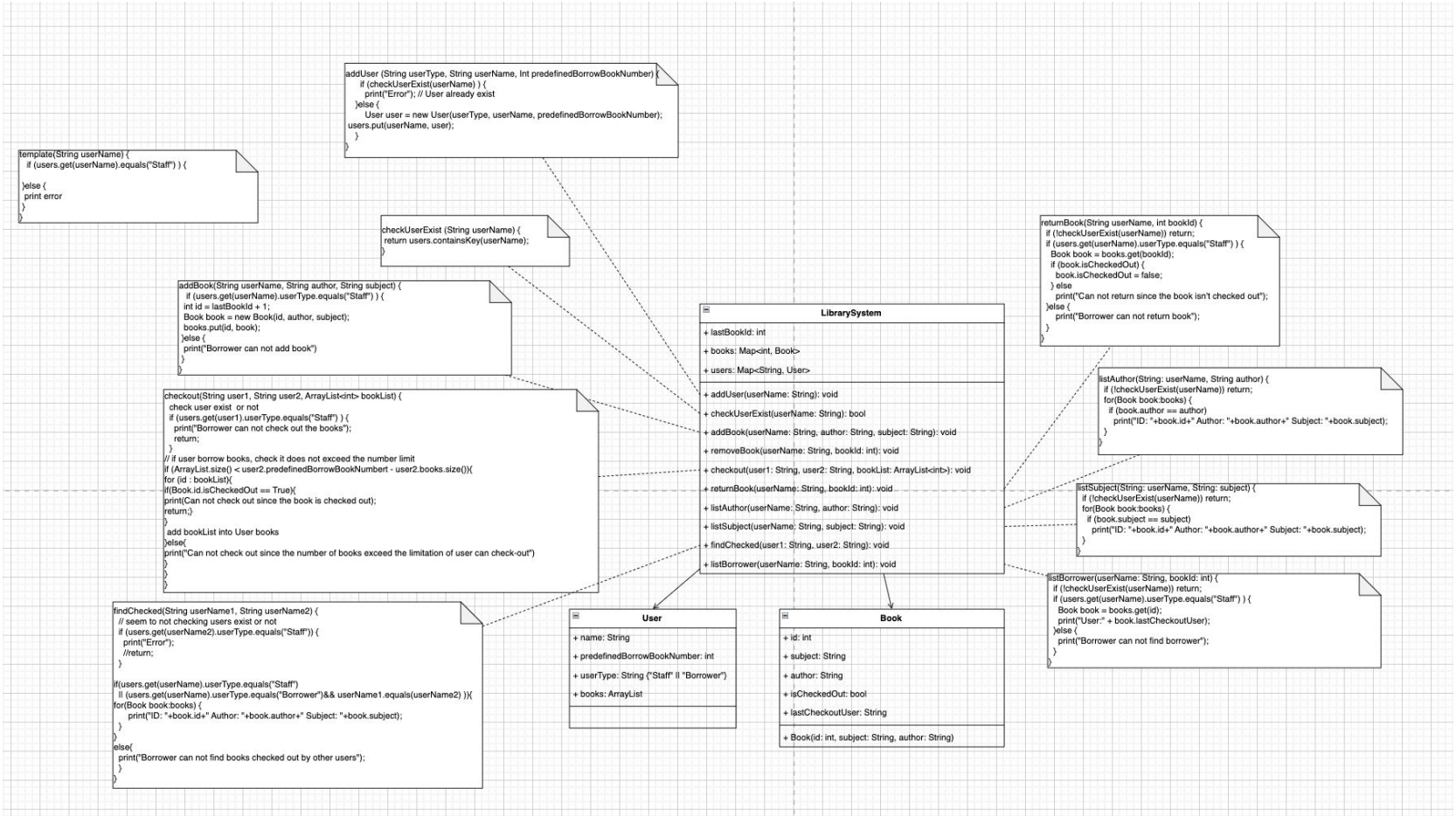
