

YouTube Downloader

Bachelors of Computer Applications

[Batch 2018 – 2021]

Submitted by

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Under the guidance of Prof.,

Ms. Ripal Rana

Atmiya University.

Submitted to

ATMIYA UNIVERSITY

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1. Project Profile

-: 1. Project Profile :-

Project Title :- “YouTube Downloader”

Front-End :- Python

Project Guide :- Ms. Ripal Rana

Submitted By :- Ms. Insiya Shakir

Submitted To :- Computer Science Department,
Atmiya University,
Kalawad Road, Rajkot – 360 005.

2. Acknowledgement

-: 2. Acknowledgement :-

I Insiya Shakir the student of Atmiya University(Computer Science)BCA, would like to express my sincere gratitude to my parents , professor ,and friends for supporting me throughout my Project work.

I wish to express my sincere gratitude to my supervisor, Professor Ms. Ripal Rana, for her enthusiasm, patience, insightful comments, helpful information, practical advice and unceasing ideas that have helped me tremendously at all times in my research of this project. Without her support and guidance, this project would not have been possible. I could not have imagined having a better supervisor in my study.

I would also like to thank all our faculty members who supported me in all the way it was possibly directly or indirectly.

Thanks for all your encouragement!

3. Introduction of The Application

-: 3. Introduction of the application :-

YouTube Downloader application is window based system design and develops with the criteria to help the individual to download video and audio from YouTube externally.

The project is developed to fulfill the requirement of user so they can watch and listen video and audio respectively offline, out of YouTube.

This application can only be accessed in the window.

4. Proposed Application

Project Title	"YouTube Downloader"
Project Definition /Goal	<p>The project is developed for the user to watch and listen video and audio offline, out of YouTube.</p> <p>The main aim of the project is to download video and audio from YouTube.</p>
Project Guide	Ms. Ripal Rana
Team Size	1
Team Members	Ms. Insiya Shakir
Language Used	Python
Project Duration	July 2020 to May 2021
Submitted To	Atmiya University, Rajkot.

-: 4. Objective Proposed application :-

- The main objective of this particular application is to download audio and video from YouTube externally.
- Objectives of this application are as follows:
 - ✓ Download video out of YouTube.
 - ✓ Can listen and watch video offline.

5.Resource Requirement Specification

-: 5. Hardware & Software Configuration :-

Window Application

❖ Hardware Requirement :-

- ✓ Operating systems: Windows 7 or above
- ✓ Hard disk - 10 MB
- ✓ RAM - 2 GB or above
- ✓ Processor - 32-bit, dual core, 2.5 GHz minimum per core

❖ Software Requirement :

- ✓ Front-End : Python
- ✓ IDE : PyCharm

6. Technology Study

-: 6. Features of The Tools Used :-

SOFTWARE WHICH USE TO DEVLOPE APPLICATION

❖ PyCharm

- Integrated Development Environment to develop Python Application
- Provides Wide Range Of Essential Tools For Python Developers.

7. Software Engineering Paradigm

-:7. Software Engineering Paradigm :-

-Water fall Model:

Simplest Model is the water fall model, which states that the phases are organized in linear order.

With this the sequence of activities performed in a software development project is

- Requirement analysis.
- Project planning.
- System Design.
- Detailed design.
- Coding and unit testing.
- System integration and testing.

In a typical model, a project begins with feasibility study analysis. On successful completion of testing, the system is installed. After this, the regular operation and maintenance of the system take place.

When the activates of phase are completed, there should be product produced by that phase. The earlier output of phase is called work product and usually in the form of documents like the requirement documents, design documents, for coding phase output is code.

