Internet Download Manager

Version : 1.0.2

Internet Download Manager

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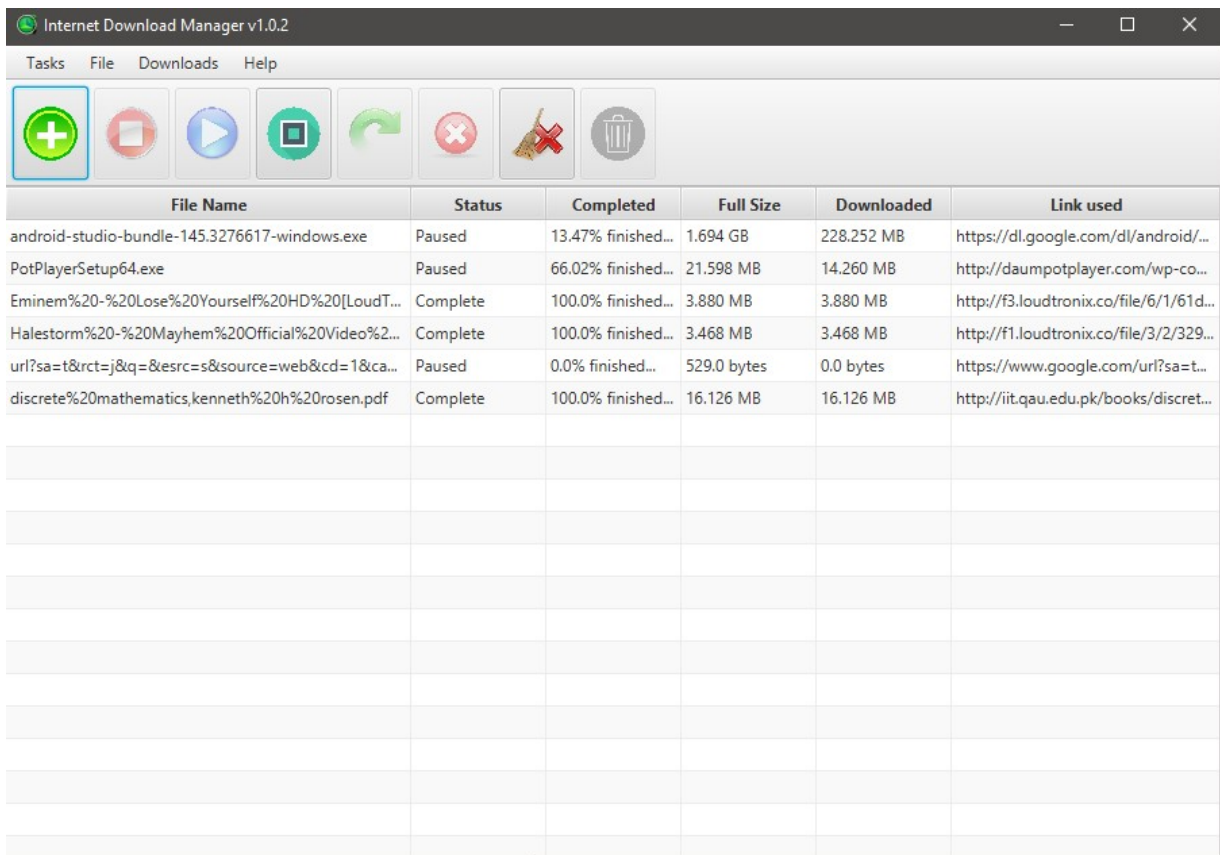
Md. Aashikur Rahman Azim
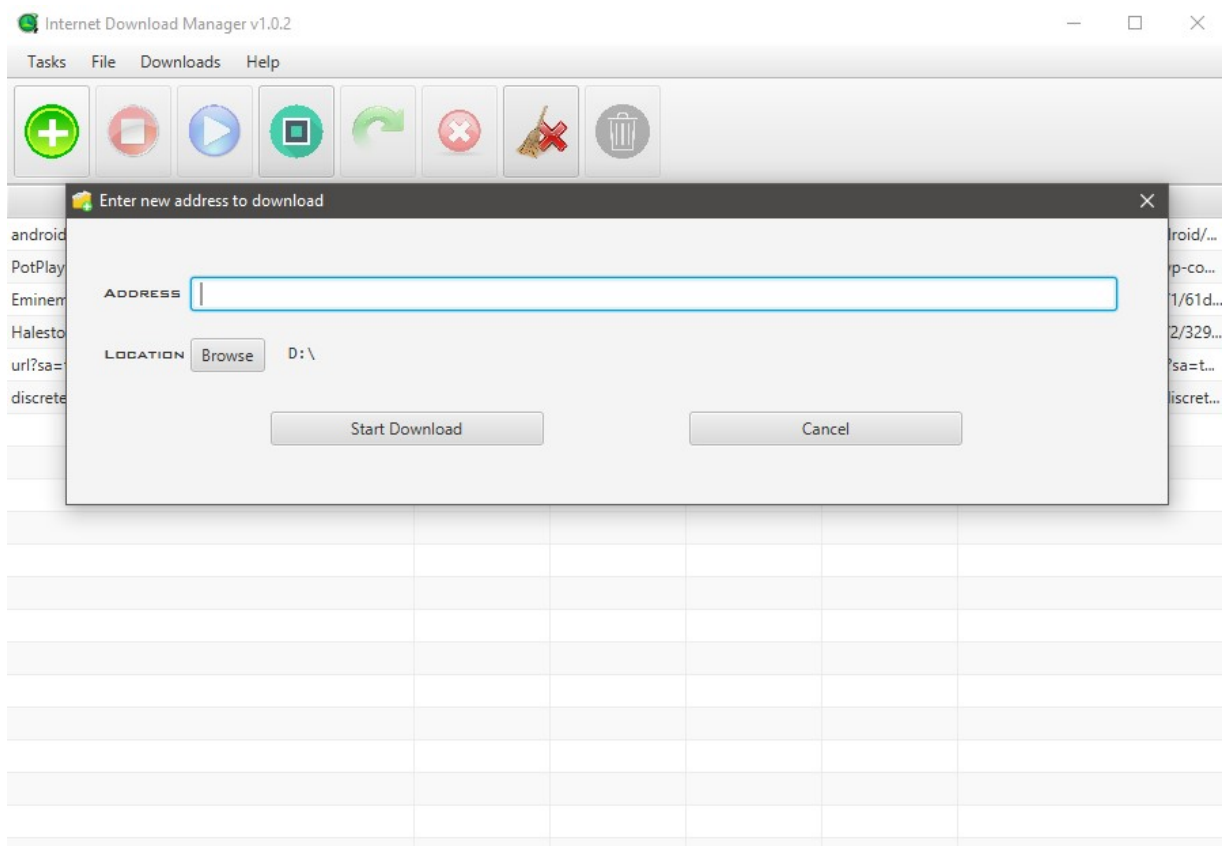
Lecturer, CSE - BUET

