**INSTITUTE OF PRINTING TECHNOLOGY**

**&**

**GOVERNMENT POLYTECHNIC COLLEGE**

**SHORANUR**



**Department Of Computer Engineering**

**2021-2022**

**PROJECT REPORT ON**

**DAYLIGHT-TORRENT DOWNLOADER**

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**INSTITUTE OF PRINTING TECHNOLOGY** **&**

**GOVERNMENT POLYTECHNIC COLLEGE**

**SHORANUR, KERALA**

**CERTIFICATE**

This is to certify that the project titled **DAYLIGHT-TORRENT** **DOWNLOADER** that has been presented by **NITHIN P T(Reg. No. : 19138122), RANJITH K (Reg. No. : 19138124),VISHNU T M(Reg. No. : 19138126), ADITHYAN P A(Reg. No. : 1918117), PRINITTA C JAISON(Reg. No. :19138123),** final year students of COMPUTER ENGINEERING, in partial fulfillment of the requirements for the award of the DIPLOMA IN COMPUTER ENGINEERING under the Directorate of the Technical Education, Kerala, during the year 2021-2022.

**Guided By Head of Department**

**Internal Examiner External Examiner**

**Place: SHORANUR**

**Date:**

**ACKNOWLEDGEMENT**

First of all I thank the Almighty for showering his infinite blessing throughout my life. I extend my sincere thanks especially to Mr. **Abdul** **Khader,** Head of Department for his co- operation and full support .

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**COMPUTER ENGINEERING [2021- 2022]**

**CONTENTS**

1. INTRODUCTION

2. SYSTEM DESIGNING

3. DATA FLOW DIAGRAM

4. CODING

1. TECHNOLOGY FRAME WORKS
2. IMPLEMENTATION
3. SCOPE OF PROJECT
4. CONCLUSION
5. REFERENCE

**INTRODUCTION**

The Torrent downloader can be used to reduce the server and network

impact of distributing large files. Rather than downloading a file from a

single source server, the DayLight allows users to join a "swarm" of hosts

to upload and download from each other simultaneously. The DayLight

client enables a user to search for and download torrent files using a built-

in search box in the main window, which instantly downloads the file to

the user’s computer.

DayLight client can be used to download extremely large

torrent files by entering torrent file link. Large torrent files include

movies, games, additional files for games etc requires a torrent client to

download. Daylight torrent downloader is built using HTML and CSS as

front-end and Node JS as backend.

**SYSTEM DESIGNING**

**HARDWARE REQUIRMENTS :**

Process – Intel Core i5

Hard Disk -256GB(SSD Recommanded)

