DevOps Documentation

# Version Control

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| --- | --- | --- | --- |
| Version (v) | Date | Sprint | Changes |
| 0.1 | 27/02/2023 | 0 | Initial DevOps Doc |
| 0.2 | 27/03/2023 | 1 | Some DevOps Additions |
|  |  |  |  |

# CI/CD Setup

A brief overview of the CI/CD setup.

We are planning to set up a CI/CD pipeline that will automate the following actions:

* Install dependencies.
* Run build of application.
* Run tests of application.
* Deploy application.

Furthermore, static code analysis will take place in the pipeline with the Sonar Cloud tool.

# Repositories

## Frontend

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| Pipeline | Action | Purpose |
| [Build & Test Project](https://github.com/Baby-Monitor-Simulator/s6-baby-monitor-simulator-webui/actions) (Various Node Versions) | Build | Build the web-app bundle. |
| Run Unit Tests | Run all unit tests on build server. |
| Run e2e Tests | Run all end-to-end tests on build server. |

## Backend

None, to be added.

## Wiki

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| Pipeline | Action | Purpose |
| [Build & Deploy Wiki](https://github.com/Baby-Monitor-Simulator/wiki.github.io/actions) | Build | Build static site. |
| Report Build Status | Notify pipeline if build succeeded. |
| Deploy Build | Deploy to GitHub pages. |