

Date : 14 - 07 - 2020

Morning Session : 9 am – 11.00 PM

By ~ Sundeeep Charan Ramkumar Today

Topics: MTube Project Plan

MyTube Project Plan (Nightingale)

Day 01

- Setup Google Tokens
- Requirement Analysis
 - Google Login
 - Trending Videos
 - Search Videos
 - Create Playlists
 - Profile
 - Logout
- Fetch for API
- localStorage
- Explore YouTube APIs
 - Trending

Setup google Tokens:

<https://developers.google.com/youtube/v3/getting-started>

Create a project:

<https://console.developers.google.com/>

Dashboard

 To view this page, select a project.

[CREATE PROJECT](#)

Project name * ?

Project ID: mtube-283309. It cannot be changed later. [EDIT](#)

Location * [BROWSE](#)

Parent organization or folder

CREATE

CANCEL

Obtaining authorization credentials:

https://developers.google.com/youtube/registering_an_application

Credentials [+ CREATE CREDENTIALS](#) [DELETE](#)

Create credentials to access your enabled APIs. [Learn more](#)

⚠ Remember to configure the C

API Keys

<input type="checkbox"/>	Name	Creation
<input type="checkbox"/>	⚠ API key 1	Jul 14,

OAuth 2.0 Client IDs

<input type="checkbox"/>	Name
No OAuth clients to display	

Service Accounts

<input type="checkbox"/>	Email	Name	Usage
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API key created

Use this key in your application by passing it with

Your API key

⚠ Restrict your key to prevent unauthorized use

Requirement Analysis:

- Google Login
- Trending Videos
- Search Videos
- Create Playlists
- Profile
- Logout

Explore YouTube APIs

Trending

<https://developers.google.com/youtube/v3/docs/videos/list> (API Doc)

<https://www.googleapis.com/youtube/v3/videos?part=snippet&key=AlzaSyBYi8bOgYIs-97er6A7iTs fU-oWn6aazUQ&chart=mostPopular&maxResults=30>

Search

<https://developers.google.com/youtube/v3/docs/search/list>

<https://www.googleapis.com/youtube/v3/search?part=snippet&key=AlzaSyBYi8bOgYIs-97er6A7iTs fU-oWn6aazUQ&maxResults=10&q=sachin>

Comments

<https://www.googleapis.com/youtube/v3/commentThreads?part=snippet,replies&videoid=tMbRu3 YkmJo&key=AlzaSyBYi8bOgYIs-97er6A7iTs fU-oWn6aazUQ>

Playlists

<https://www.googleapis.com/youtube/v3/playlists?part=snippet>

Send user token in the header

Create Client Id:

Credentials

[+ CREATE CREDENTIALS](#) [DELETE](#)

Create credentials to access your project's APIs

API Keys

<input type="checkbox"/>	Name
<input type="checkbox"/>	Youtube API Key

API key
Identifies your project using a simple API key to check quota and access

OAuth client ID
Requests user consent so your app can access the user's data

Service account
Enables server-to-server, app-level authentication using robot accounts

Help me choose
Asks a few questions to help you decide which type of credential to use

[←](#)

Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information.

