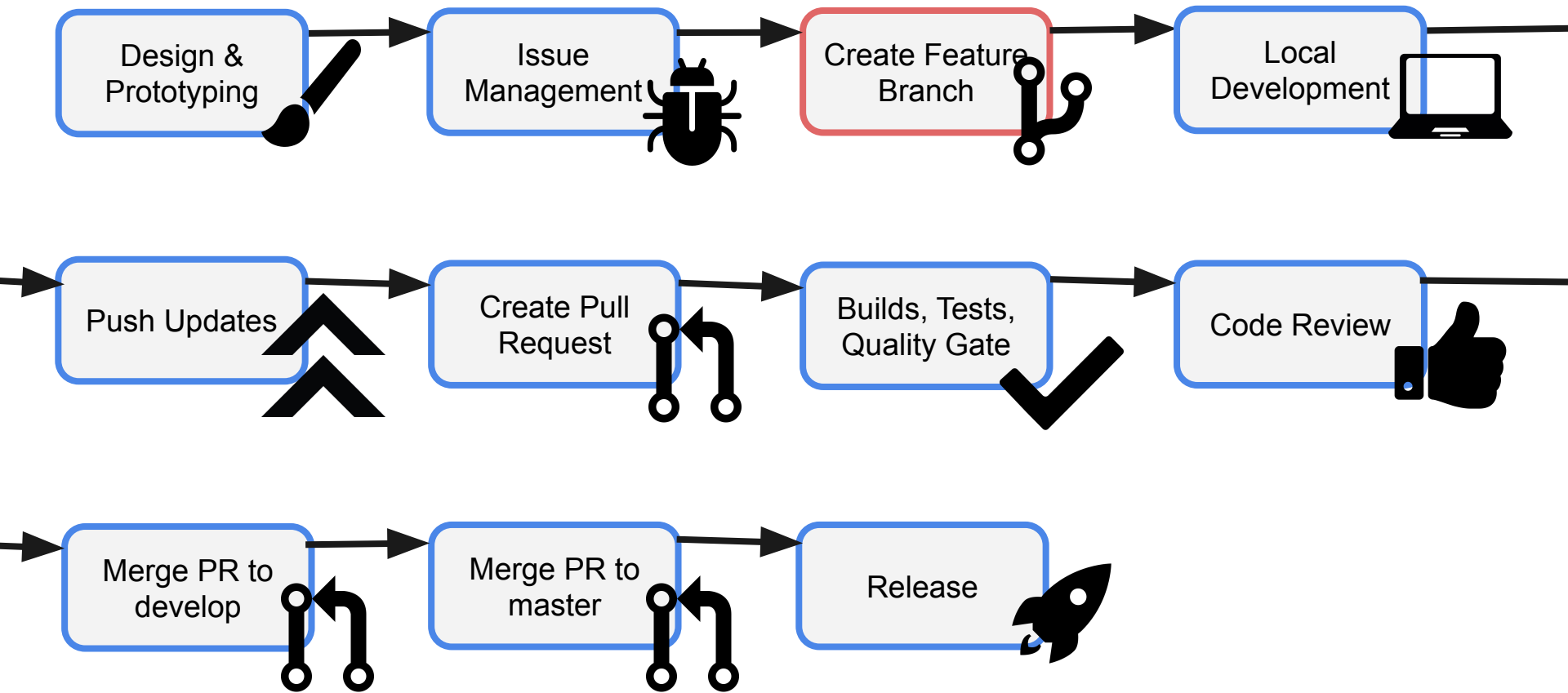
anikaseibezeder linked a pull request that will close this issue on 5 Nov 2020

Project 04 #25

Merged



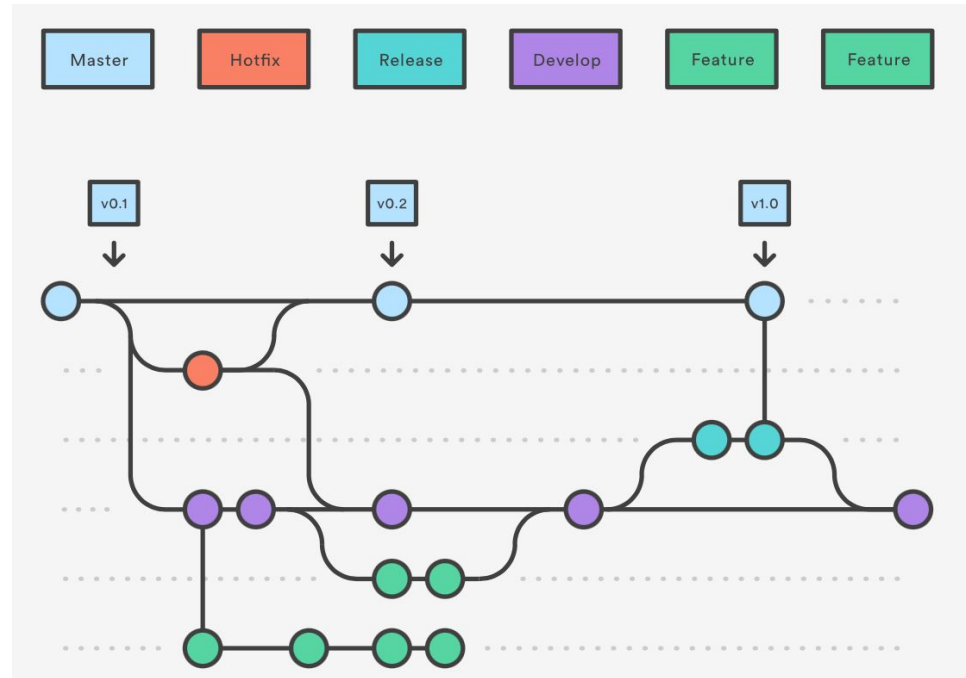
anikaseibezeder closed this in #25 on 5 Nov 2020

