

**A Thesis/Project/Dissertation Report**

on

**XMeme – A Web Based Meme Listing Service**

*Submitted in partial fulfillment of the  
requirement for the award of the degree of*

**BTECH-CSE**



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

**Under The Supervision of  
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DEC, 2021**



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**CANDIDATE'S DECLARATION**

I/We hereby certify that the work which is being presented in the thesis/project/dissertation, entitled **“XMeme – A web based meme listing service.”** in partial fulfillment of the requirements for the award of the B.Tech\_submitted in the School of Computing Science and Engineering of Galgotias University, Greater Noida, is an original work carried out during the period of month, Year to Month and Year, under the supervision of Mr. E. Goutham, Assistant Professor, Department of Computer Science and Engineering/Computer Application and Information and Science, of School of Computing Science and Engineering , Galgotias University, Greater Noida .

The matter presented in the thesis/project/dissertation has not been submitted by me/us for the award of any other degree of this or any other places.

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This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Mr. Goutham. E

Assistant Professor

**CERTIFICATE**

The Final Thesis/Project/ Dissertation Viva-Voce examination of Abhinav Kumar(19SCSE1010046) and ArchitGupta(19SCSE1010042) has been held on \_\_\_\_\_ and his work is recommended for the award of Btech.

**Signature of Examiner(s)**

**Signature of Supervisor(s)**

**Signature of Project Coordinator**

**Signature of Dean**

Date: 22 December, 2021

Place: Greater Noida

## Abstract

A Meme Stream Page where users can post memes by providing their name, a caption for the meme and the URL for the meme image as input. The page should retrieve and display the latest 100 posted Memes (names + meme images + caption). Note that the caption will appear above the image in the display and will not appear on the meme image. This is not a meme generator, but a simple app to pull created memes using their URL and listing them on this page with the user's name and caption. These are the mandatory product flows that are expected in the app-

1. Users will post Memes by providing these inputs
  - o Name of the person posting the meme
  - o Caption for the Meme
  - o URL of the Meme image
2. Users will view the latest 100 memes posted (it can be on the same page or on a separate page). If they post a new meme, that should also get listed.

Note that these submitted memes will be shown one below the other. Each meme should display the name of the meme maker, the caption for the meme and the image pulled from the meme URL. The technology stack and tools/languages that we have planned to use are as follows: JavaScript, React, Nodejs, MongoDB, VS Code, Git and Github. This is a Meme Stream Page where users can post memes by providing their name, a caption for the meme and the URL for the meme image as input. The page should retrieve and display the latest 100 posted Memes (names + meme images + caption + timestamp (when it is created)).

Note: The caption will appear above the image in the display and will not appear on the meme image. This is not a meme generator, but a simple app to pull created memes using their URL and listing them on this page with the user's name and caption. Built With, HTML, CSS, Bootstrap4 and JS.

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## Acronyms

URL	Uniform Resource Locator
Html	Hyper text markup language
Js	Java Script
Css	Cascading Style sheet
VS	Visual Studio

# CHAPTER-1

## 1.1 Introduction

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Built With  
HTML  
CSS  
Bootstrap4  
JS



## **1.2 Problem Formulation**

The need of good quality memes is in huge demand despite the apparently infinite supply of memes on various social media websites. This is because in many cases the good creators are being overshadowed by popular meme creators and they should get a platform of their own.

Thus, our problem statement is:-Meme creators and consumers are in a need of a platform where not “anyone” can post their content without a prior quality check. As a solution for the same, we propose a web listing (named XMeme) where creators can share their memes which will be checked for quality and only after that be listed on the website.

### **1.2.1 TOOLS USED**

- Node.js – for setting up a server.
- React–for creating client-side web application.  
MongoDB – as a NoSQL Database.
- Git and Github – for version-control.
- VSCode – as an IDE

### **MERITS OF PROPOSED SYSTEM**

- XMeme is a platform where you can find and share good memes.
- Ease of use.
- Limited memes, unlike all the major social media platforms.

## CHAPTER-2

### Literature Survey

In modern world, meme is an influential concept in entertainment context as well as how we nowadays share most of our information.

- However, what's even more important is: GOOD MEMES.
- In age of social media, we already have a lot of platforms for sharing memes.
- However, the huge quantity of memes pose a serious threat on quality of memes.
- The reason for this is that good and “dank” meme creators are being overshadowed by “popular” and “normie” meme creators.
- So we propose XMeme – a web based meme listing service.
- We plan to allow only selected creators to post their memes on this portal, hence ensuring the quality of content.
- Thus, we believe XMeme can be a viable solution for this problem.

