# Git Guide

## Branch Conventions

### main

- The primary branch representing the current stable version of the project.
- All merges to main should be tested and free of major bugs.
- Keep this branch as stable as possible.

### dev

- The central development branch where new features, bug fixes, and updates are integrated.
- Changes should be made here instead of directly to main.
- At the end of each week, dev should be reviewed and merged into main.
- Both main and dev should be **protected** branches.
- Code reviews through **pull requests (PRs)** are required before merging.

### Feature Branches

- Each dev makes a new branch for that issue, adds new features etc and in the end creates a **pull request** into the dev branch that will then get code reviewed
- The branch name should match the issue name in GitHub.

## Pushing Commits

Before commits are pushed to main from local, remember to do this checklist:

1. Always take the **latest pull** from Main
2. Describe the **fixes** or **features** added
3. **Code must be compiled on local, do not push code which doesn't work!**

# Commit Message Format

All Commit Messages **MUST** meet this Format:

[<Type>: <Subject>]

## Types

| Type | Description |
|------|-------------|
| feat | for new feature implementing commit |
| update | for update commit |
| fix | for bug fix commit |
| refactor | for refactoring commit |
| docs | for documentation commit |
| test | for testing commit |

## Subject

The subject contains a brief description of the change:

- use the past tense: "changed" not "change" nor "changes"
- don't capitalize first letter

Example:

**feat: added 'changeHeight' option**