RAM - 4GB

**SOFTWARE REQUIRMENTS :**

Operating system – windows

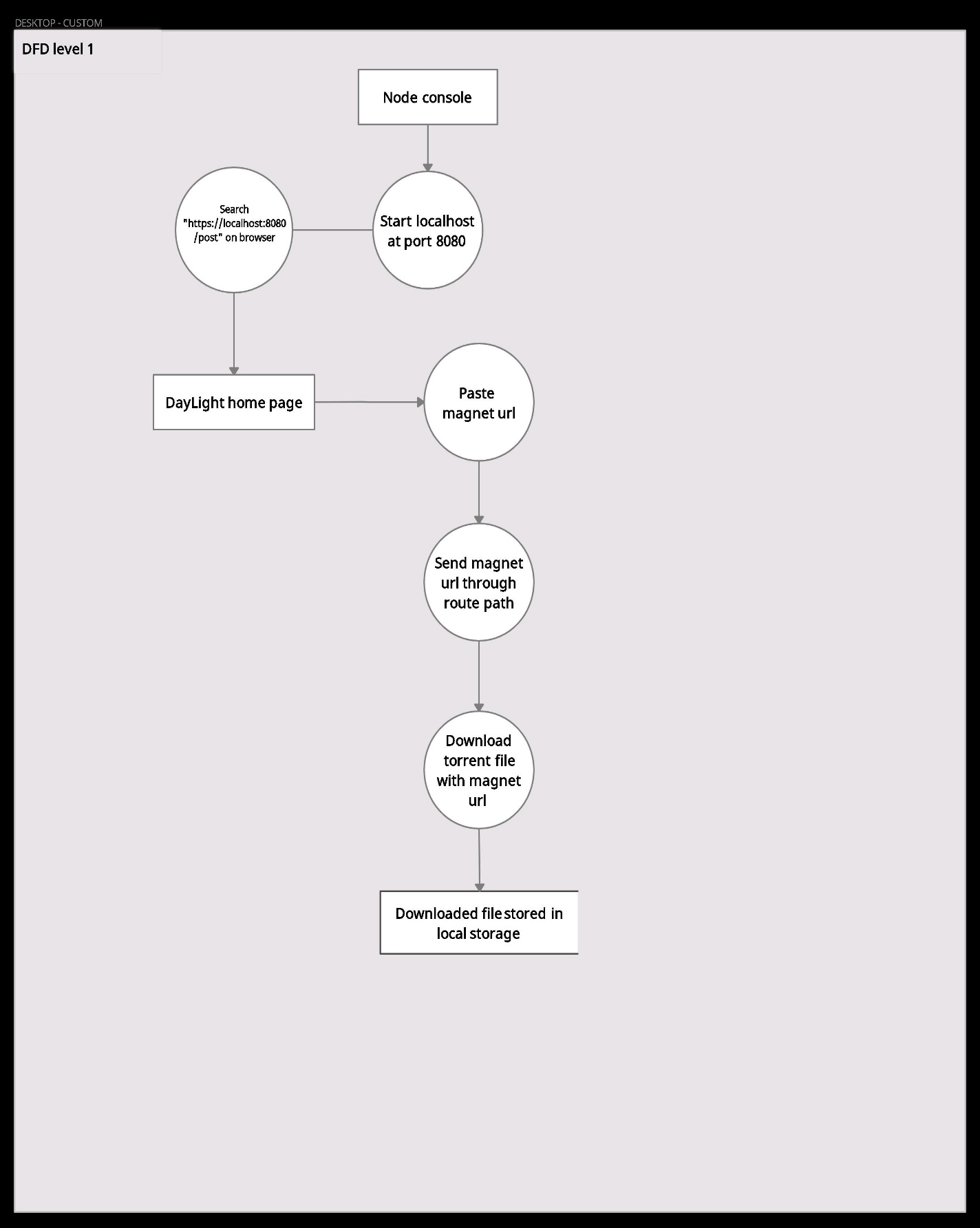
Sofrware Tools – Node js,command

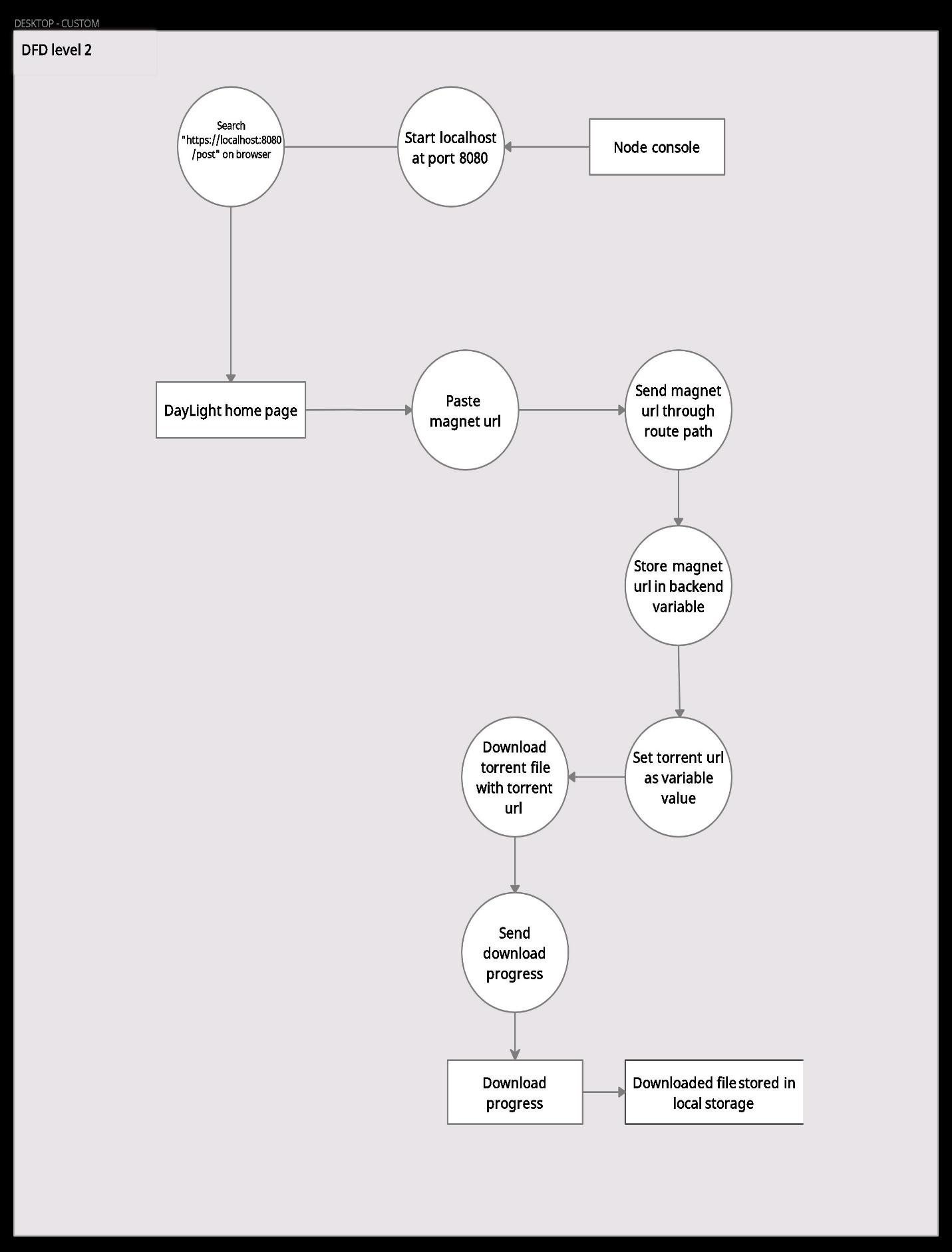
Prompt, GitHub,

Html

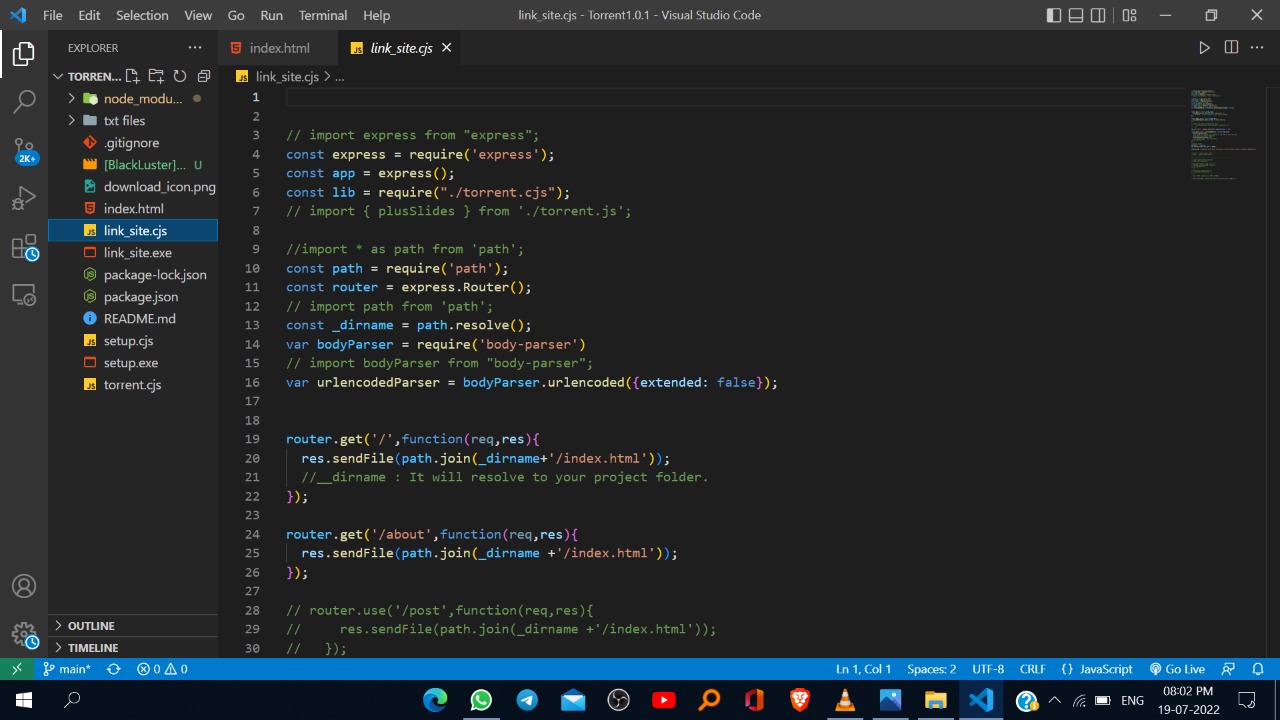
Programming language – Java script

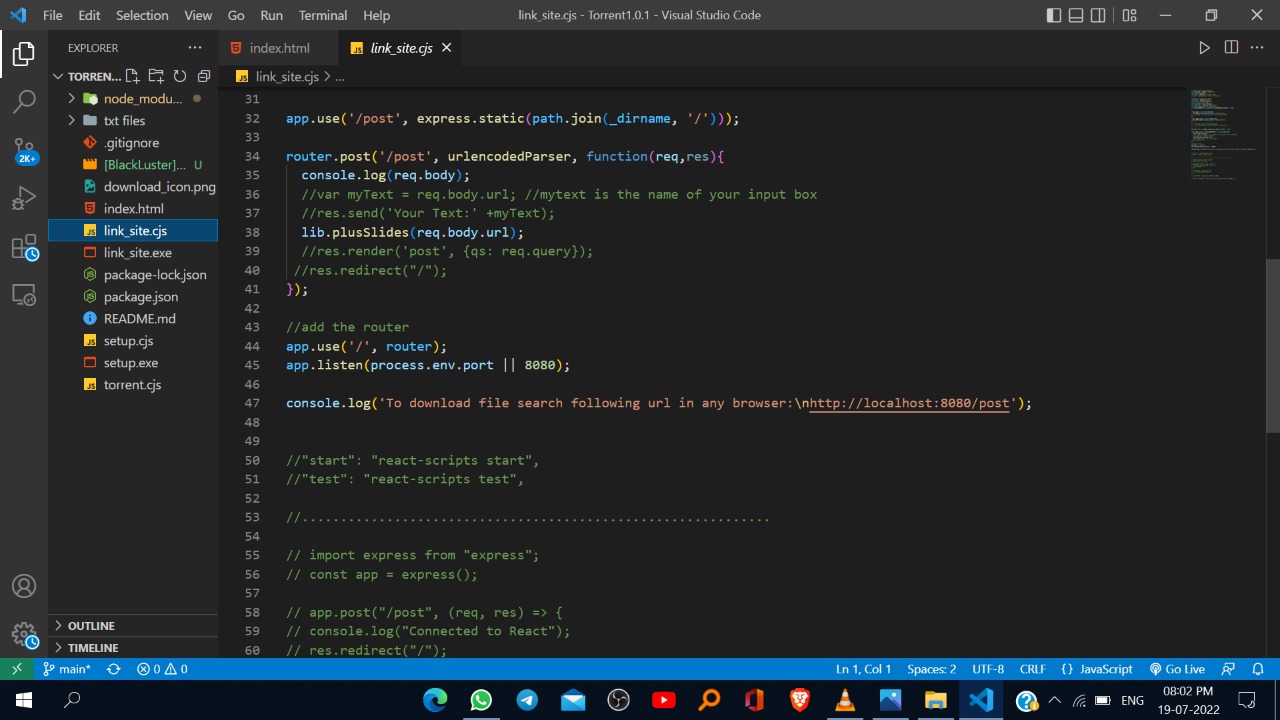
**DATA FLOW DIAGRAM**

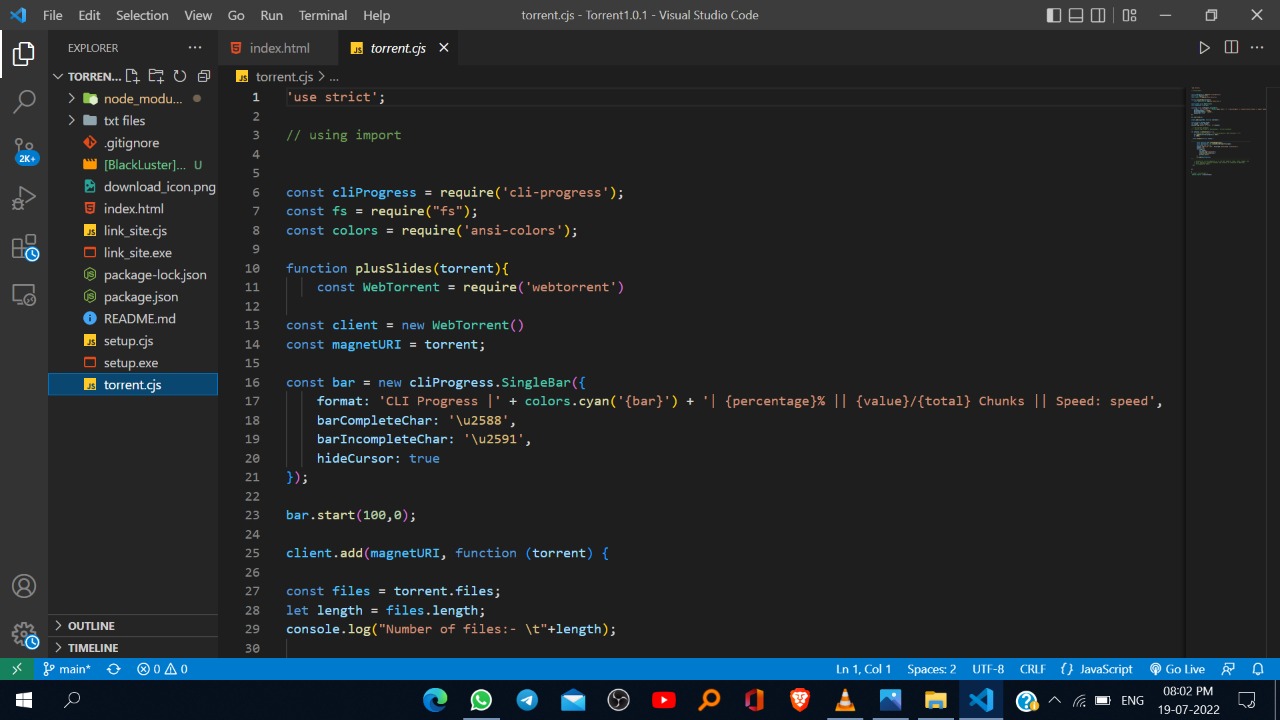


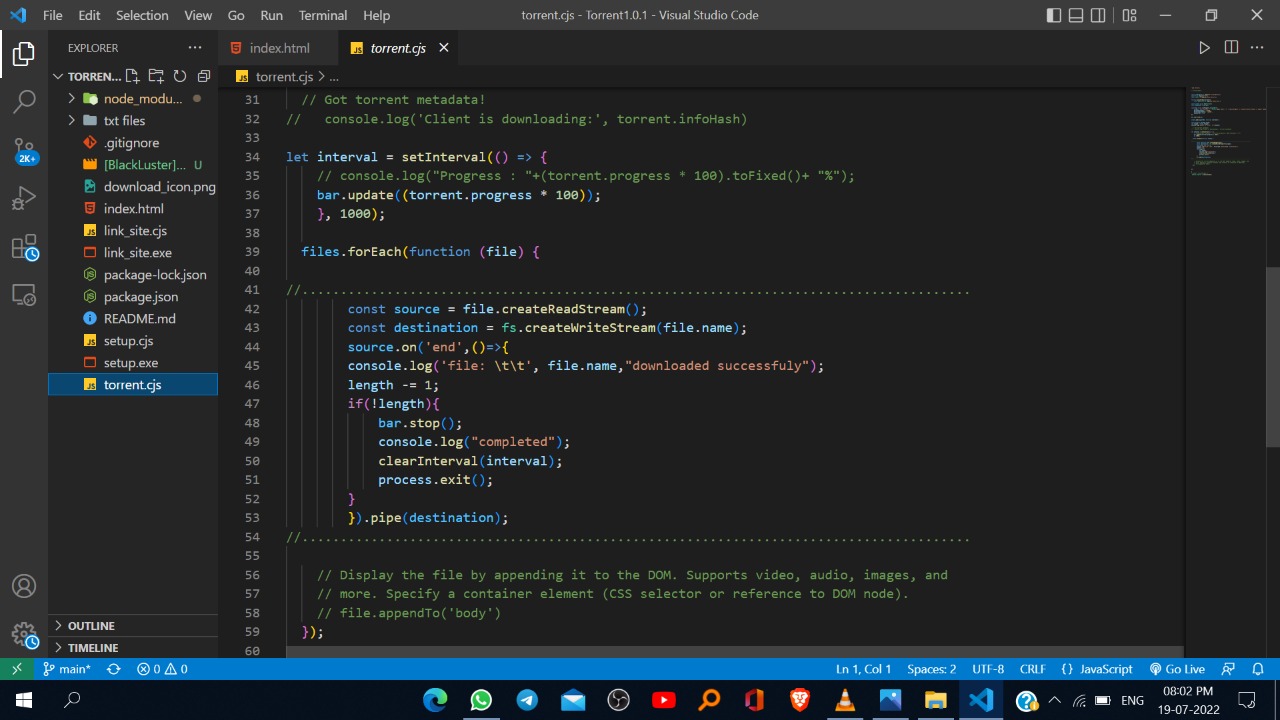


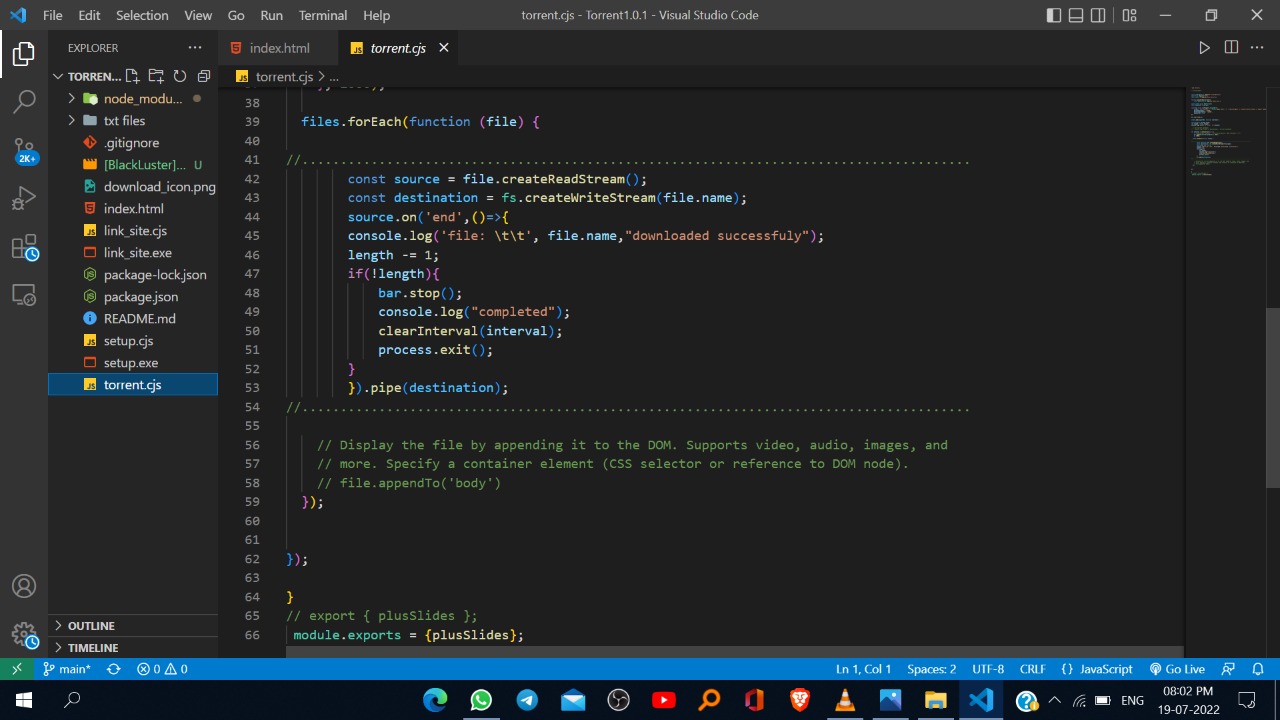
**CODING**

Link\_site.cjs

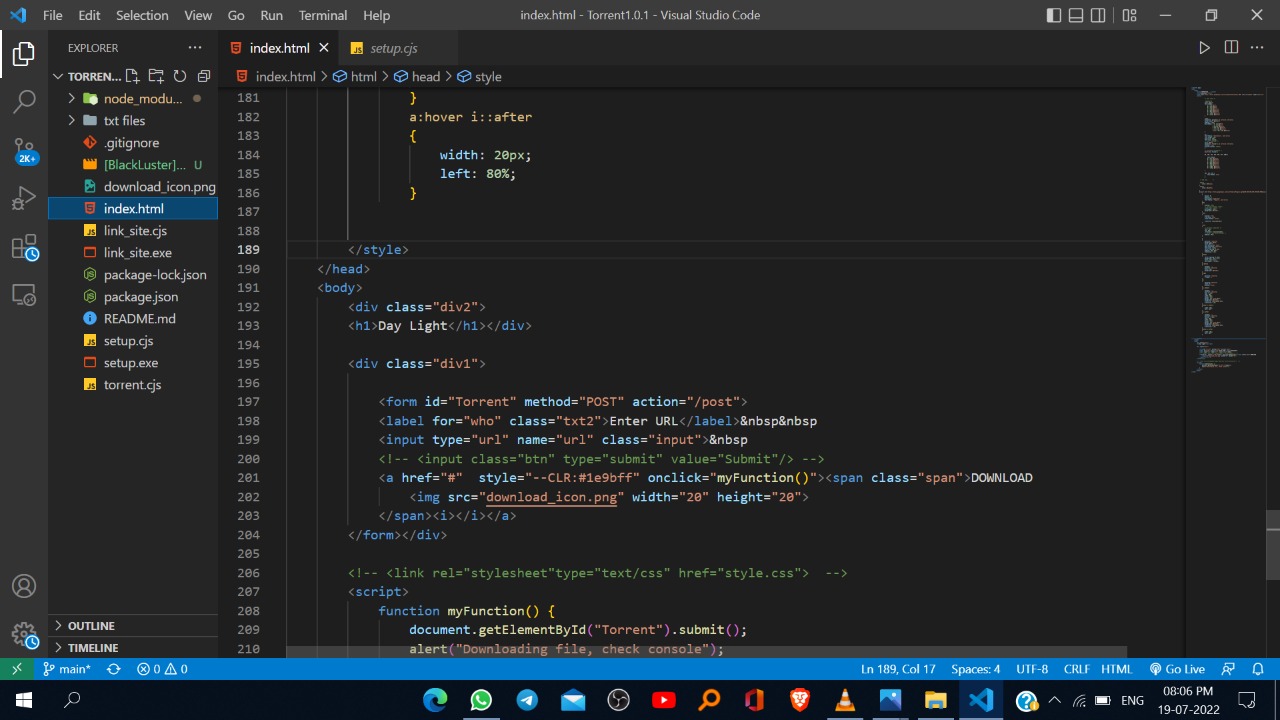


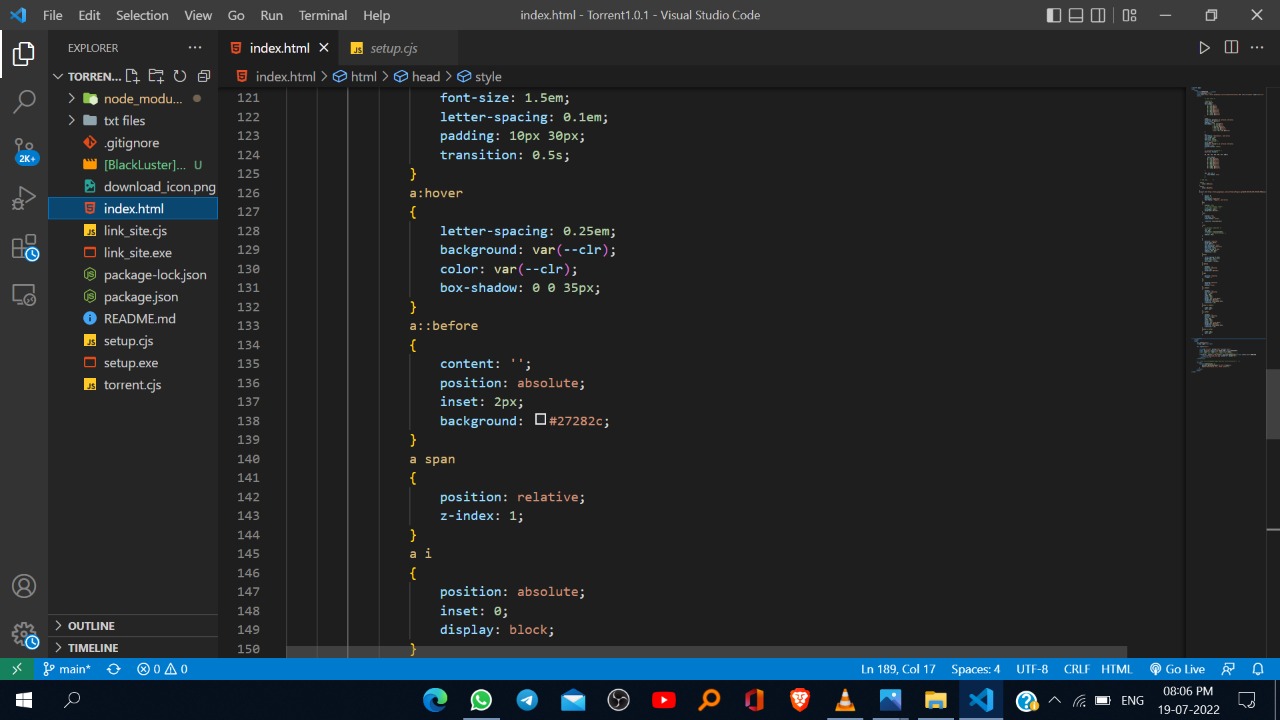
Torrent .cjs

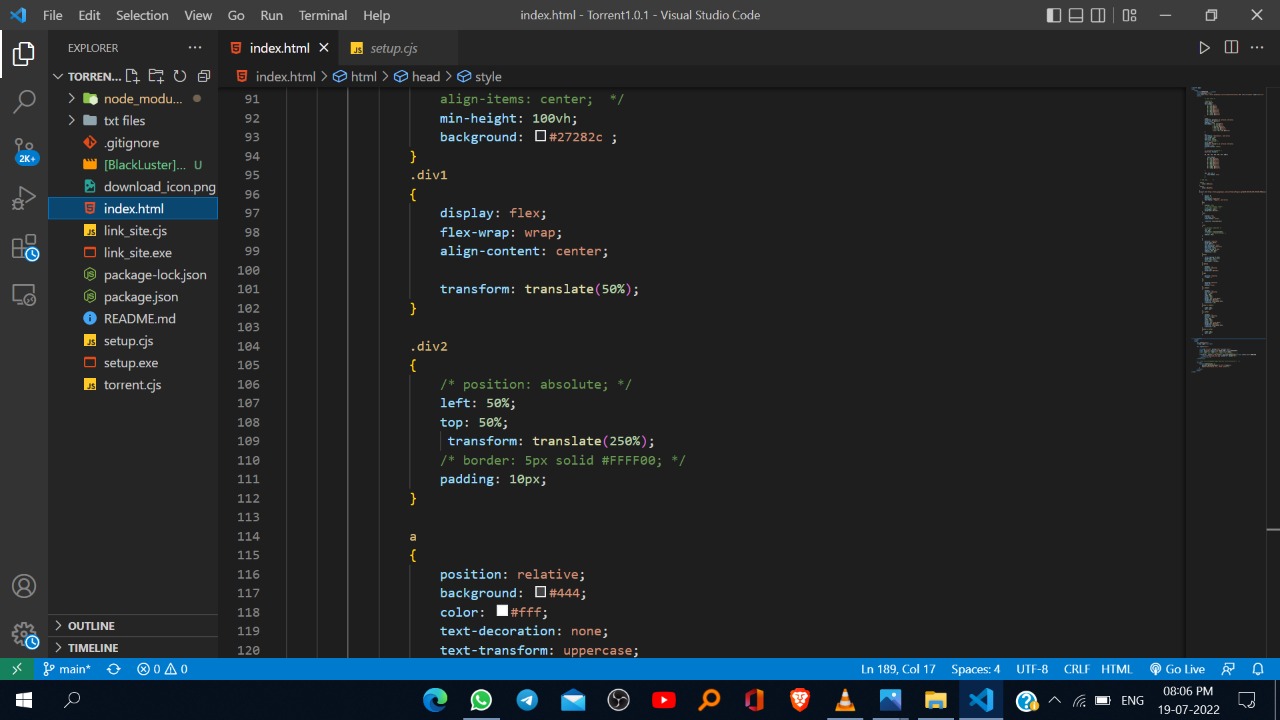