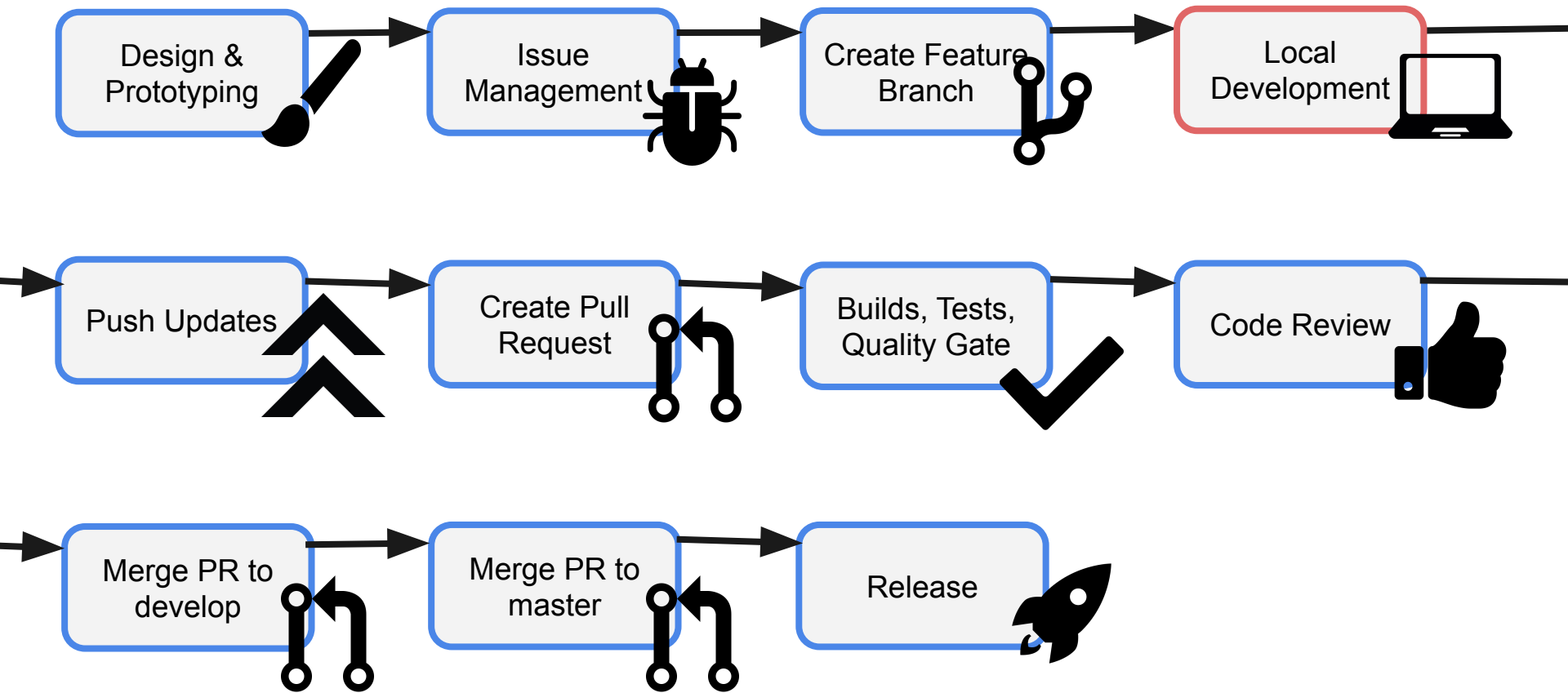


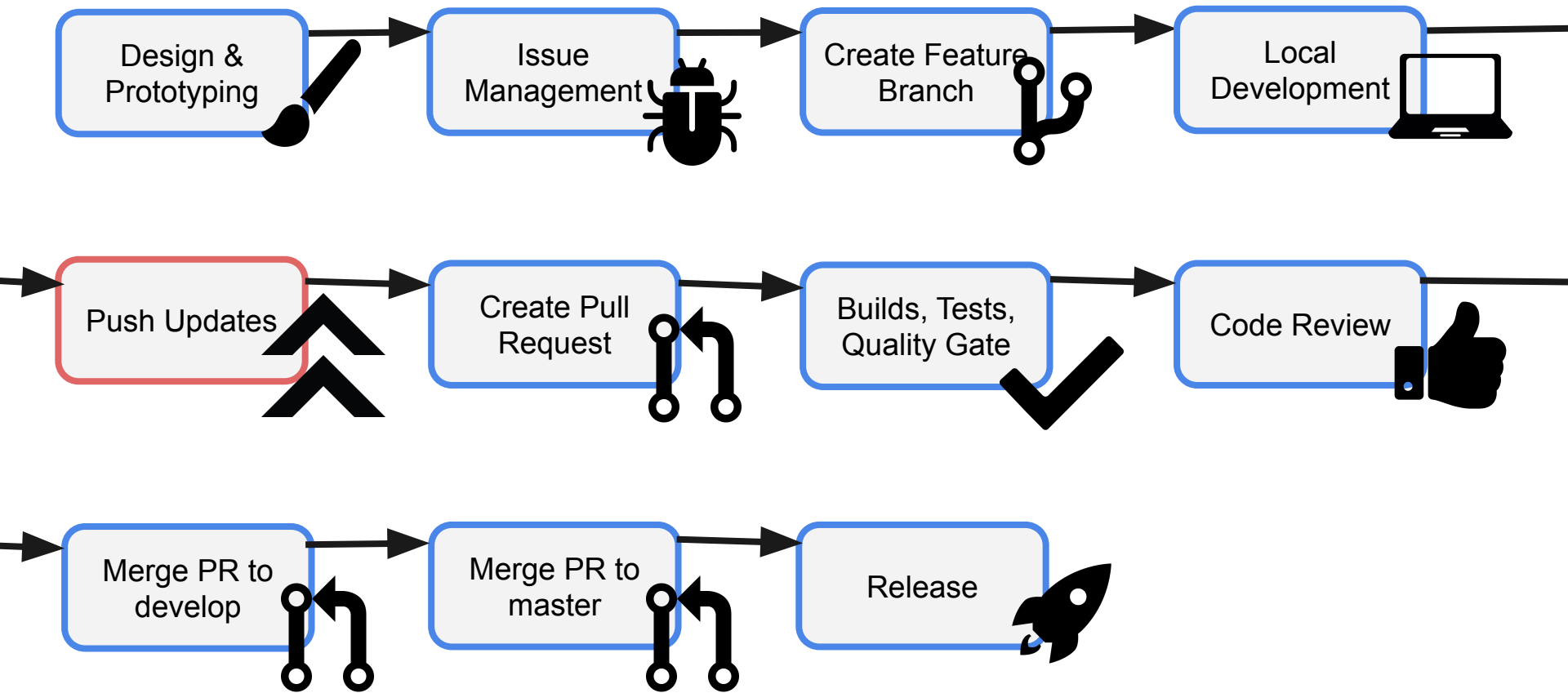


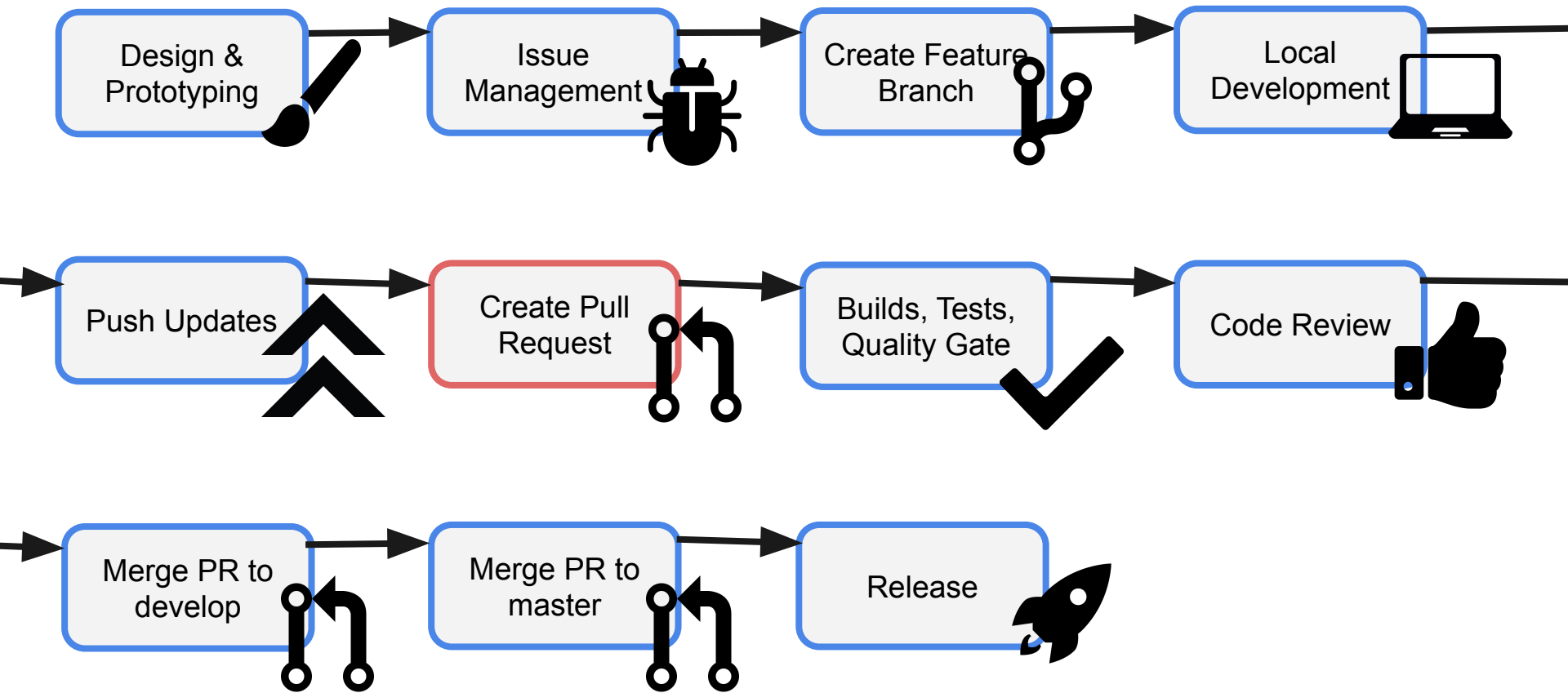
# Branching Model

- Using Git flow branching model











# Pull Requests


- PR on Github
- Using PR Template


## Feature/simulator connection #40


 Merged simonangerbauer merged 18 commits into `develOp` from `feature/simulator_connection` 5 days ago

 Conversation 1

 Commits 18

 Checks 2

 Files changed 27

 MarkusSeiberl commented 10 days ago · edited

Member

### Simulator connection

- Adds a connection to the simulator.
- ECC connects automatically to the simulator.
- Adds the option of debugging
- Floor buttons are not clickable anymore

