Project Dollhouse Updater – TDD

# Requirements

The Updater must be able to support incremental updates, and should not download files that have not changed between versions.

# Manifest requirements

* Must contain the latest update version.
* Must contain all files, their SHA hash and their URL.

# Update process

1. Updater checks its filename. If it ends with "NEW.extension", the executable is renamed, as well as shortcut on desktop. Updater grabs a manifest using HTTP.
2. If the updater’s version doesn’t match the one in the manifest:
3. Updater checks its list of files against the list of the files in the manifest to figure out which ones changed, and which ones were added.
4. Updater downloads the changed and added files. All files are saved as "filename NEW.extension". Then the updater changes the shortcut on the desktop to point to the new executable. Updater tells user to restart application before closing down.
5. Assuming updater's version matches the one in the manifest:
6. Updater grabs client's manifest using HTTP.
7. Updater checks client's list of files against the list of the files in the manifest to figure out which ones changed, and which ones were added.
8. Updater starts client and closes.