Strategy plan for the control of ECC

We plan to use a Git repository for version control of the code so changes which "break" the system can be detected fast.
A Whatsapp group is set up for communication within the team.
The system should be implemented within a Maven Project in Eclipse, using Java and JavaFX for the user interface.

For assurance of code quality the following test techniques we want to use:

- Unit tests (of course)
- **State transition testing**
- Static analysis techniques
- Monkey testing (random testing)

Testing the system without an elevator will be simulated with checking the states the elevator should be in after pressing a target floor in manual mode. In automatic mode we could for example give the system a queue of targets and test the states and floors the system will go to.

Depending on the system and its complexity additional testing techniques can be applied.