DevTube

Information

Features

- **Auth and Integrations**
  - Google Auth Login/Logout
  - Integrate MongoDB/Mongoose
  - Integrate Bunny Stream
  - Integrate Socket.io
  - Integrate ImageKit
  - Integrate Multer
- **Channel**
  - Create Channel
  - Update Channel
  - Check Handel if exist suggest new
  - Get Channel by { Handle, ID, UID}
  - Subscribe/Unsubscribe channel
  - Channel Notification Status
- **Video**
  - Create and Upload Video
  - Edit/Update Video
  - Delete Video
  - Like/Dislike Video
  - Get Video by criteria { channel, lengthGreaterThan, lengthLessThan, privacySettings, category, title, description, sortOrder, isShort , page, limit , tag, searchText, uid, notUid }
  - Get Video Thumbnail
  - Get/Generate Player Link from bunny securely
- **Webhook and Socket**
  - Live Update Upload Statue
  - Update Video status (isShort, length, category, aspect) with Webhook
- **Tags/Hash Tags**
  - Get Video/Shorts From Tags/Hash Tags
- **Comments**
  - Create Comment
  - Like/Dislike Comment]
  - Reply Comment
  - Delete Comment
  - Get Comments
- **Studio Features**
  - Get all video/shorts of channel
  - Edit Video {sub use of update Video}
  - Video Views/Watch Time {sub use of getVideo}

Aayush Chouhan

Technologies / Libraries

- **Frontend**
  - EJS
  - CSS
  - JS
  - Socket.io
  - Tus Js Client
- **Backend**
  - Express js
  - Mongoose
  - Bunny (for video services)
  - Passport
  - Passport Google OAuth
  - Socket.io
  - Axios
  - Bcrypt js
  - ImageKit
  - Multer
  - Dotenv

Aayush Chouhan

Functions

- **Middleware Functions**
  - Check DB Connection
  - Check Channel {is channel is created or not}
  - isloggedIn
  - asyncHandler
- **Utils Functions**
  - getTimestamp {get Timestamp from Date}
  - generateID {generate unique id for channel and video UID }
  - formatNumber {give big no in K and M}
  - generateSignature {generate a signature for BunnyCDN}
  - createUniqueHandle{create unique handle for channel}

Aayush Chouhan

Refined code with GT - July 21, 2004

Video Platform essentials

Video Platform Features

Includes features like authentication, channel management, video creation, comments, and studio functionalities.

Covers integrations with various services like Google Auth, MongoDB, Bunny Stream, Socket.io, ImageKit, and Multer.

Provides capabilities for video management, tagging, comments, and studio operations.

Technologies and Libraries

Utilizes technologies such as EJS, CSS, JS, Express.js, Mongoose, Bunny, Passport, Axios, Bcrypt, and Socket.io.

Libraries like Tus Js Client, Passport Google OAuth, and Dotenv are also employed for frontend and backend operations.

Functions for Middleware and Utilities

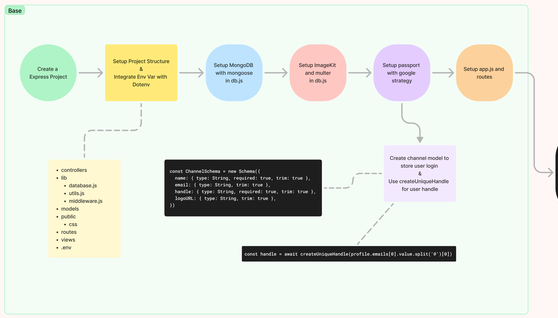
Middleware functions ensure proper database connection, channel existence, user authentication, and error handling.

Utility functions include timestamp retrieval, unique ID generation, number formatting, signature creation, and handle generation for channels.

Copy Link

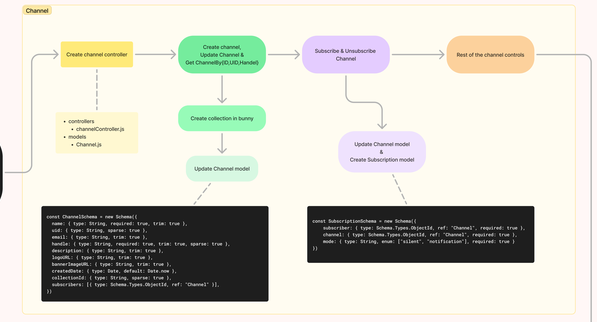
Flowchart

Base

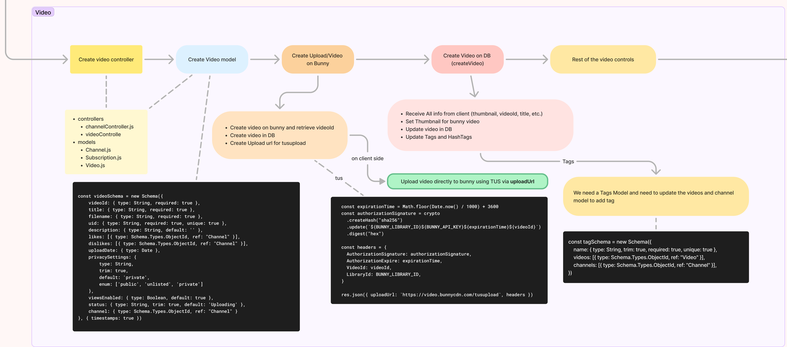


Setup Bunny

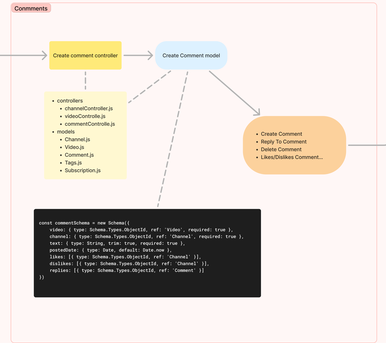
Channel



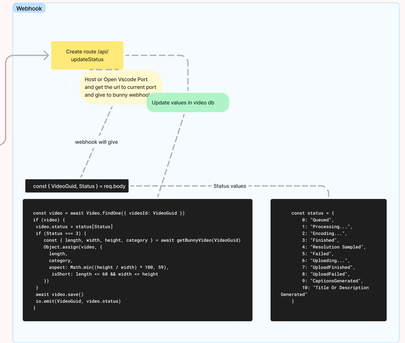
Video



Comments



Webhook



Routes