

**Title:** Command Line Interface

**Primary Actor:** User

**Goal in Context:** Successfully scan a file/package using the command line

**Preconditions:** Open Linux terminal and current directory is where Ninkology was installed.

**Stakeholders and Interests:**

1. User
  - a. Must have correct permission to run the program.

**Main Success Scenario:**

1. User runs the ninkology.pl program.
  - a. Ex: ./ninkology [options] File\_Name/Archive\_Name
2. The output from ninkology.pl is file license information in JSON format.
3. Output from ninkology.pl can be piped to a file.

**Failed End Condition:**

1. FOSSology wasn't installed correctly
2. Ninka wasn't installed correctly
3. Package name with invalid characters (ex: \*, : , ^ , etc...).
4. Invalid Folder

**Trigger:**

1. User runs the ninkology.pl program.

**Notes:**

Usage: ninkology.pl [options] [filename]

options:

-f	Scan the file/package with only FOSSology
-n	Scan the file/package with only Ninka

**Output:**

The output of ninkology is JSON in the format:

"{fileName: [file], licenseDeclared: [license], licenseComment: [comment]}"

[file]            -- The name of the file provided

[license]        -- The license(s) found by Ninka and FOSSology if the results match.  
                  -- The license(s) found by Ninka or FOSSology if only one scan is used.  
                  -- "NOASSERTION" if the results of Ninka and FOSSology did not match.  
                  -- "None" if Ninka and FOSSology both found no license information in the file.

[comment]        -- The direct output given by Ninka and FOSSology in the form:  
                  "#Ninka: [ninka\_output] #FOSSology: [FOSSology\_output]"