Database Management System Project

Crowd Funding System

- Documentation

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Abstract:

The digital era has made raising funds for any business idea, non-profit cause, or personal needs easier with the use of online crowdfunding platforms. To date, people have raised more than $34 billion worldwide using these platforms. Whatever may be the reason for raising money, there is a crowdfunding site. But the problem is that there may be spams on the name of fundraising. Another main problem is the existence of separate crowdfunding sites for separate things like project, start up and so on. We make crowdfunding accessible for all by providing one stop website including all possible categories (user defined categories too). This platform will have easy-to-use tools that provide a smooth experience for both fundraisers and their supporters. We will be verifying the profiles and post of the fund raisers so that to avoid scams. We enable anyone across India to raise funds for medical, environmental, educational, memorial, animal welfare, sports, community causes and more. This platform will help NGO's, various start-ups and other individuals to raise money from the people who are willing to contribute to the society. Apart from these use cases, this platform might be extended to specific institutions like colleges where clubs, NSS units and associations could be benefited from it.

Introduction:

Crowdfunding harnesses the power of social networks and the internet to give people the means to raise funds, help others overcome hardship, and meet aspirational goals. The core principle behind the crowdfunding definition is that you can help a friend or help an entire community. You can do everything from pay to fulfil a student’s dream of attending college—and so much more.

Pressing financial needs arising out of unprecedented emergencies can almost always be demanding. So we provide a platform to get the financial needs of the individuals for medical, education purposes and for start-ups from philanthropist and others who are willing to donate. Since availing a loan for a huge amount from the bank or getting investments from sharks is time consuming one and is not very easy. So we help the people who are in need of fund by providing a means of link with which the can interact with the people who are willing to donate and help the entire society. And we also provide security constraints so that the people

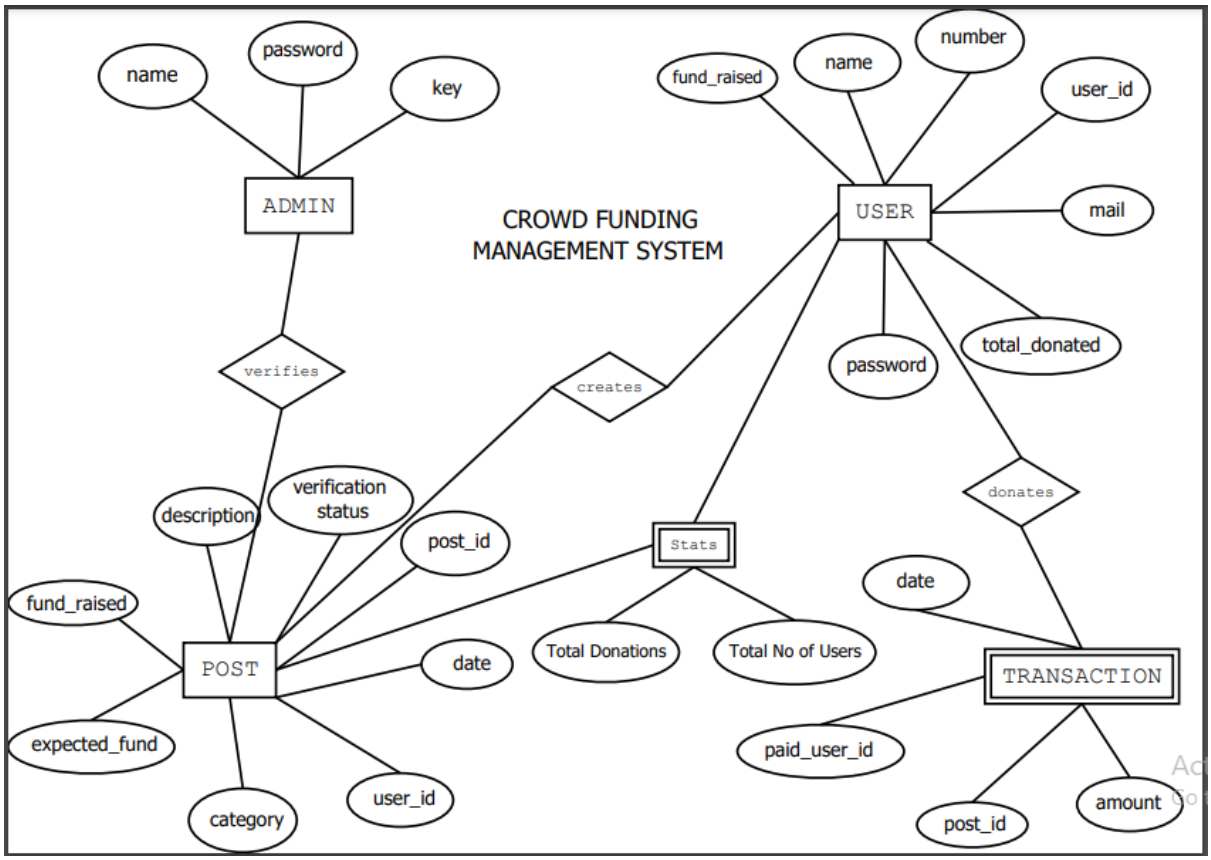
who are donating is ensured that they haven't get into scams due to unverified information. We ensure the each of them signed into our site has been verified using their bank account and personal details. We allow the persons who are in need to raise a fund by advertising in our site. And the one who is willing to donate would be able to read the advertisement posted by them and if the feel to provide the amount they could do so.