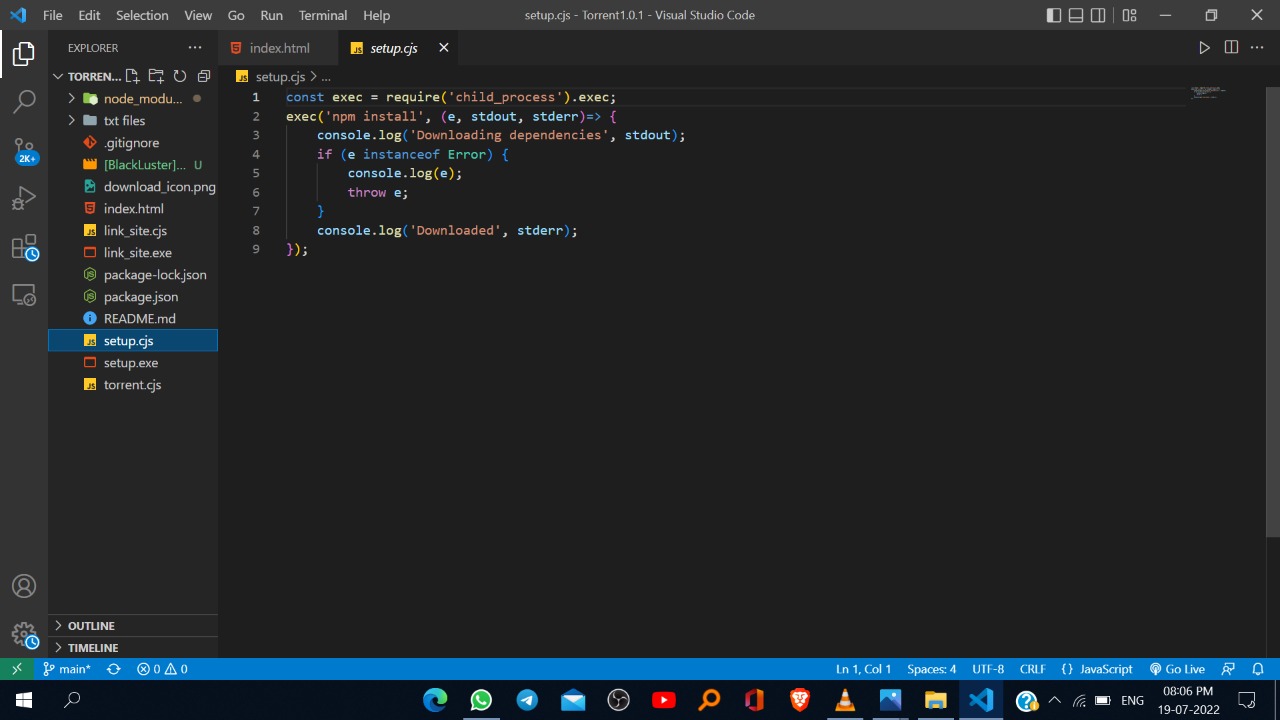
Index.html







**Setup.cjs**

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### Technology Frame works :

GitHub:

GitHub is a code hosting platform for version control

and collaboration. It lets you and others work together on to

the projects from anywhere. GitHub is an highly popularlly

program resource used for code sharing. It is the most Of the

prominent source code host with over 60 million new

repositories created in 2020.



Node js :

Node. Js (Node) is an open source of the development

platform for executing JavaScript code to server-side. Node is useful for developing