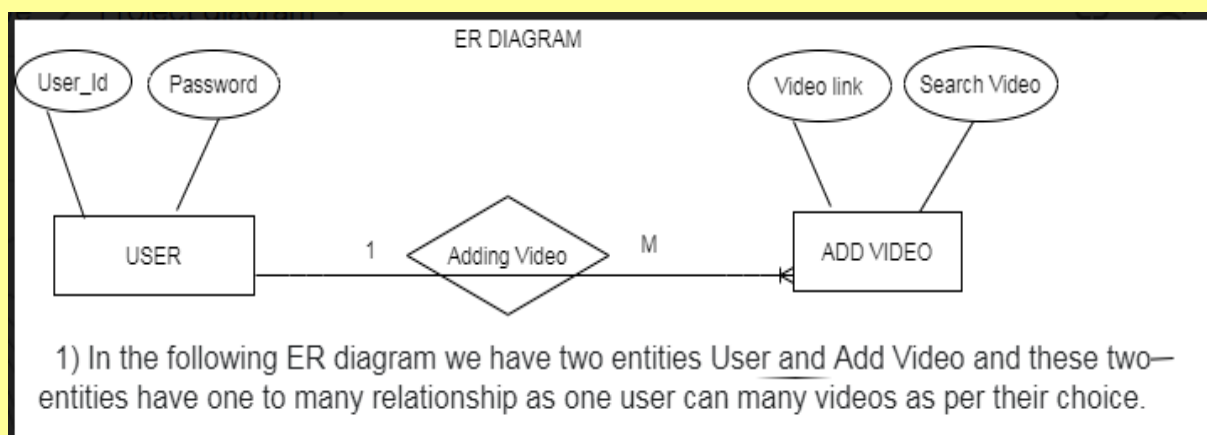
The output is not just final software along with the user document like,

- 1.Requirement document.
- 2.Design.
- 3.Project plan
- 4.Test plan.
- 5.Test Result.

8. Diagrams

-: 8. Diagrams :-

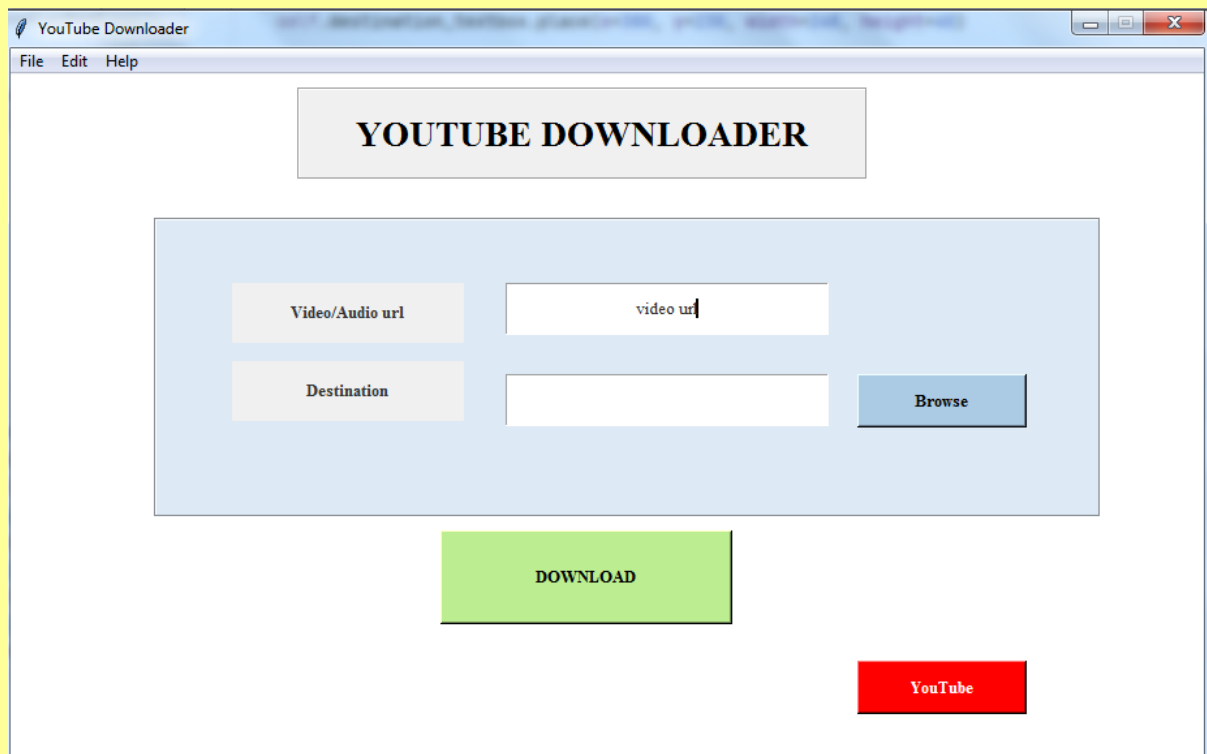
Entity Relationship Diagram – ER Diagram