We plan to allow only selected creators to post their memes on this portal, hence ensuring the quality of content. Thus, we believe XMeme can be a viable solution for this problem.

Borzsei,L.K. (2013), in his study discusses about the historical backdrop of the Internet image as a bit of substance which is spreading on the web from user to user and changing en route from the 1980s to the mid-2010s.

Shifman,L.(2013). In his exploration he discusses the paper which rethinks the idea of "image" with regards to computerized culture and sub-culture.

## Chapter 3

### Functionality/Working of Project

We have Implemented the project using many web languages, front end part of the project is done by using html, css, javascript and bootstrap. And the backend part is done by using the react, js, mongo db etc. We have added a dark mode toggle in the project using javascript. Then for the rest API framework we have used swagger API. The basic functionalities of the project are the search bar to search memes by the name of the owner or by the keywords of the meme also it fetches the data for that string even if we use Capital letters. It will automatically convert the application is fully responsive in every mode i.e Mobile, Tablet as well as Laptop then its other functionalities create meme which gives a drop down to add about the meme and meme owner. When we click submit it makes a post request then the post is successfully list on the web also suppose if we give some random value in url then it will give us some error and if we give a same url we already used then it gives duplication data error. All the responsive request like post meme ,create meme,edit meme,delete meme get request these all request are made by using java script the apis are made using django rest framework(get,post,head

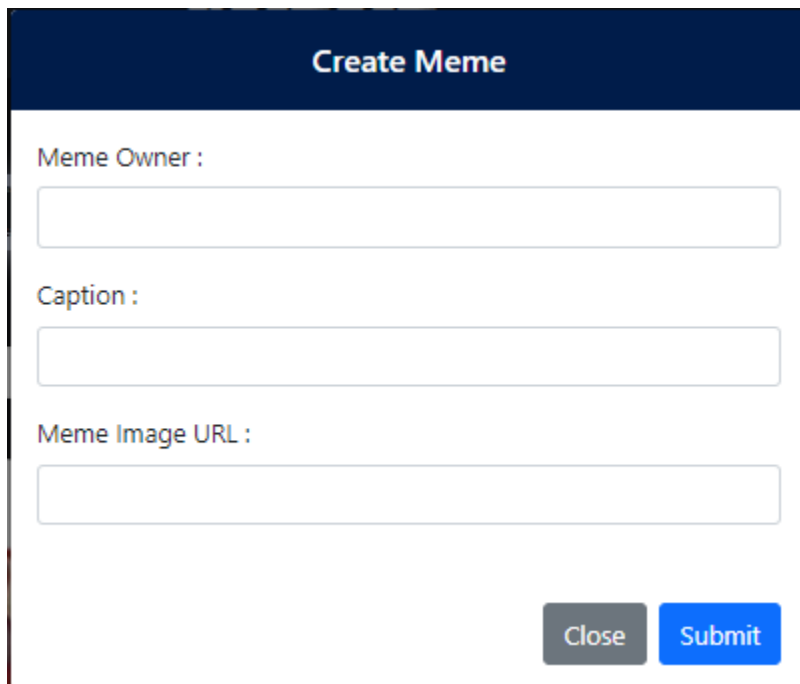
options etc) and this all Implementation work we did is in visual studio code editor and we used some extra extensions like html live server etc.

## Chapter 4

### Results and Discussions

After Implementing the project we have received these outputs, so for every functionality there is a output image attached.

#### CREATE PAGE



The image shows a web form titled "Create Meme" with a dark blue header. The form contains three input fields: "Meme Owner :", "Caption :", and "Meme Image URL :". At the bottom right, there are two buttons: "Close" (grey) and "Submit" (blue).