### Known Limitations

- CommittedDirection is always uncommitted

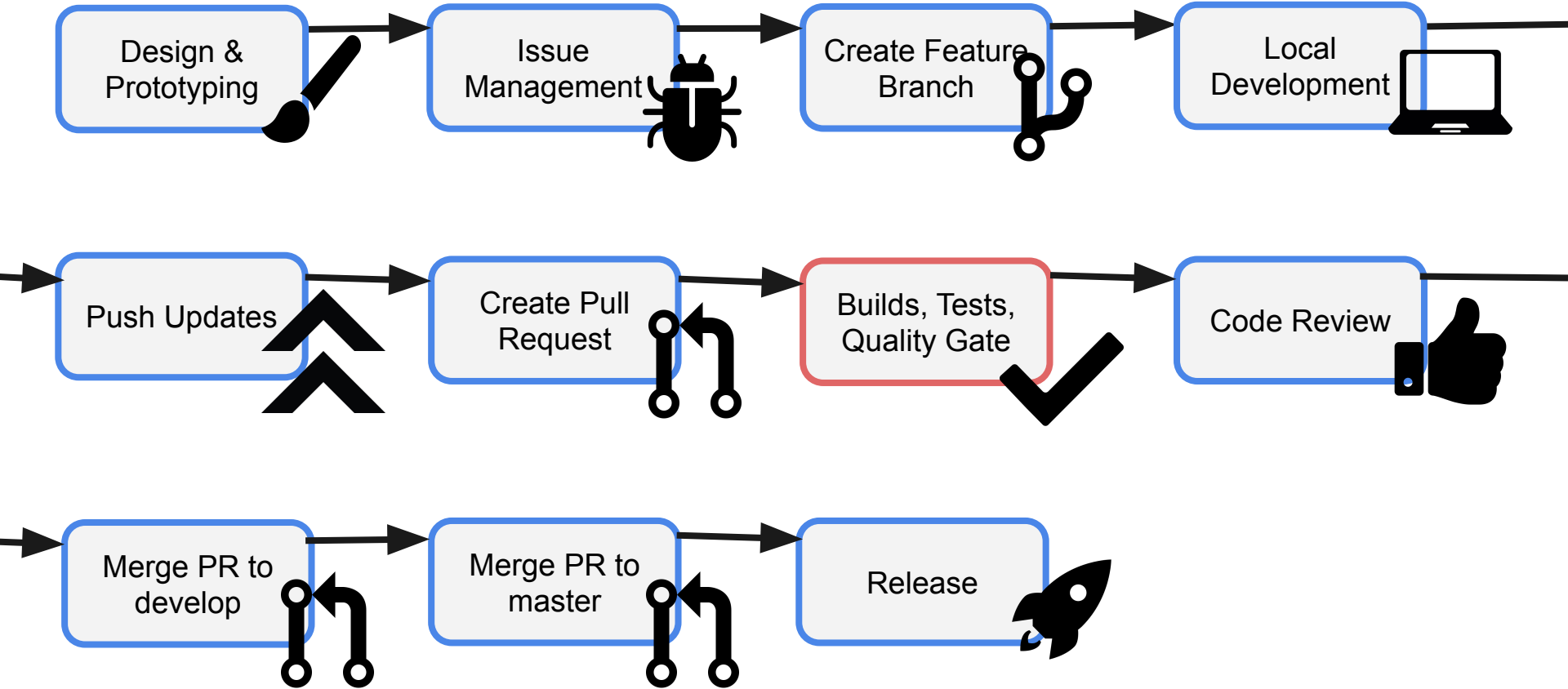
### General Checks

- ☒ I have sanitized the imports.
- ☒ I have formatted the code.
- ☒ I have added a sufficient amount of unit tests.
- ☒ This PR has known limitations.

### General Remarks

The UI won't change the number of elevators or floors at runtime.  
I'm not sure if it should be possible.

-





# Build

- Github Actions workflow

```
name: CI

on:
  push:
    branches:
      - master
      - develop
  pull_request:
    branches:
      - master
      - develop

jobs:
  build:

    runs-on: ubuntu-latest

    steps:
      - uses: actions/checkout@v2
      - name: Set up JDK
        uses: actions/setup-java@v1
        with:
          java-version: 13
      - name: Build and Analyze
        env:
          GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }
          SONAR_TOKEN: ${ secrets.SONAR_TOKEN }
        run: xvfb-run --server-args="-screen 0, 640x660x8" mvn -B verify org.sonarsource.scanner.maven:sonar-maven-plugin:sonar --file pom.xml javadoc:javadoc
```