applications that require a persistent connection from the browser to the server and

is often used for real-time applications as chat, news feeds and web push to the notifications. Node.

****

Html :

HyperText Mark up Language (HTML) is the set of mark up symbols or codes

inserted into a file intended for display on the Internet. The mark up tells web

browsers how to display a web page’s words and images.

Each individual piece mark up code (which would fall

between “<” and “>” characters) is referred to as an element

element, though many people also refer to it as a tag. Some

elements come in pairs that indicate when some display effect

is to begin and when it is to end.

**CODE REVIEW AND TESTING**

* Code Review, also known as Peer Code Review, is the act between

the consciously and systematically convening with one’s fellow of

programmers to check each other’s code for mistakes and have to

been repeatedly shown to accelerate and streamline the process of software development like few other practices can. There are peer code review tools and software, but the concept itself is important to understand. Software is written by human beings. Software is therefore often riddled with mistakes.

* Software testing is the process of evaluating and verifying the software product or application does what it is supposed to do. The benefits of testing include preventing bugs, reducing development costs and improving performance.

**IMPLEMENTATION**

The Torrent downloader specification is free to use and many

clients are open source, so the BitTorrent clients have been

created for all the common operating systems using a variety

of the programming languages. The official BitTorrent client,

μTorrent, qBittorrent. Transmission, Vase, and BitComet are

some of the most popular clients.

For example, this can be used to been centralize

file sharing on a single dedicated to server which users

share access to on the network network. Server-oriented

Torrent downloader implementations can also be hosted by

hosting the providers at co-located facilities with the high

bandwidth Internet connectivity (eg, datacentre) which can

provide dramatic speed benefits over using BitTorrent from a

regular home broadband connection.

**SCOPE OF THE PROJECT**

**An innovative torrent program to search for the torrents and**

**downloading into your default computer system.**

**Functionality:**

**• Search by multiple trackers and result grouping.**

**• Creating a server for instant playback media files with VLC**

**CONCLUSION**

In this paper we have presented detailed study and analysis

of torrent downloader. We Believe that this study is the

contribution of ongoing effort to gain insight into the

behaviour of widely used peer to peer system. In order to

share our findings we have all published our raw data files.

One of the big advantage of this project is high level

integrity of both content a and the meta data due to the

working of global components.

### REFERENCE

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* <https://www.w3schools.com/css>
* <https://expressjs.com/en/starter/static-files.html>
* <https://www.npmjs.com/package/webtorrent-fix>