

Test cases

A. File downloader

- The download task is defined with source URL and target URL. The communication is by delegate with protocol. To test its function, we could setup with any given source, which could be a different network CSV file.

B. Data file integrity

- There may be some errors when populating the CSV file. Database importer will notify the listener of the status. This can be tested by setting up a DatabaseImporter with source file URL. Mocked source CSV file can be used for quick test.

C. DatabaseImporter

- This component includes the logic of file downloading and database populating.
- Manage the actual process
- Test will need to be done with parameter when setup. For example, given a source CSV local file, test its database importing correctness. Mocked CSV file can be used for quick test.

D. UI - Progress View

- The test of this UI view is fairly straightforward. Title, progress value and description

E. UI - Product list and search

- Build ViewModel to test its correctness by using mocking data.