Blog Project

A simple blog application is created with the help of Node.js and express. The database chosen for the project is MongoDB due to its flexible schema and faster write times. The blog application has core functionalities including:

- User Login, Signup
- Email verification
- Forgot password functionality
- Change Password Functionality
- Adding a Blog
- Updating a Blog
- Deleting a Blog
- Getting the blogs
- Getting details about a blog
- Getting most liked blogs
- Searching a blog
- Liking or disliking a blog
- Get Unapproved Blogs
- Approve or Reject Blogs

Database Design

Blog Schema

Title: Title of the blog

Thumbnail: URL of the thumbnail image

Image : URL of the image that’s present in the blog

Content: The main textual content of the blog

By: Referenced to the id of the user who created the blog

Like: Number of likes the Blog has received

Dislike: Number of dislikes the blog has received

timeAt: The time at which blog is created

status : 2 for new 1 for approved 0 for declined

User Schema

Email: Email id of the user

Password: The hashed password of the user

isVerified: To check whether user has verified his email or not

firstName: The first name of the user

lastName: Last Name of the user

admin : To check whether user is admin

liked: Array of Object ids of the post he has already liked or disliked so he cannot like the same post again and again

Comment Schema

Blog: Reference to Id of the blog which the comment has been attributed to

User: Reference to Id of the user who has made the comment

Comment: The actual text of the comment

timeAt : The time at which the comment has been created

Forgot Password Schema

Email : Email id for which OTP has been sent

Otp: The otp that has been sent

userId: Reference of Id of the user who has requested the forgot password

expiry: The expiry date of the otp

timeAt: The time at which OTP has been requested

Future Scope

- Like, Dislike and replies to comments can be added
- As of now a static url for image Is used but multer middleware can be used and images could be stored on a cloud bucket
- A markdown language can be implemented on frontend and thus the content can be stored in html
- Admin functionality can be improvised by comment filers and user data analytics
- Site analytics like visitor count etc. can be tracked