Application type *
Web application ▼

[Learn more](#) about OAuth client types

Name *
mTube Auth

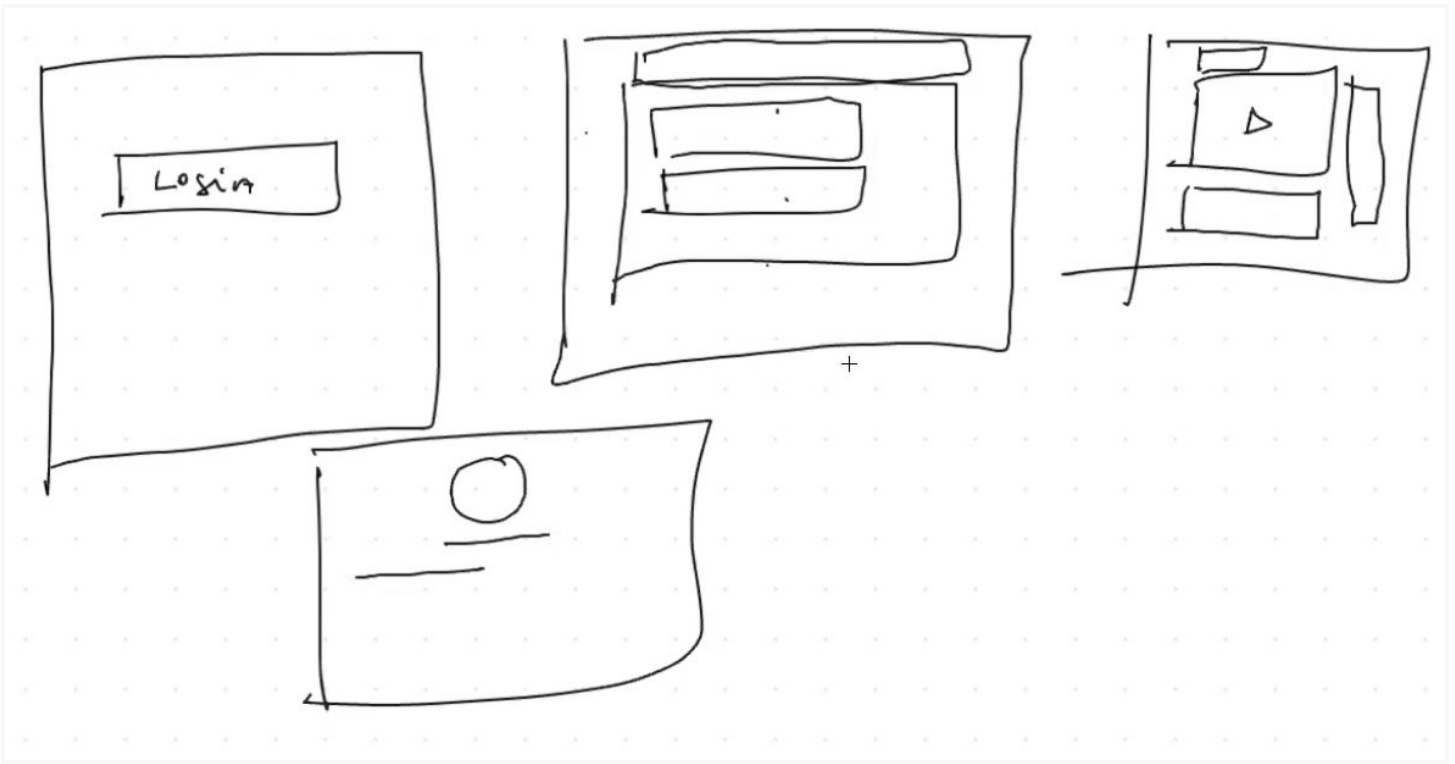
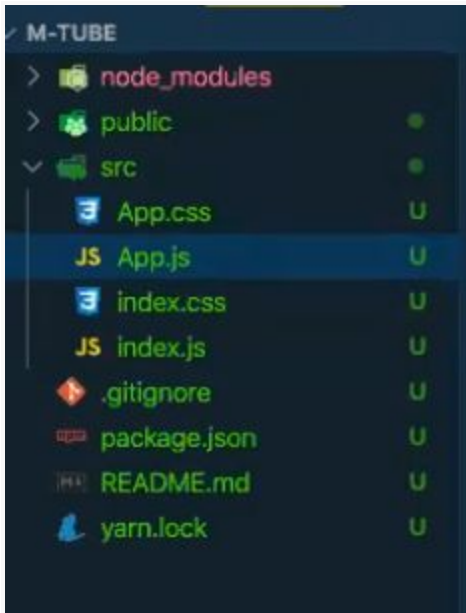
The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