**Fig1.1**

## LIGHT MODE

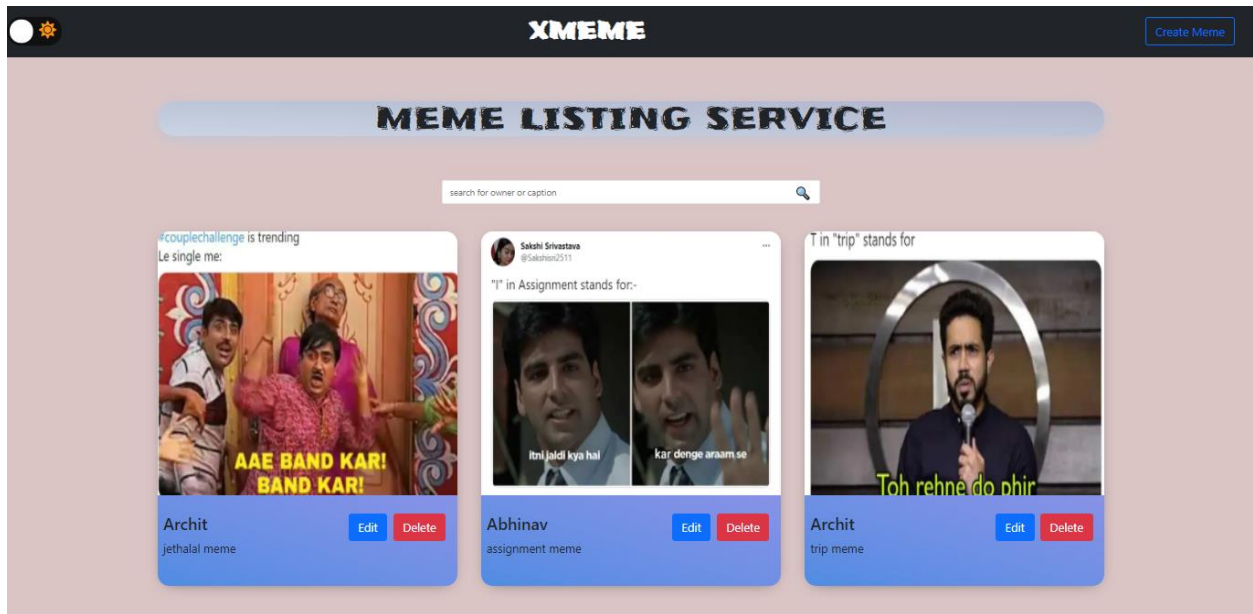


Fig1.2