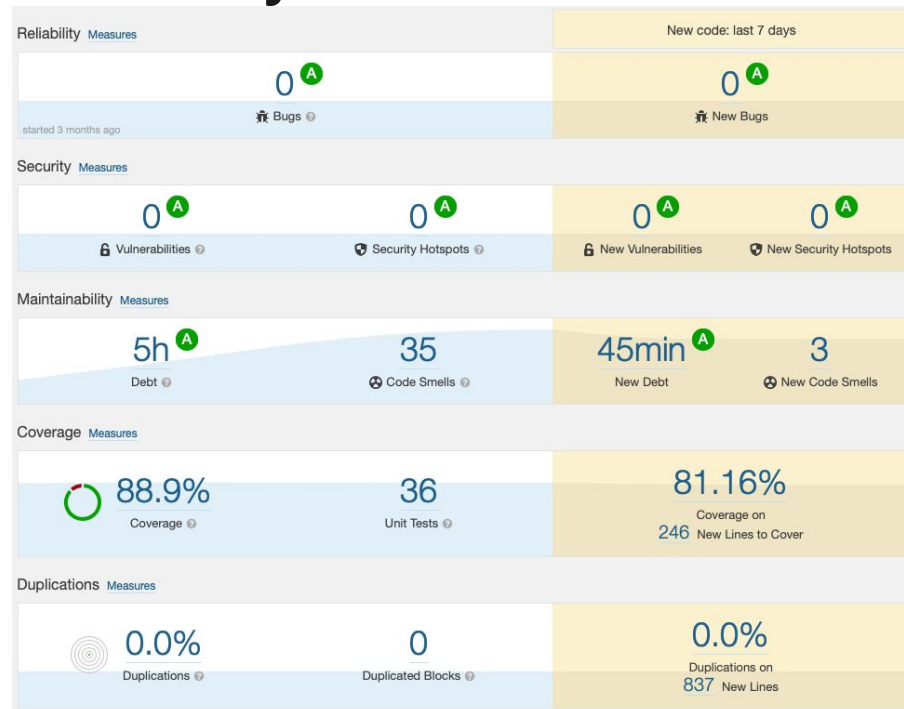
# Testing Levels

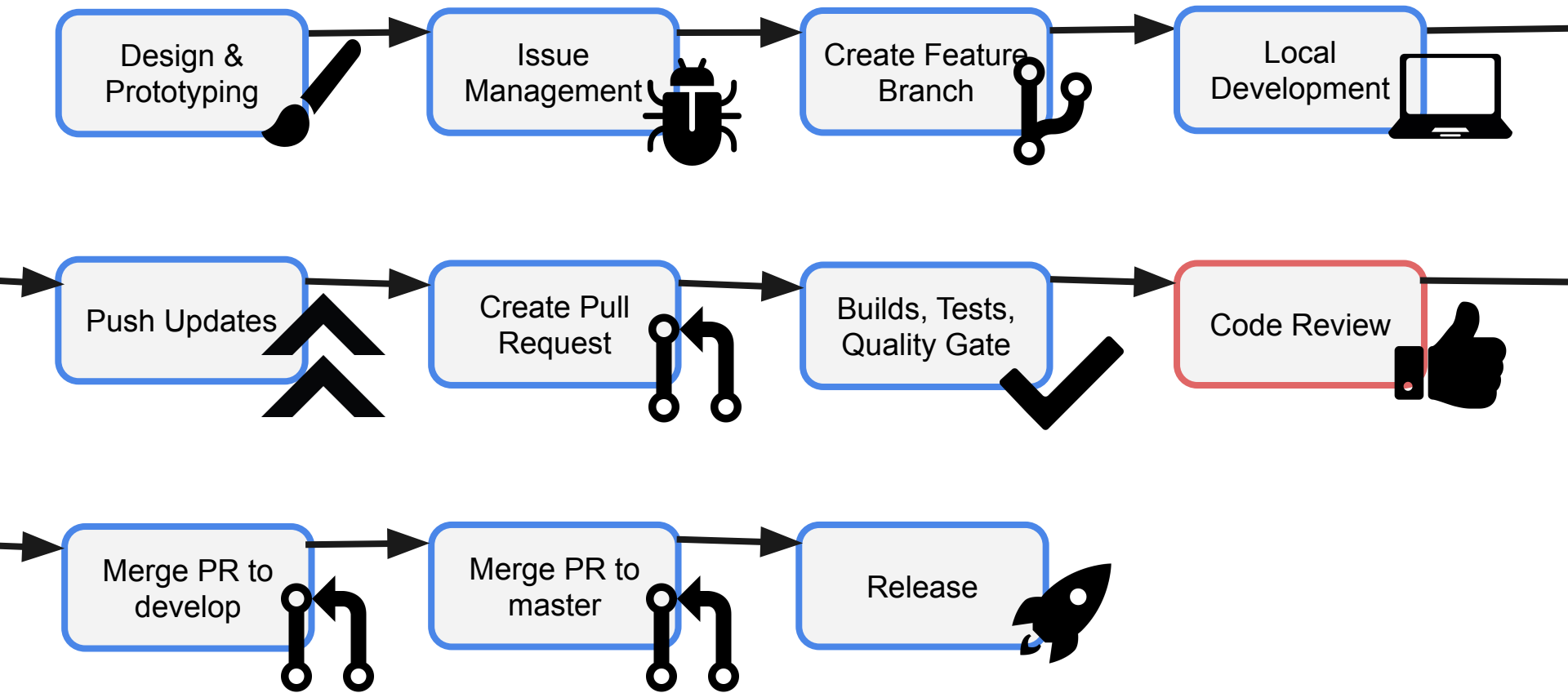
- Unit tests
  - Model
  - ViewModels
  - Factories
  - Other Services
- Integration tests
  - IElevator interface to ElevatorControlCenter
  - IElevator interface <-> UI
- System tests
  - Monthly in class



# SonarCloud Quality Gate (Static Analysis)

- New code = last 7 days
- Overall code coverage > 60%
- New code coverage > 80%





# Code Review

- Request both other team members
- Min. 1 approval



**simonangerbauer** approved these changes 3 days ago

[View changes](#)



**anikaseibezeder** merged commit **bfb2604** into `develop` 3 days ago  
2 checks passed

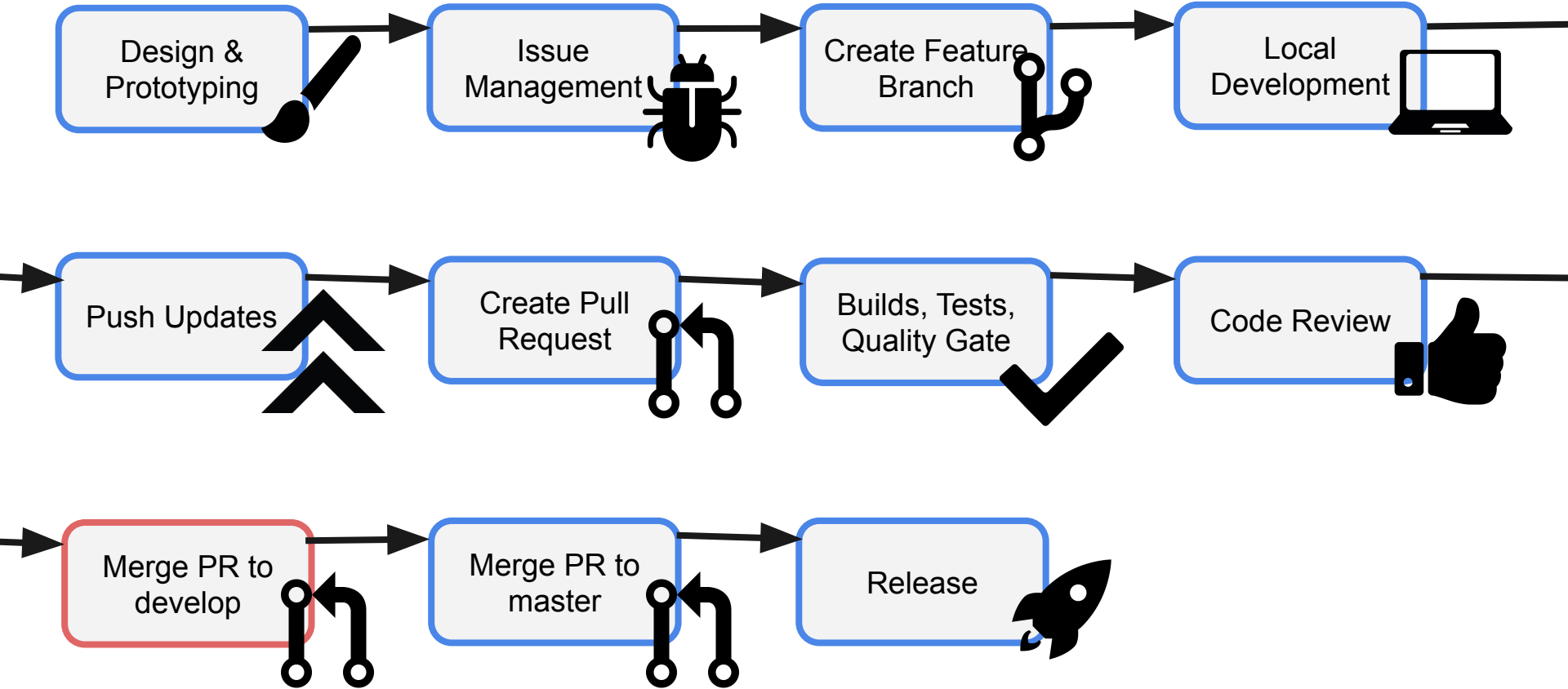
[View details](#)