9. Project Screen Layout

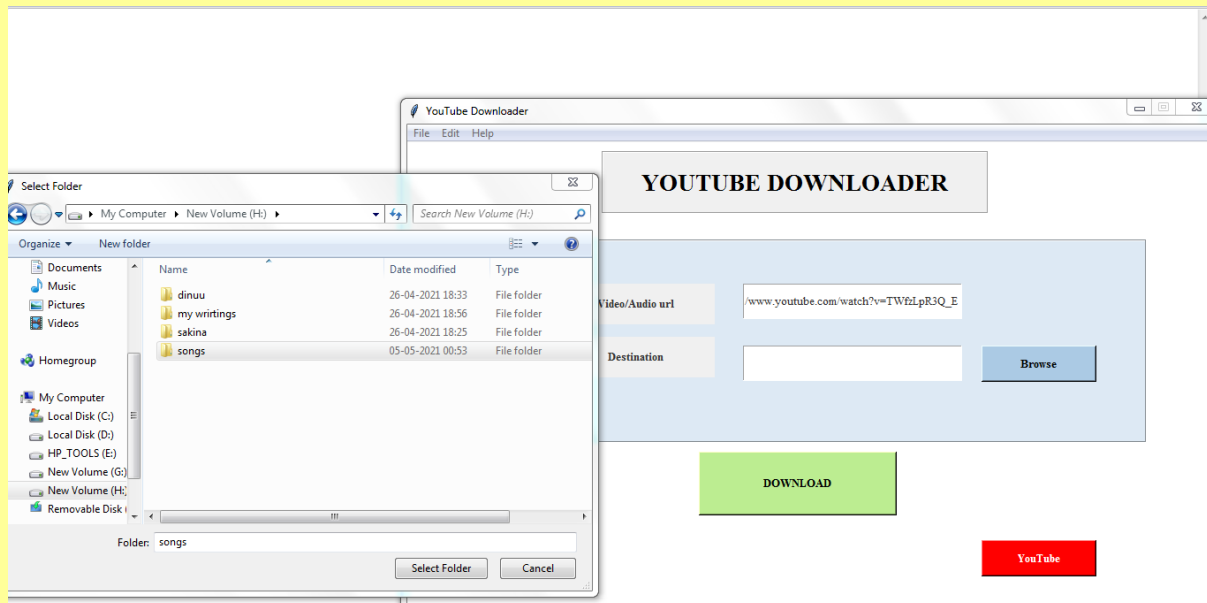
Window Application

1. YouTube Downloader



Description: - This is the main screen of the YouTube Downloader Software.

2. Select Destination :



Description: - With the help of this Browse button user can select the destination where the video needs to be saved or download.

