Y-Link

A YouTube Video Downloader

Project Developers

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Submitted To

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OVERVIEW

Youtube is the most popular video-sharing platform in the world and the option of downloading a video is not provided by Youtube.Y-Link is an application which is dedicated to the task of downloading video files from Youtube.

Y-Link can be used to download any Youtube videos in any given format. A user enters the link of the Youtube video on to this application which is then converted to any format as specified by the user. The videos could be easily converted from one format to another based on the user's requirement. An easy-to-use user interface will be provided with the help of which users can easily download required videos onto their personal devices.

GOALS

1. To download Youtube videos through an interactive user-interface.
2. To provide options for various formats in which the video can be downloaded.

SPECIFICATIONS
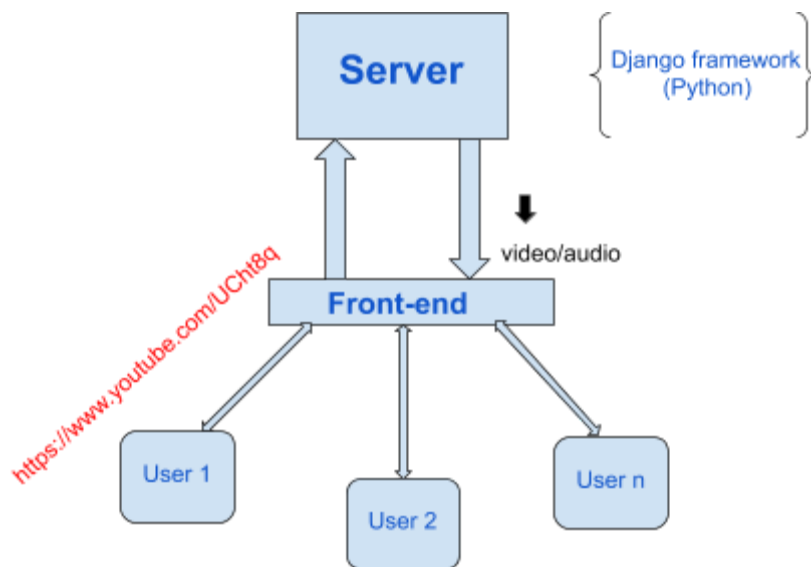
The project is divided into two parts:

1. Front-end design.
2. Back-end framework.

1. Front-end

We are planning to design a graphical user interface for our application using HTML and Bootstrap. Users make use of our application which is hosted on a server using this user-friendly interface.

A user needs to paste YouTube link of the desired video to be downloaded in our application and in-turn this application sends a request to our server for the further process. After the server handles this request and sends back video/audio file, the user can download it conveniently.

2. <u>Back-end framework</u>

This application uses a python web framework called Django which makes use of MVC architecture. Django framework supports back-end of our application by handling all the requests sent by the front-end part of the application possibly via GET/POST methods or REST API. Later a python script written extracts the video located at that particular link provided by the user.

This extracted raw output is available for download. There will be options to choose the format of the video to be downloaded such as MP4, FLV, OGG along with the choice of quality of the audio/video to be downloaded.

RESULTS

Expected to develop a user-friendly reliable application that extracts and converts video from the given Youtube link and make it available to users.