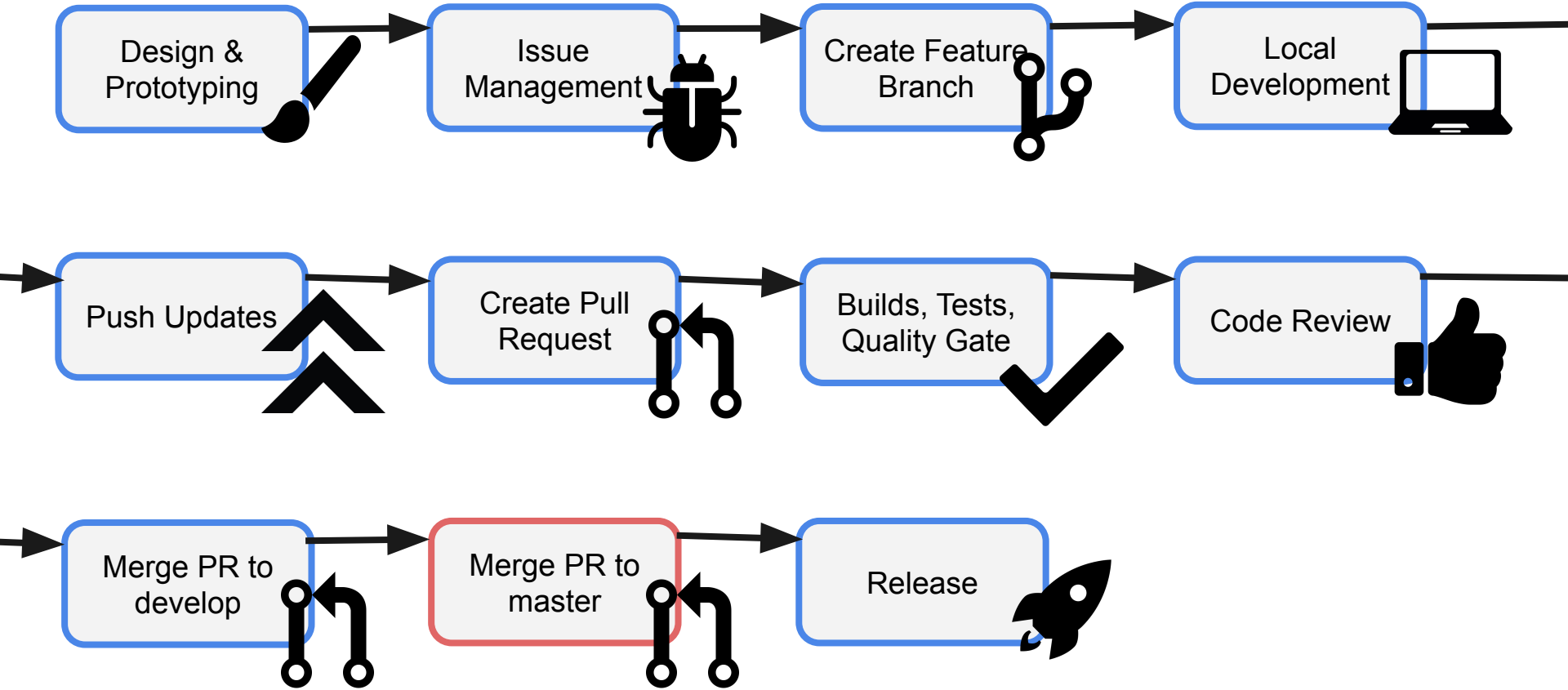
[Revert](#)