3. Confirmation Message for Download



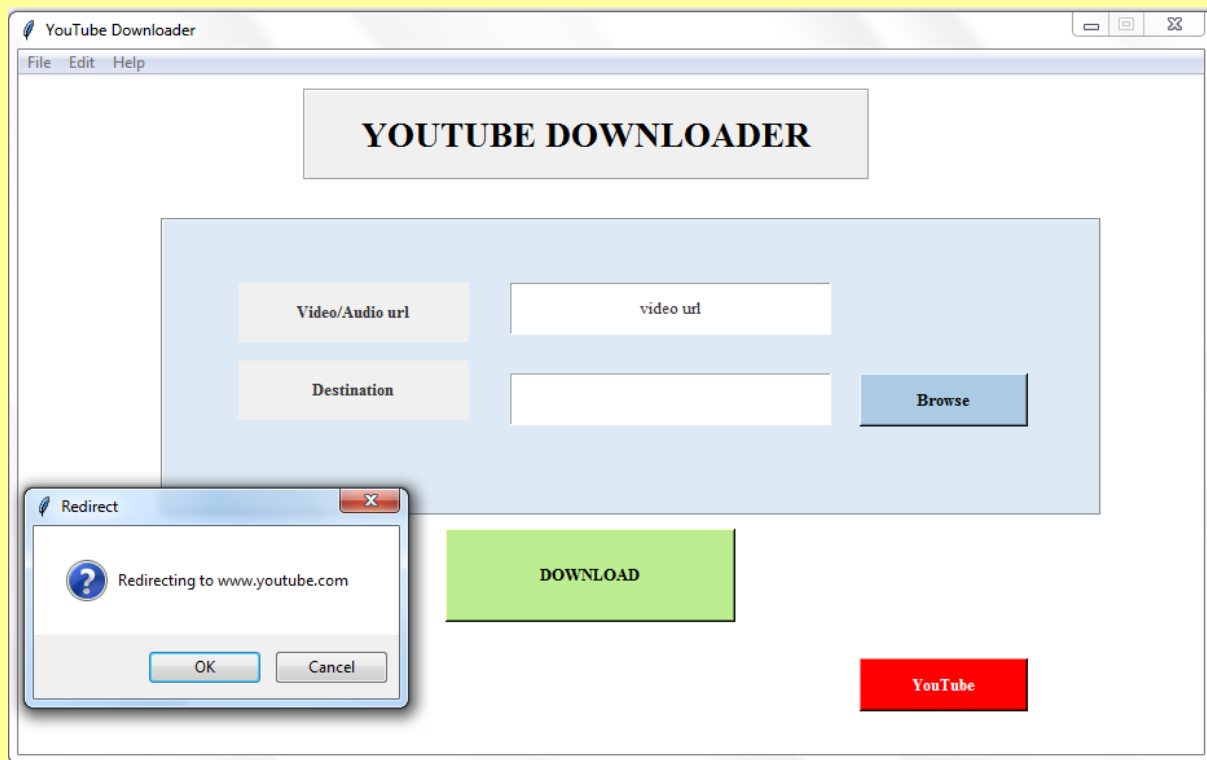
Description: - With the help of this screen confirmation message pop-up to user for downloading video.