By using the power of the online community, it can also be a way of cultivating a community around your offering. It can be a fast way to raise finance with no upfront fees. It enables communication among supporters and campaign organizers. Crowdfunding enables start-ups, small businesses and innovative ideas to get financial backing. It is a great way of raising finance and covering costs for those businesses without access to traditional forms of bank lending or in a difficult economy. It's more efficient than traditional fundraising. It's a place to build traction, social, proof, and validation. Starting up a company is very risky and challenging journey. Besides finding sufficient funding, there are always expenses that are impossible to forecast. Launching a crowdfunding campaign hedges these risks and serves as a valuable learning experience. By having a crowdfunding campaign, the entrepreneur has the ability to engage the crowd and receive fund to improve his/her ideas. Thereby we are making the jobs easy for them.

Advantages:

- There is no application process.
- There are no long wait periods to receive your funds.
- Crowdfunding takes the fear out of asking for financial help. It's simple to share your fundraiser with your network of friends and family members on social media.
- Crowdfunding makes it easy to reach people outside of your network.

ER Diagram:



Database Description:

Database (RDBMS):

MySQL, XAMPP

Tables and Attributes:

Table Name	Attributes
ADMIN	Name Password Key (primary key)
USER	User_id (primary key) Name Password Mail Mobile_number Total_amt_donated Fund_raised
POST	Description Post_id (primary key) User_id(foreign key) Date Verification_status Post_type Expected_fund (check > 0) Fund_raised (check > 0) Min_amt_from_user (check > 500)
Transaction	Post_id (foreign key) User_id (foreign key) Date amount
Stats	Total_donated Total_number_of_users

Relationships:

Relationship name	Table name
VERIFICATION	Admin to Post
CREATE	User to Post
DONATION	User to Transaction

Stack:

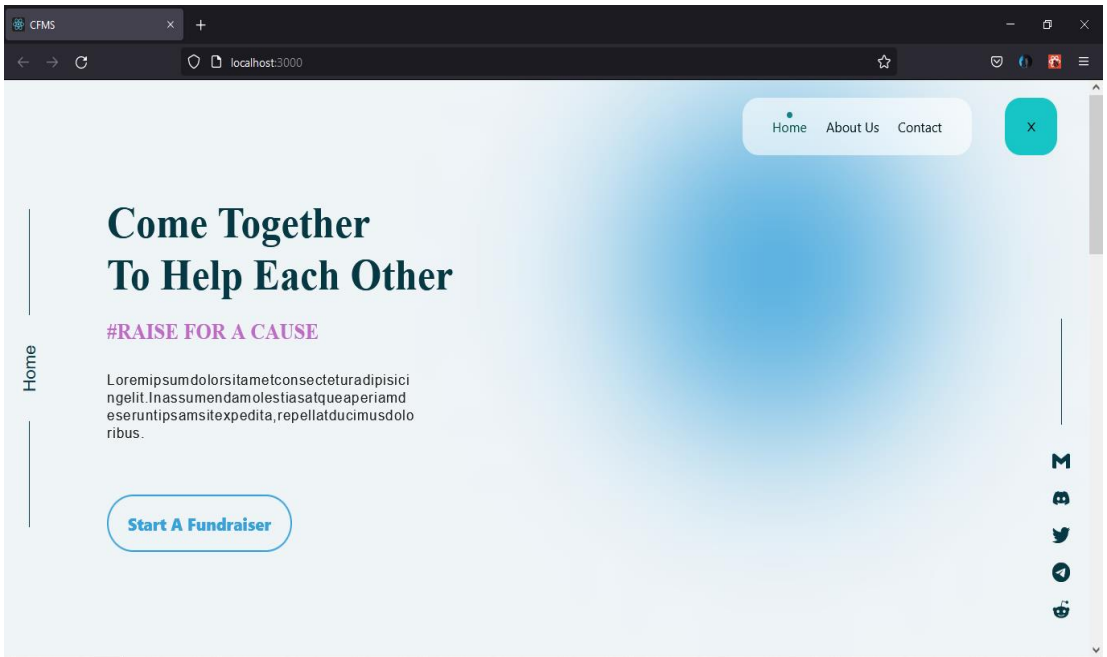
Frontend: ReactJS, CSS

Backend: NodeJS

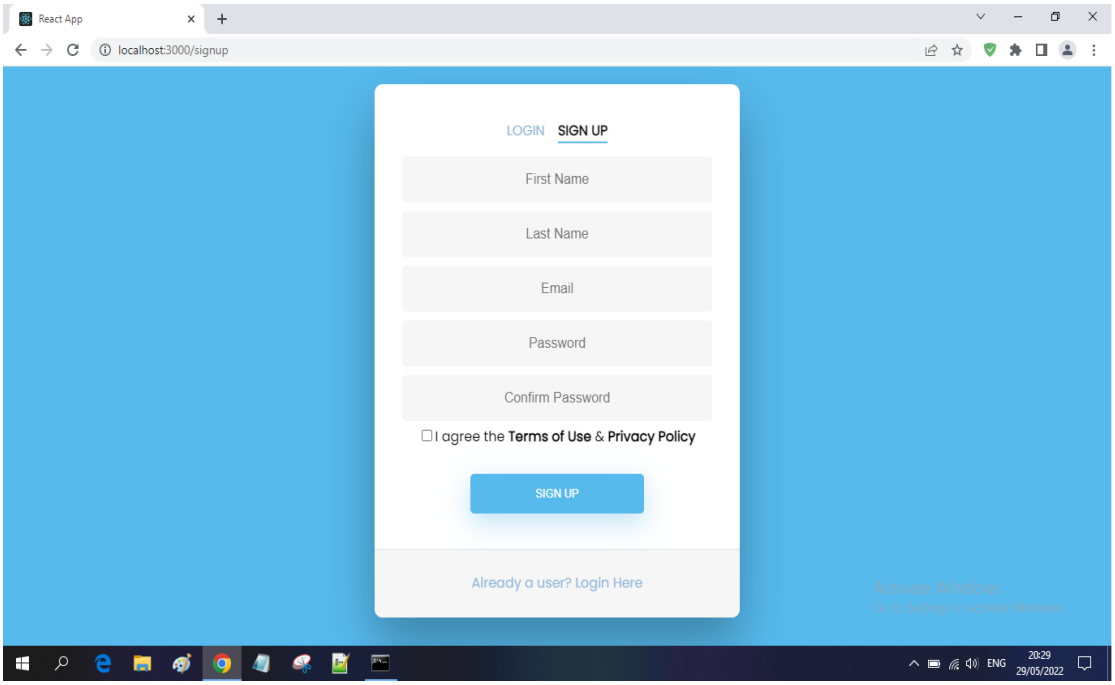
Database: MySQL

Results:

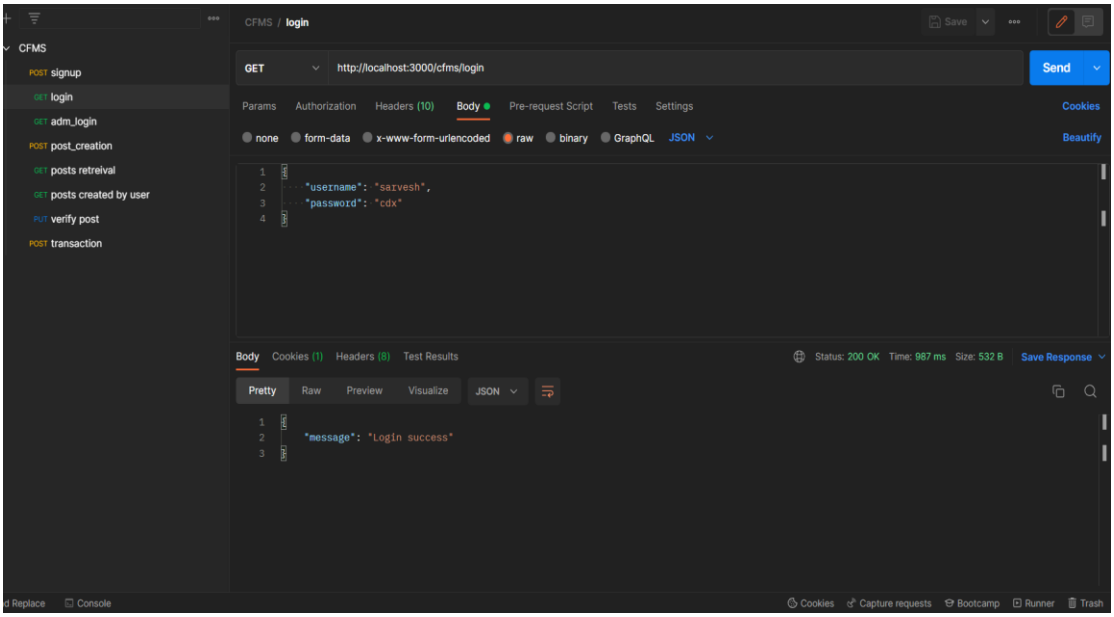
Home:



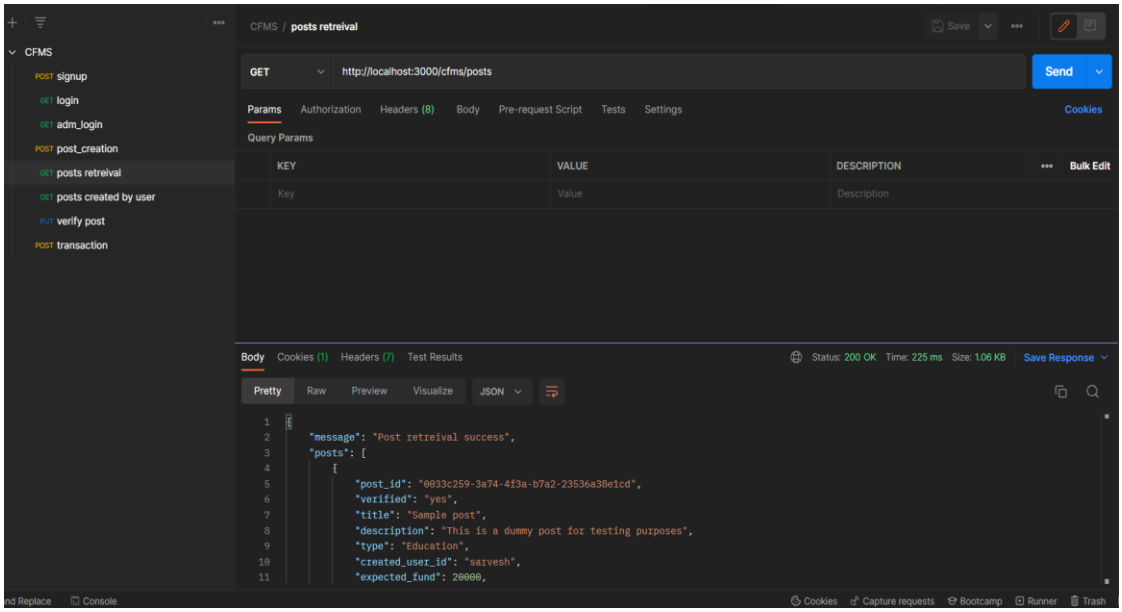
Signup:



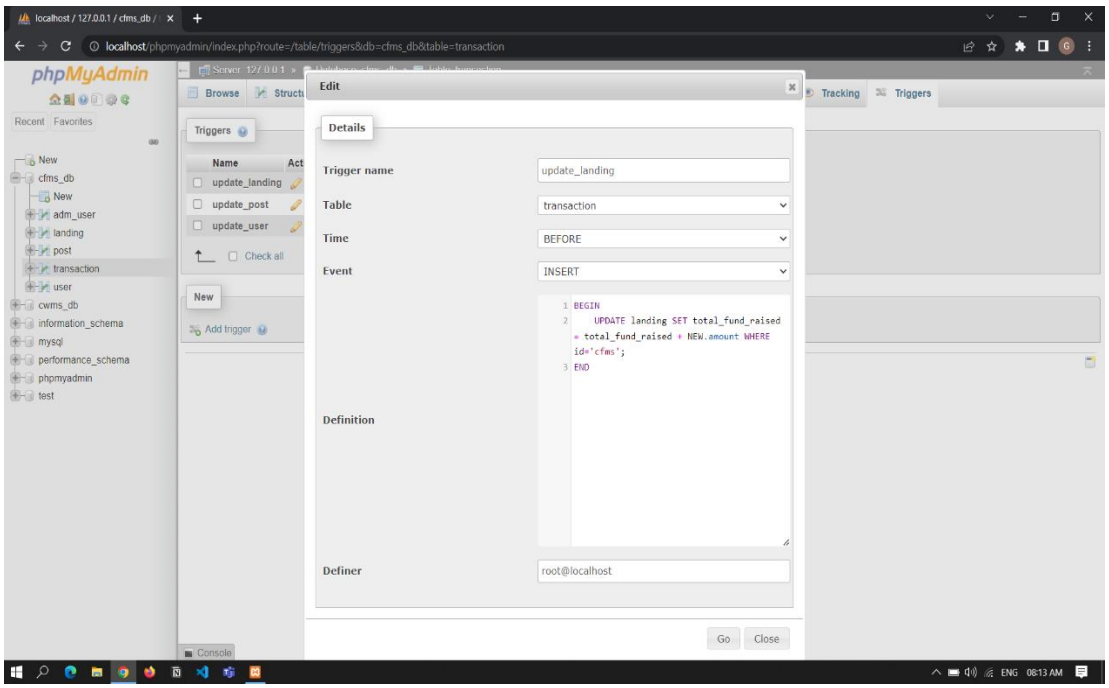
Login:



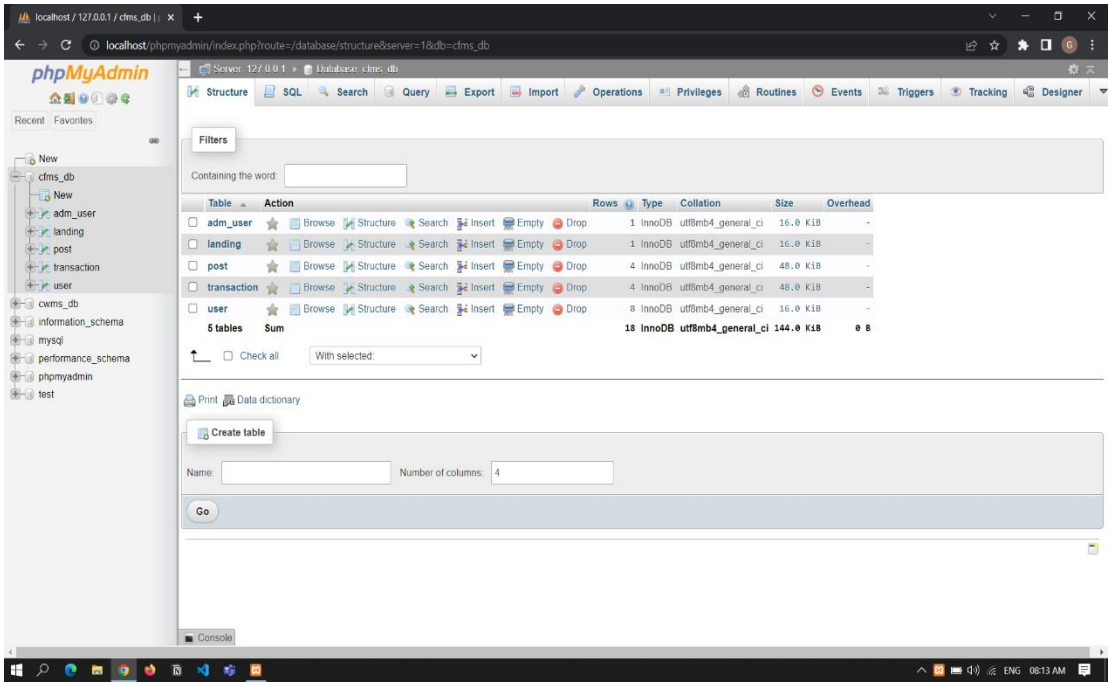
Post:



Trigger:



Database:



Conclusion:

We Provide Paas (Platform-as-a-Service) to create and empower virtual communities. This platform plays a significant role for individuals who are interested in having their projects funded and for those who want to contribute to make real, the ideas generated by others.

Internet-based crowdfunding as a social media platform provides an environment where the ease of communicating facilitates the apparition of new contexts for interaction and the creation of space to present emotions are based on shared interest and shared motivations.

References:

ReactJS: https://reactjs.org/

NodeJS: https://nodejs.org/en/docs/

MySQL: https://dev.mysql.com/doc/