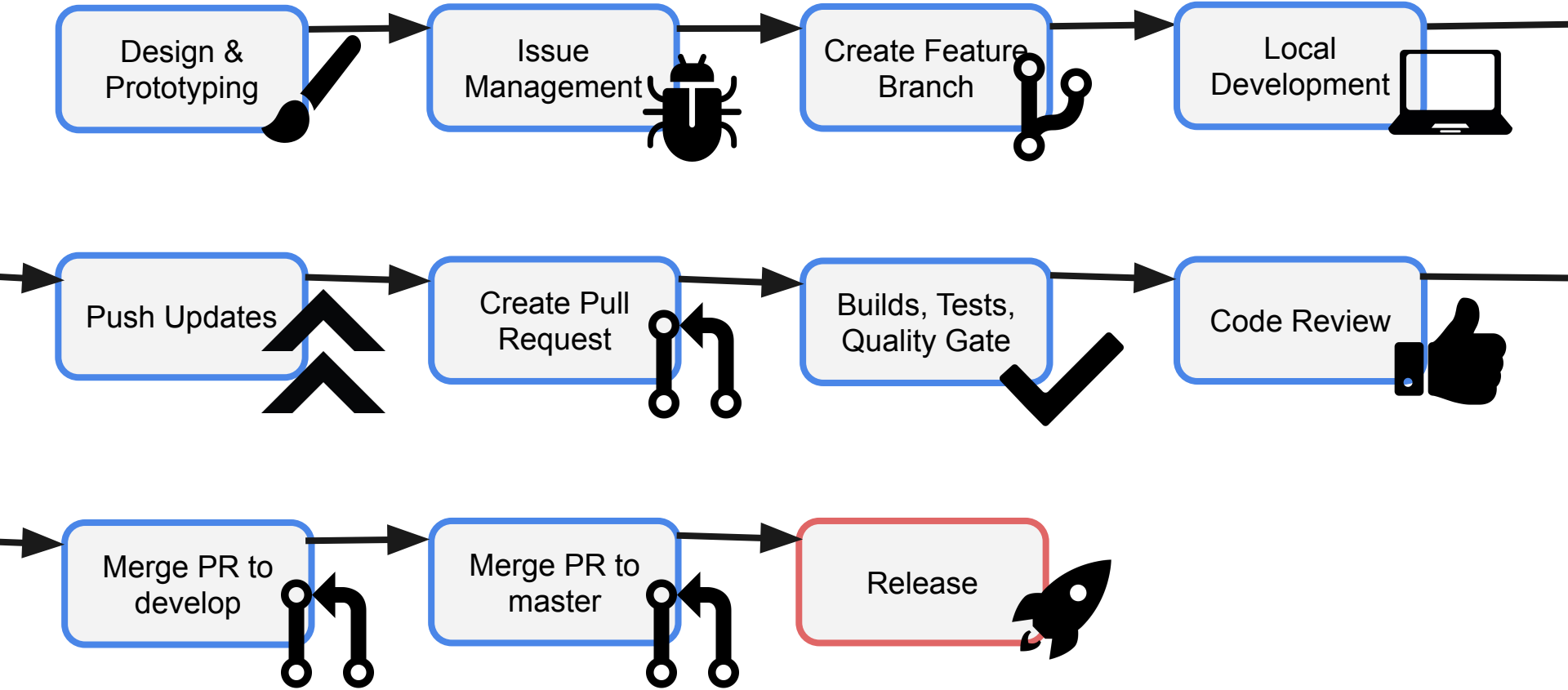


**anikaseibezeder** deleted the `feature/final_release` branch 3 days ago

[Restore branch](#)







# Release

- Add releases on master branch
- Add executables for each release

Latest release

1.0

bfb2604

Verified

Compare

## Project-10: Final Submission

anikaseibezeder released this 2 days ago

- Create a **final release 1.0** in your GitHub team repository
- Make sure, the final release is buildable and shippable
  - Ensure, the build passes all **automated tests**
  - Ensure, the build passes the **SonarCloud quality gate**
  - Provide a **release download** (on the GitHub Release Page) that can be run without IDE or maven
  - Update the **main README page** of your repository
  - Explain **how to** download and run your ECC

Assets 3

elevator-control-center-team-a-1.0.jar

7.84 MB

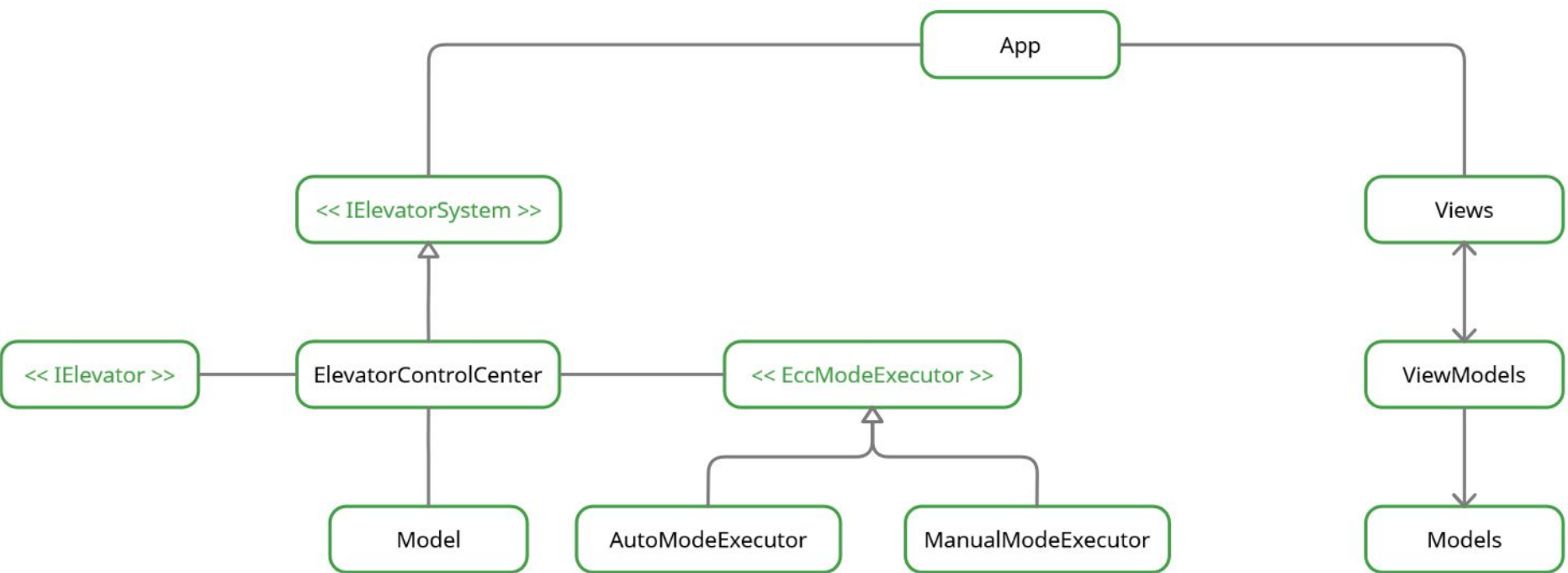
Source code (zip)