4. Video Downloaded.



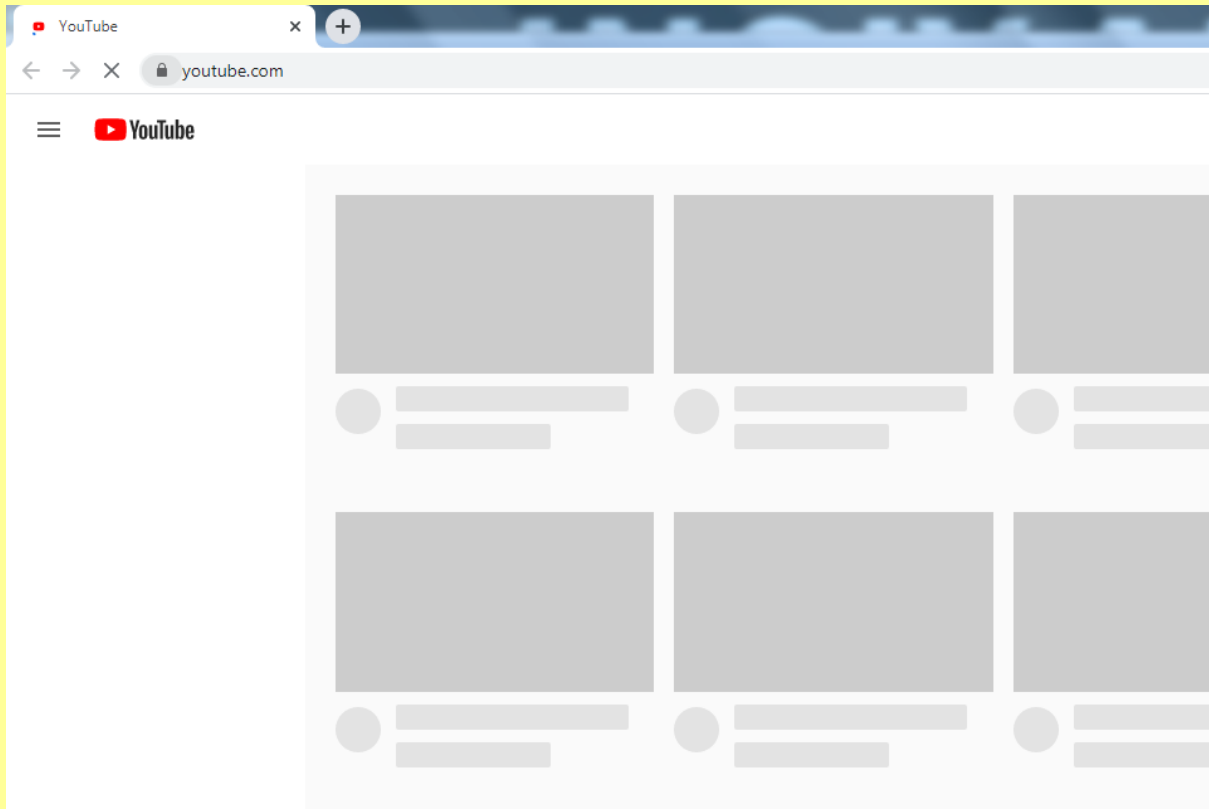
Description: - With the help of this screen user is informed with a message video downloaded on successful download.