## DARK MODE

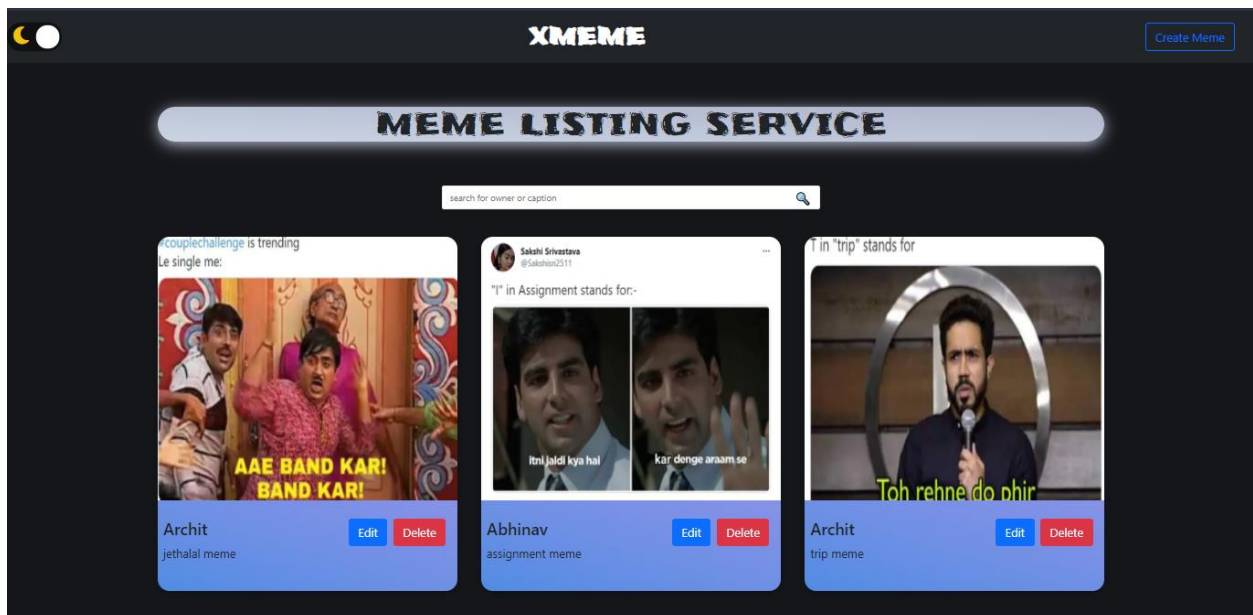
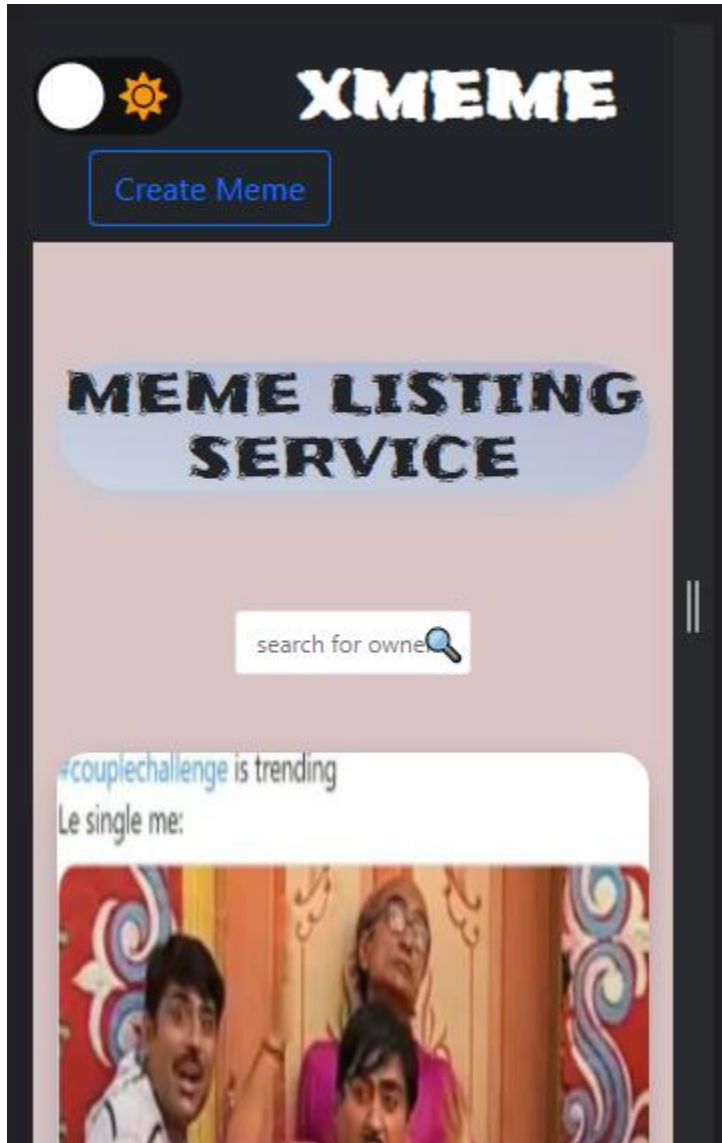