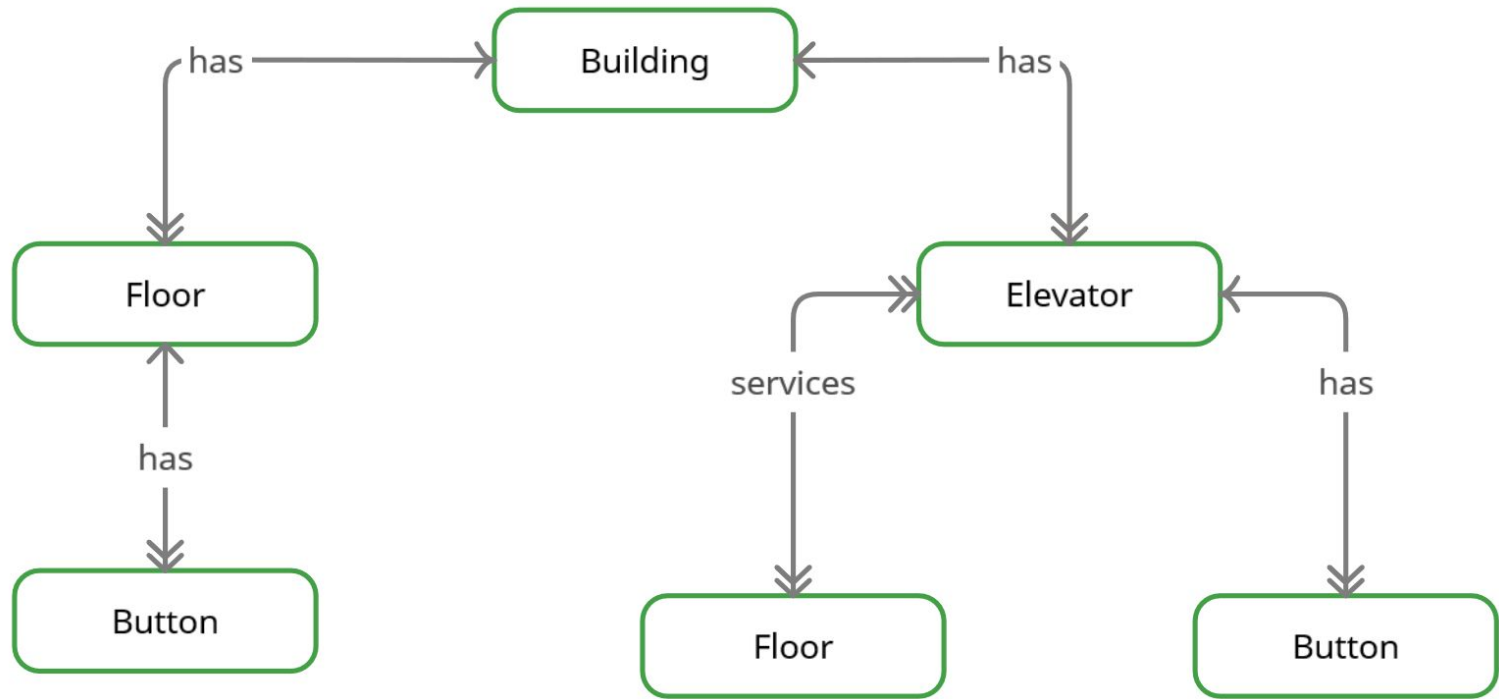
Source code (tar.gz)

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# Architectural Overview







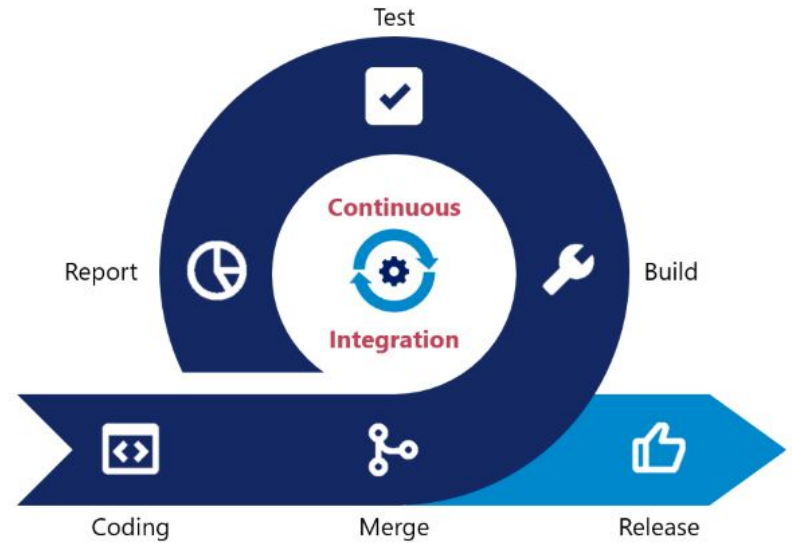
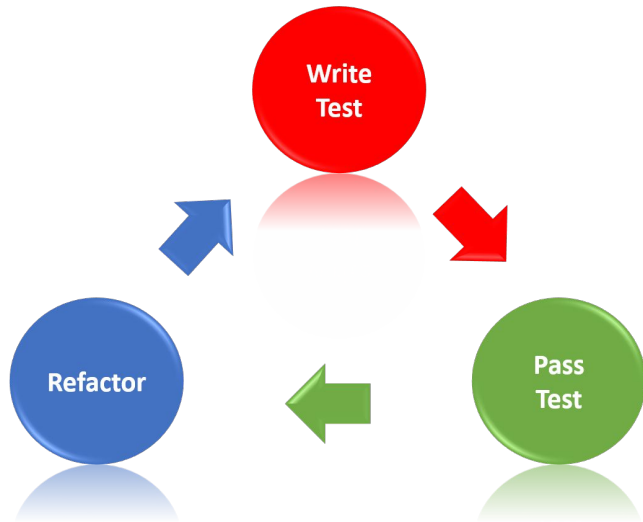


Live Demo

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# Lessons learned

# Lessons learned





# Elevator Control Center Team A

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