5. Confirmation Message for Redirect



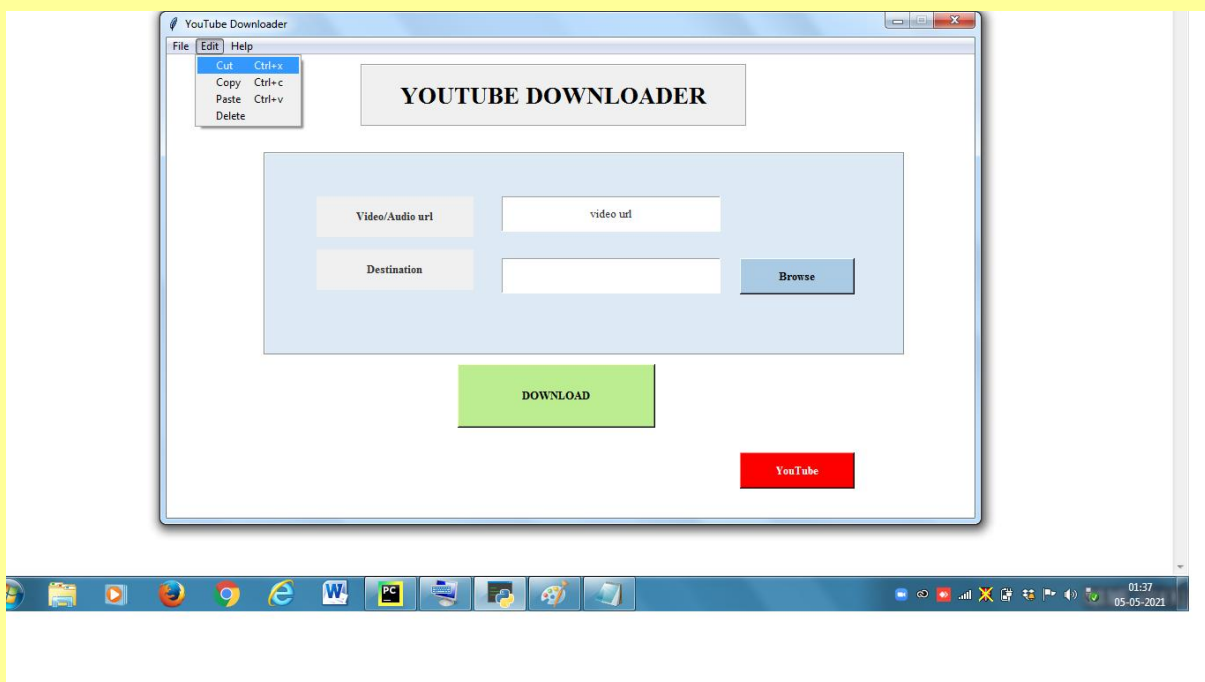
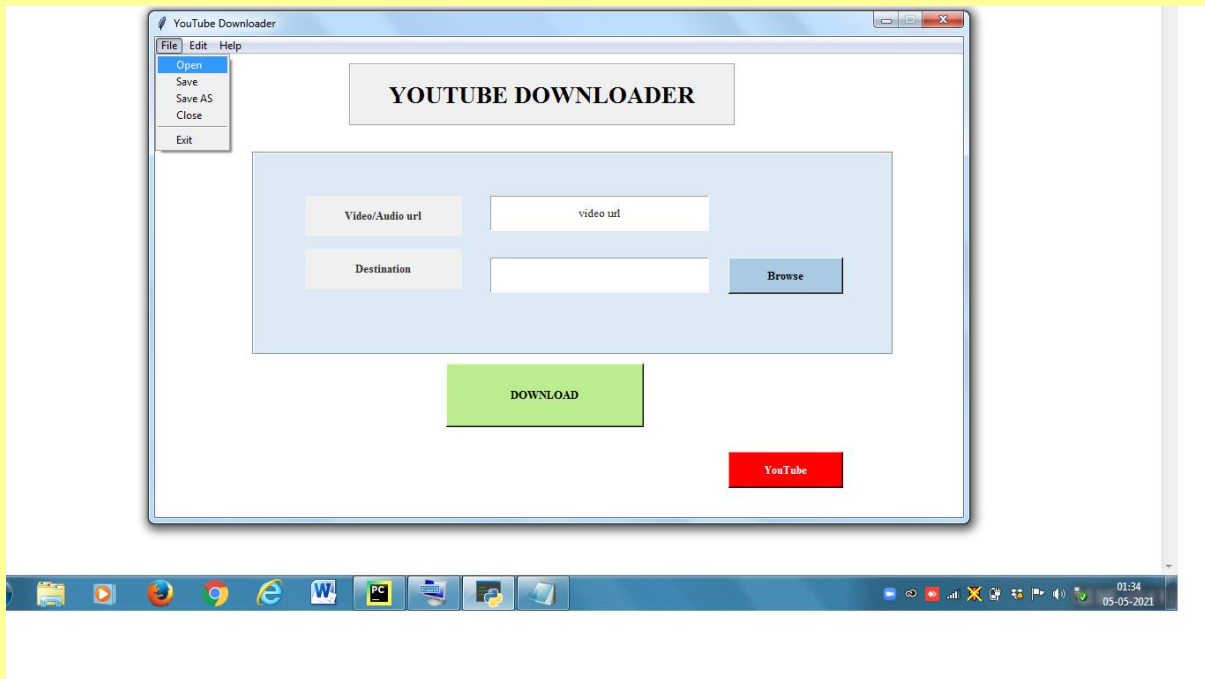
Description: - With the help of this screen confirmation message pop-up to user for redirecting to YouTube website.