Create Components:

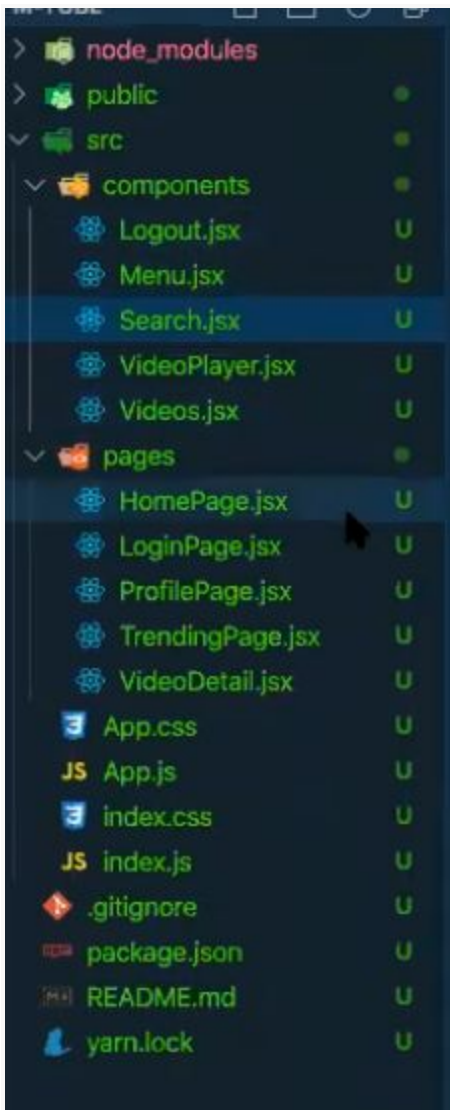
Split entire application in to reusable components

Create config file : 1) api key 2) client id

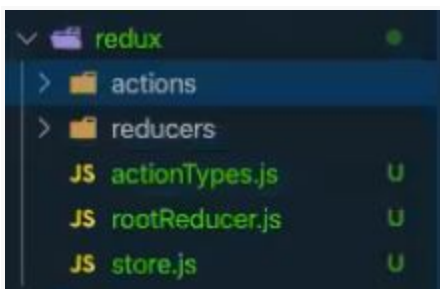
Mtube files:



Components:



Create redux components store and reducers:



Add Required packages (React google login)



To get the detailed data for a video, which query parameter is used

Attempted - 37
(77.08%)

EASY



- | | |
|--|--------|
| <input checked="" type="checkbox"/> part=snippet | 91.89% |
| <input type="checkbox"/> part=replies | 10.81% |

To make sure you get the playlists for a particular user, what header has to be sent?

Attempted - 42
(87.5%)

EASY



- | | |
|--|--------|
| <input checked="" type="checkbox"/> Authorizaion | 38.1% |
| <input type="checkbox"/> x-auth-token | 52.38% |
| <input type="checkbox"/> Bearer | 9.52% |

To get a comment reply for a video, which query parameter would you need?

Attempted - 44
(91.67%)

EASY



- | | |
|--|--------|
| <input type="checkbox"/> part=snippet | 4.55% |
| <input type="checkbox"/> part=region | 13.64% |
| <input checked="" type="checkbox"/> part=replies | 81.82% |

Which of the components we have created would have the Video detail with comments?

⌚ 00:18

Attempted - 43
(89.58%)

EASY



- | | |
|---|--------|
| <input checked="" type="checkbox"/> VideoPlayer | 41.86% |
| <input type="checkbox"/> VideoList | 23.26% |
| <input type="checkbox"/> VideoListItem | 41.86% |

<https://www.youtube.com/watch?v=PaMj9s7g-PQ>

YDKJS and Eloquent Javascript book :

<https://attainu-ramanujan.slack.com/archives/C010HUNDB3K/p1594706940009900>