Overview

This project is basically a downloading tool, which can manage multiple downloads at the same time from the internet and also can keep track of unfinished downloads for completing them later. This download manager also provides a user-friendly GUI for better experience.
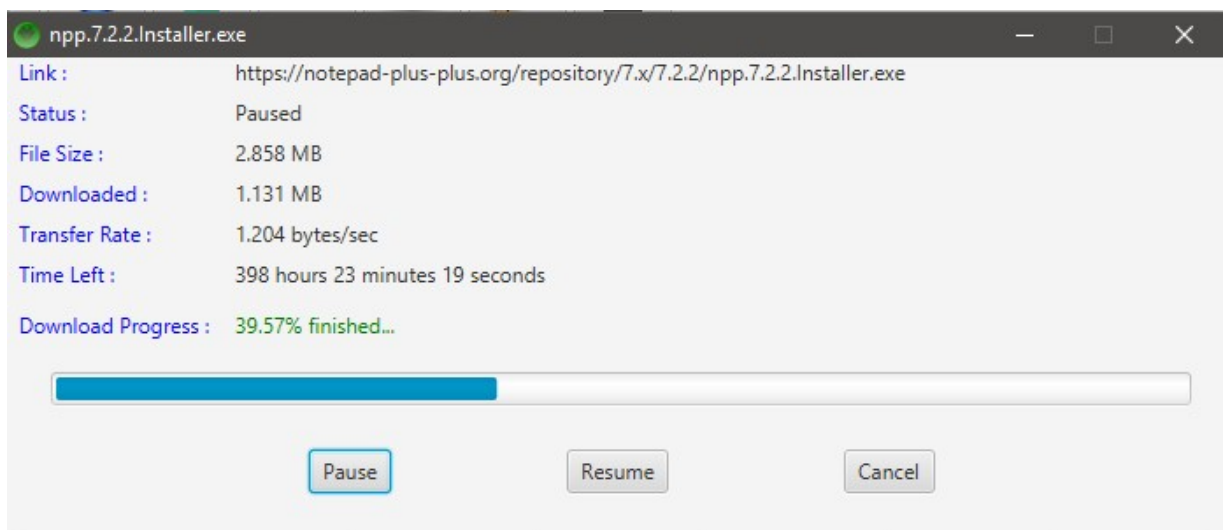
Specifications

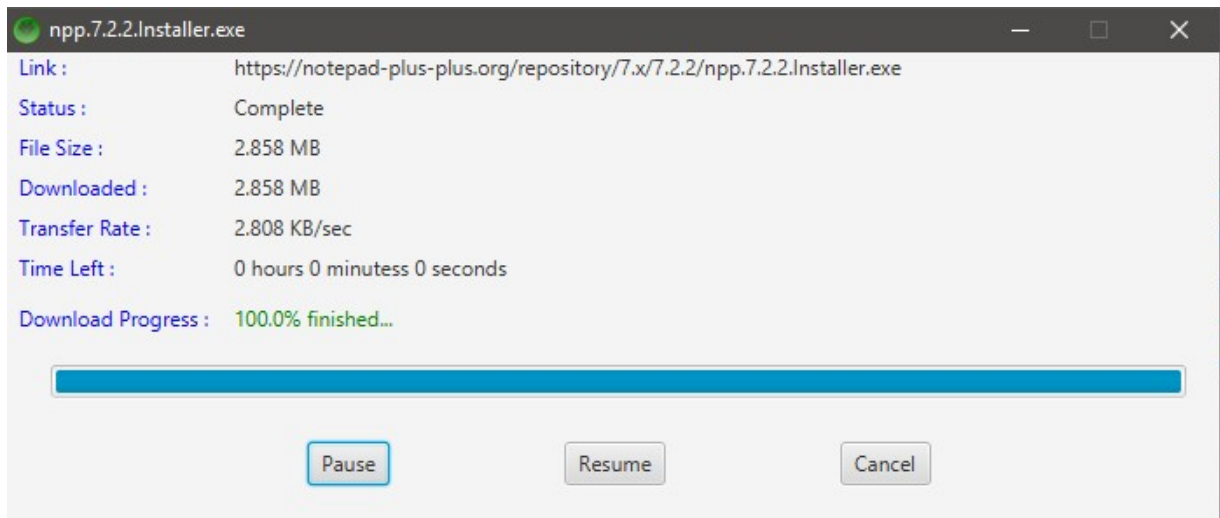1. The program has a main window where all listed downloads and their progress are shown.

2. Add URL Button or Add new download menu item allows the user to start a new download. The user has to put the download link and also can specify where the downloaded file will go.