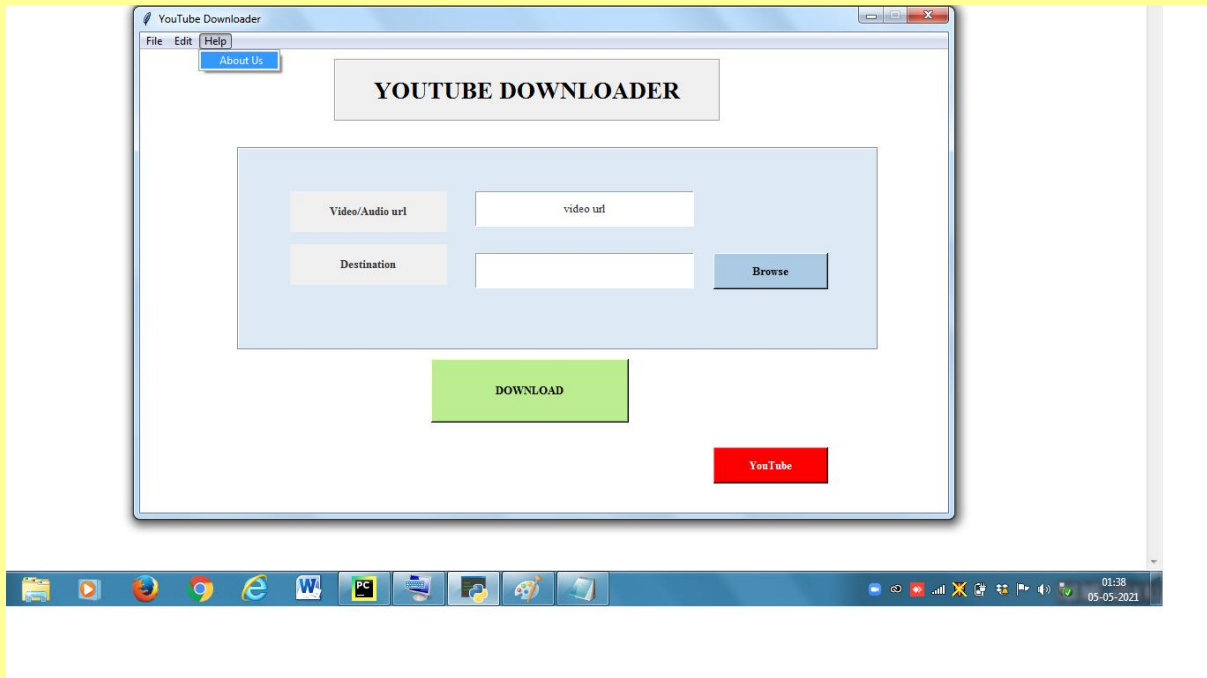
6. Redirected to YouTube Website



Description: - This screen confirms that user is redirected to YouTube website from the YouTube Downloader Software.

7. Menu Bar for File, Edit and Help.





Description: - This screens allows user to interact with multiple functionalities of the YouTube Downloader Software.

10. Project Schedule

-: 10. Project Schedule :-

Index	Task Name	Start	Finish	Duration	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020
1.	Requirement Analysis	22/07/2020	30/08/2020	39 Days						
2.	Project Planning	01/09/2020	25/09/2020	25 Days						
3.	System Design	26/09/2020	20/12/2020	85 Days						

Index	Task Name	Start	Finish	Duration	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021
4.	Detail Design	26/01/2021	12/02/2021	18 Days					
5.	Coding & Unit Testing	13/02/2021	09/04/2021	56 Days					
6.	System Integration & Testing	15/04/2021	03/05/2021	18 Days					

11. Future Expansion

-: 11. Future Expansion:-

Future Expansion:

This application is initially developed for users who are willing to watch and work with the audios and videos offline. But without making any large changes in this system it can be expanded for all the individuals in the society.

This application is capable of adopting any new feature.

This application can be upgraded with new features by making very less changes.

The new features that can be added to this system without making vast changes are:

- ✓ Smart audio listening.
- ✓ Trimming the videos as per the user needs.
- ✓ Redirect to YouTube Downloader Software from the YouTube website.
- ✓ As per the user needs the audios and videos can be re-sized.

12. References & Bibliography

-: 12. References & Bibliography:-

Web sites:

- ✓ www.stackoverflow.com
- ✓ www.tutorialspoint.com
- ✓ www.youtube.com

Search Engines:

- ✓ www.google.com