Fig1.3



## MOBILE VIEW



**Fig1.4**

# ARCHITECTURE DIAGRAM

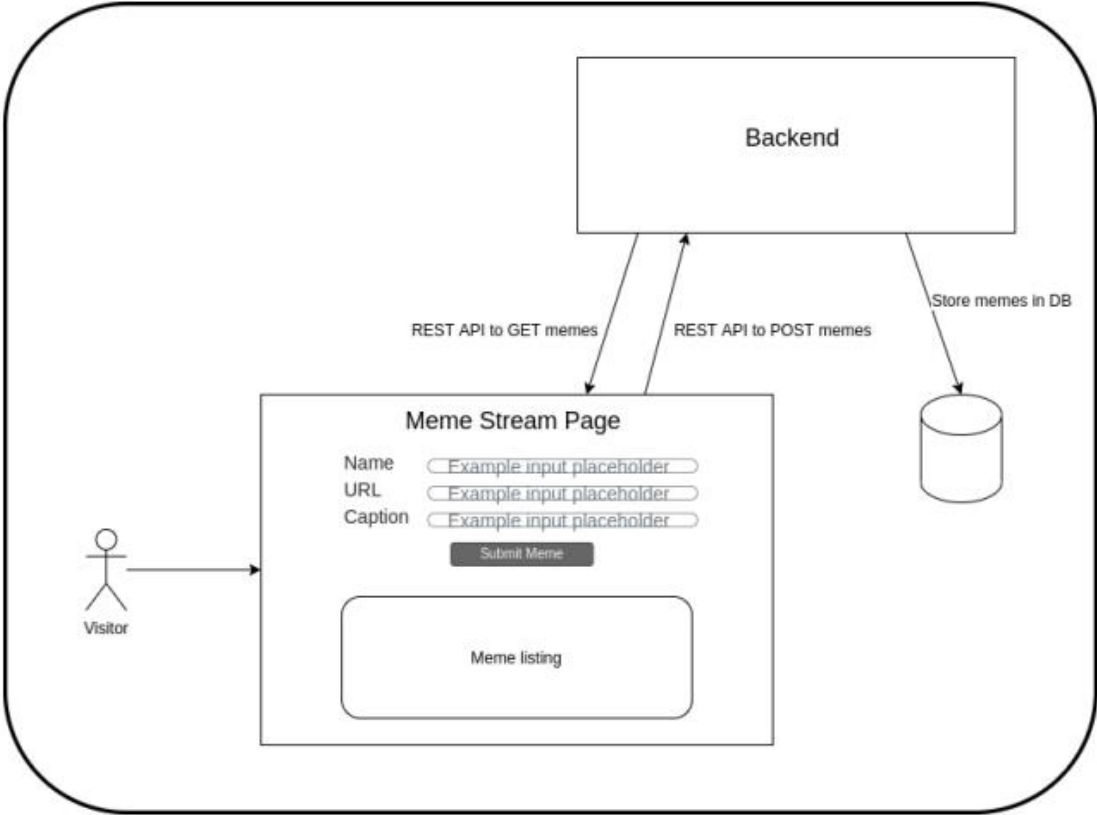
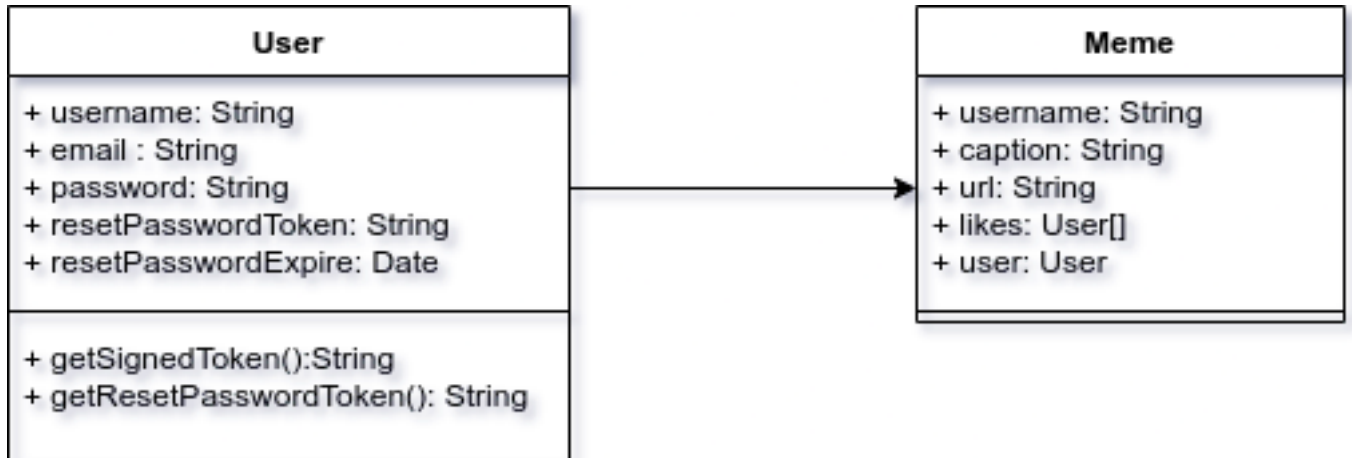


Fig 1.5

## UML DIAGRAM



**Fig 1.6**

## Chapter 5

### Conclusion

Memes have infiltrated popular culture, and the internet has facilitated the dissemination of cultural information. While online memes have become useful tools for communication and expression, we should be aware of memes' negative psychological repercussions. Memes' purpose is to spread selfishly no matter what the cost is. The manner in which this knowledge is disseminated ignores the potential danger that certain memes bring to their hosts and other communities. Because the internet is so large, we may feel as if we are drowning in a sea of information, where memes are ready to infect and take over our thoughts like an illness or virus. To stop dangerous memes from spreading, we must first understand what memes are and how they affect all aspects of our life and the lives of others. Memes are omnipresent, and they control a lot of what we believe and know, whether it's political, emotional, educational, or entertaining.

1. Users will post Memes by providing these inputs-
  - o Name of the person posting the meme
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  - o URL of the Meme image
2. Users will view the latest 100 memes posted (it can be on the same page or on a separate page).If they post a new meme, that should also get listed.

As a result, we recommend our app as a superior alternative. We can not only tackle the problem of terrible memes, but we can also provide opportunities for new talent to develop and make our country proud.

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