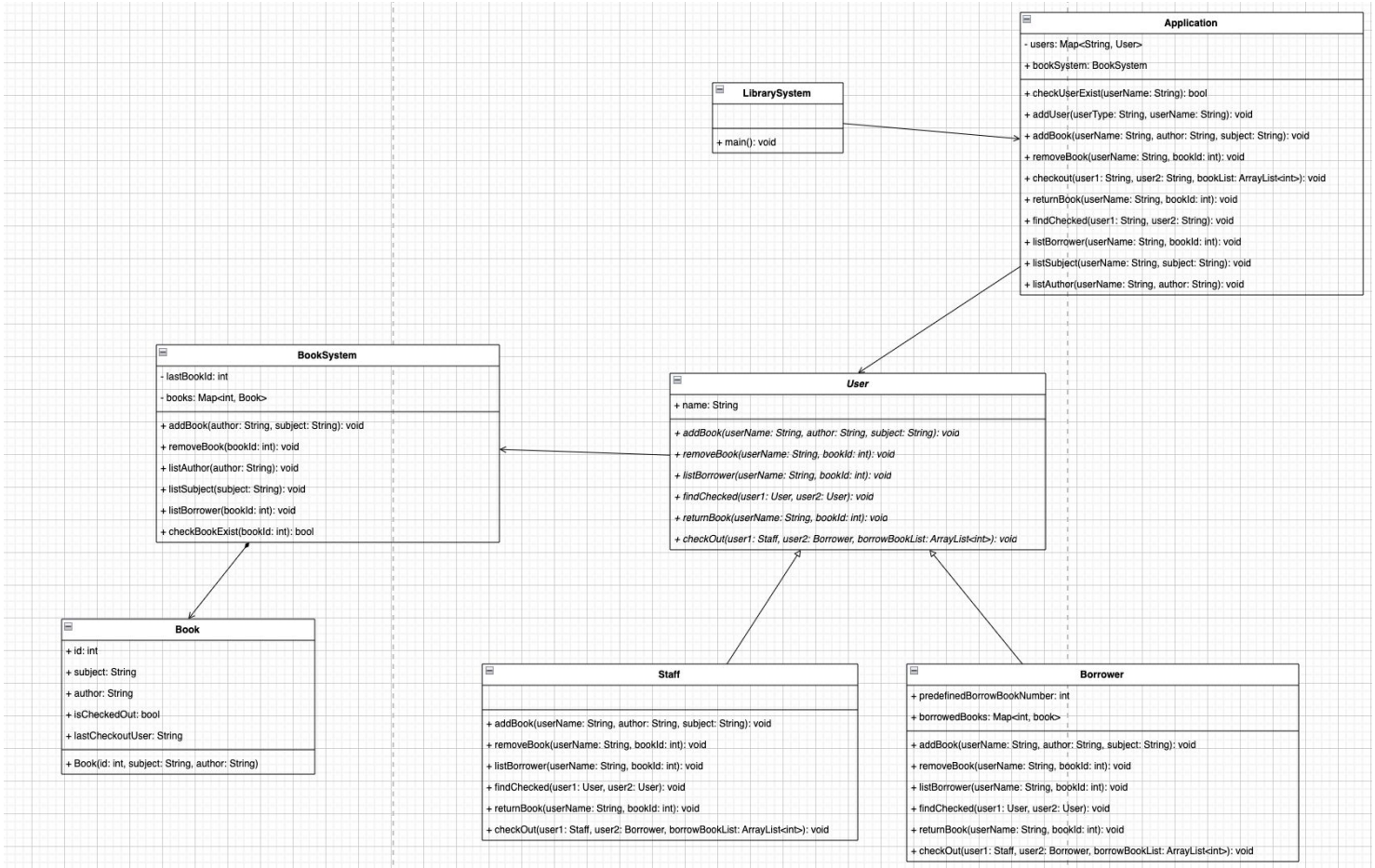
Initial Design



Refactor(final) Design