

# LITERATURE SURVEY DOCUMENT



## Batch Members

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## Guide

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## Project Objective

To design and implement a downloading tool that seamlessly integrates with most popular browsers, provides comprehensive error recovery and resume capability to restart broken or interrupted downloads, protects against viruses and other attacks by integrating with anti-virus software .

## Definition

A [computer program](#) designed to [download](#) files from the [Internet](#), unlike a [web browser](#), which is mainly intended to browse [webpages](#) on the [World Wide Web](#) (with file downloading being of secondary importance).

Ref 1:

[http://en.wikipedia.org/wiki/Download\\_manager](http://en.wikipedia.org/wiki/Download_manager)

## Distinguishing Features

These are the features that distinguish our product from those that are available in the market.

Such features include :

### ➤ Built-in XML validator

- Validate an incoming XML file against its schema so as to decide whether to proceed with the downloading of the file (in case of encountering an 'invalid' file).
- Validate XML files to be uploaded.

Ref 2:

<http://www.internetdownloadmanager.com>

### ➤ File system monitor

- Set up a monitor on a file/group of files to prevent automatic updates from clogging the network bandwidth.

Ref 3:

<http://www.internetdownloadmanager.com/features>

➤ **File Versioning**

When downloading similar files users can (optionally) specify to store only one copy on the system; the rest are obtained by applying the differences from the single stored file.

Ref 4 :

<http://www.conceiva.com/products/downloadstudio>

➤ **Zip preview**

Preview the contents of 'zip' compressed files before to download them.

➤ **Media preview**

A quick preview of initial few frames of a media file before downloading it completely.

➤ **Redirection**

Download to a specified location on the network.

Ref 5:

<http://aria-rpm.sourceforge.net/features.php>

Here are some of the other websites we referred while gathering information of the distinguishing features that are to be implemented and for the requirement collection

Ref 6:

[http://www.sun.com/download/sdm/sdm\\_features.xml](http://www.sun.com/download/sdm/sdm_features.xml)

Ref 7:

<http://aria-rpm.sourceforge.net/features.php>

Ref 8:

<http://www.gozilla.com/>

Ref 9:

<http://www.adobe.com/support/products/downloadmanager.html>

## User Interface

For the user interface, we have seen the UI's of all the popular downloader softwares. Some of the links to a few popular download managers are given below.

Ref 10:

<http://www.amazesoft.com>

Ref 11:

<http://www.gozilla.com>

## Networking aspects

For the networking aspects of the project, we have referenced the following websites.

Ref 12 :

[compnetworking.about.com](http://compnetworking.about.com)

Ref 13 :

[www.computerworld.com/networkingtopics/networking](http://www.computerworld.com/networkingtopics/networking)

These are the books we have referenced during the literature survey.

1. Computer Networking  
- James W. Kurose & Keith W. Ross
2. Computer Networks  
- Andrew S. Tanenbaum
3. Data Communications and Networking  
- Behrouz A. Forouzan

