PROJECT PROPOSAL

Toofan Express

News that will take you by storm

Web Programming and Framework 1 – Final Project

by

Team Members

Name	N Number
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Project Description

We aim to create a news web app using Node, Express, MongoDB, and all the necessary tools to provide a category-based reading experience to users, such that it is easy for them to follow specific topics.

Some of the project features are:

1. Interest based news feed selected by the user
2. Publisher login and dashboard
3. Able to perform the addition, deletion, or updation of articles from Publisher
4. Using pagination to optimize the web page for mobile users
5. Search articles by description or headline
6. Sort the articles by newest or the oldest

Dataset Selection

We have selected "news category data" uploaded on Kaggle.com by Rishabh Misra. A link to the original dataset can be found here: https://www.kaggle.com/datasets/rmisra/news-category-dataset?resource=download

This dataset has the following schema

category	headline	authors	link	short_description	date

The category dataset has many categories such as:

- **POLITICS**: 35602
- **WELLNESS**: 17945
- **ENTERTAINMENT**: 17362
- **TRAVEL**: 9900
- **STYLE & BEAUTY**: 9814
- **PARENTING**: 8791
- **HEALTHY LIVING**: 6694
- **QUEER VOICES**: 6347
- **FOOD & DRINK**: 6340
- **BUSINESS**: 5992
- **COMEDY**: 5400
- **SPORTS**: 5077
- **BLACK VOICES**: 4583
- **HOME & LIVING**: 4320
- **PARENTS**: 3955

This data can be used to display the news articles separated by categories.

Task Distribution

The Project is divided based on the MVC architecture

Team member	Responsibility
Ayush Thakur	UI Design and Front-end functionalities
Manas Pandya	Middle-wear and API endpoints
Vivek Chalodiya	Database integration and data manipulation