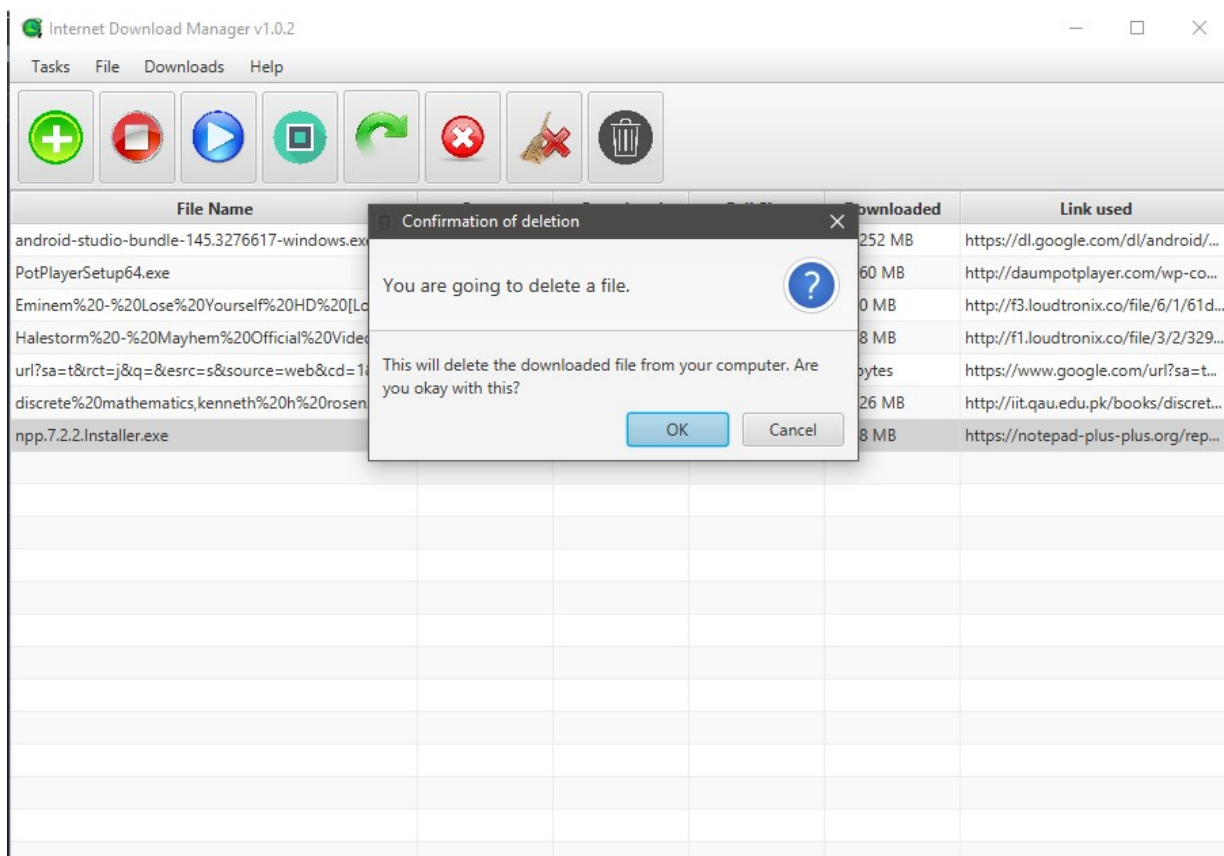3. After each download starts, its status , download speed, progress bar are shown in a new window.