These are the features each team member is going to implement

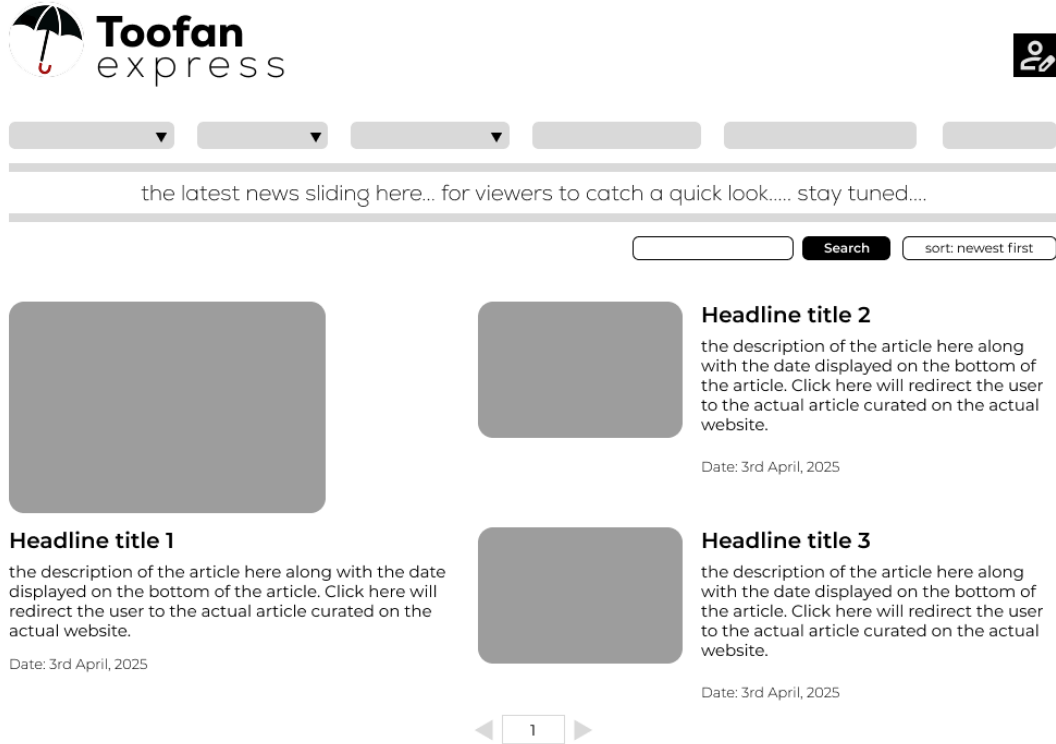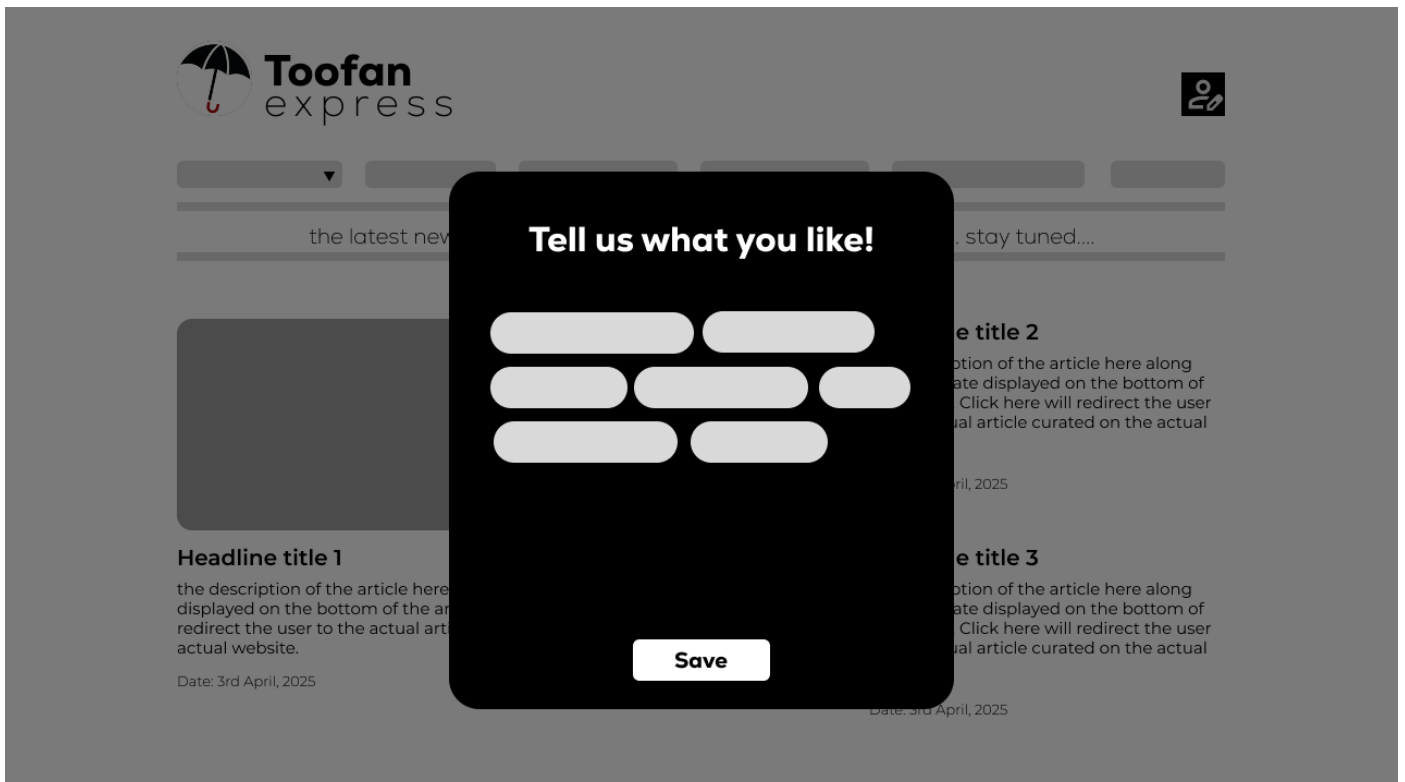| Team member	Responsibility
Ayush Thakur	1. Publisher Login and Dashboard 2. Able to perform the addition, deletion, or updation of articles from Publisher
Manas Pandya	1. Search articles by description or headline 2. Sort the articles by newest or the oldest
Vivek Chalodiya	1. Interest based news feed selected by the user 2. Using pagination to optimize the web page for mobile users

Link to the GitHub repository
https://github.com/ayush-thakur-exe/toofan-express

Wireframes

Created using Figma

Home page

Customized User feed

Toofan
e x p r e s s

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the latest news sliding here... for viewers to catch a quick look..... stay tuned....

Headline title 1

Date: 3rd April, 2025
By Author Writer

the description of the article here along with the date displayed on the bottom of the article. Click here will redirect the user to the actual article curated on the actual website.

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