4. We can pause, resume, or cancel the download from this window. The progress bar is full when the file is completely downloaded.
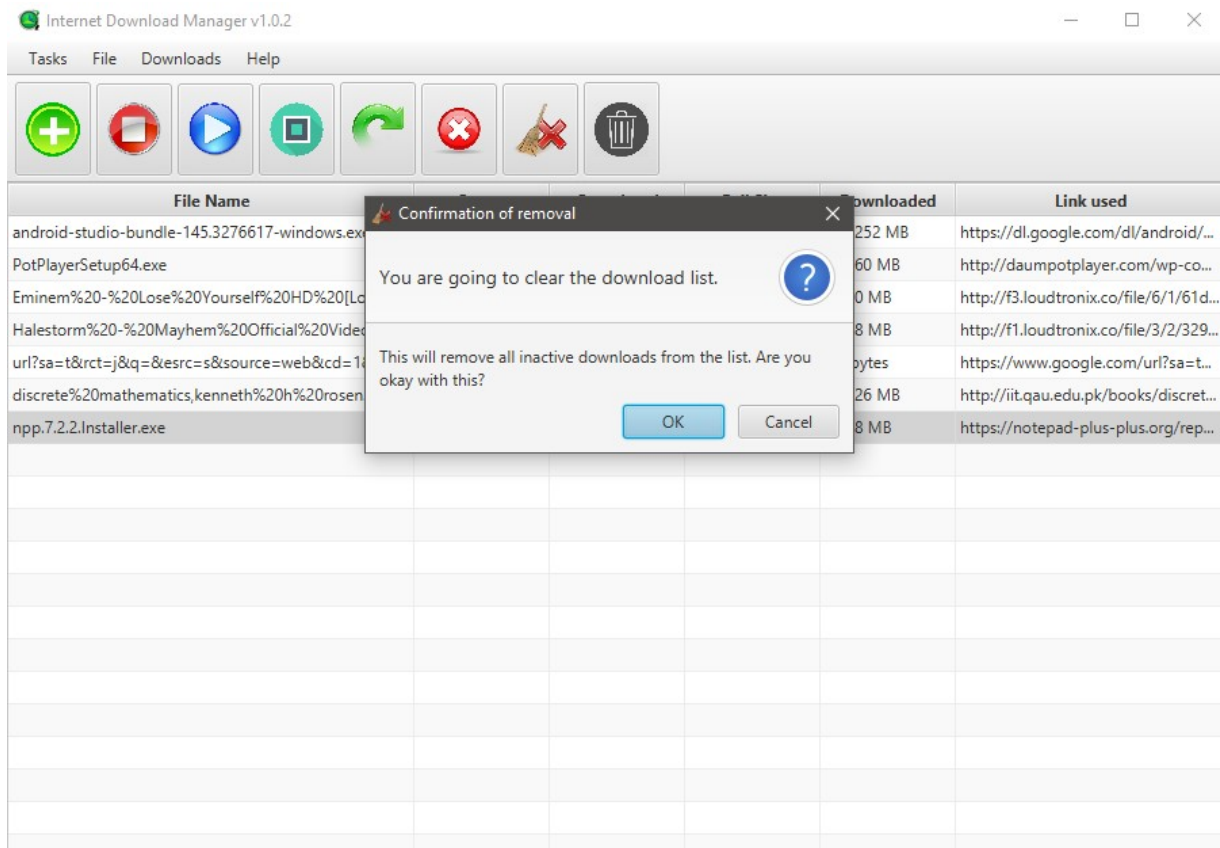
5. One single download can be paused, resumed and redownloaded from the main window using button or menu item.

6. A downloaded file/inactive file can also be removed from the list and also be deleted from the computer.

7. All downloads in the list can be paused just with one click.

8. All inactive downloads can be removed from the list.

Tools I have used:

- NetBeans IDE 8.2
- JDK 1.8
- JavaFX Scene Builder 2.0

Things I Couldn't Complete:

1. I could design the downloading class for segmented download. It should be done by using multiple threads for a single download and then merging all segments. This is a scope for me to develop my program. Due to limitation of time, I couldn't try this before submission.

2. I could add a drag and drop option for download links.

3. I could manage scheduled download also as another feature.

How to run :

Only MainView.java contains main class. And no command line arguments needed. After compiling the classes, MainView class should be run by the user.