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Proximity Based Web Application for Connecting Passion

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A B S T R A C T

Our project emerges as a dynamic approach to bridge the gap between virtual communities and actual connections in a world increasingly dominated by digital interactions. Users of this online platform are empowered to discover and join groups centred around their passions and interests. Our project makes sure that community members actually have the same excitement for the group's core point by using a novel quiz-based entrance procedure. The platform enhances the experience with location-based functions, allowing users to connect with similar individuals nearby. Beyond typical social networking, our concept seamlessly incorporates Instagram profiles, allowing for direct interactions between users.Whether trading hobbies, sports interests, or spiritual interests, the platform builds genuine connections that extend beyond the digital realm.Our project accepts email as a substitute providing access to people who do not use Instagram. Our unwavering focus on user privacy distinguishes us, revolutionising the dynamics of like-minded individuals coming together to establish a lively and friendly community. Through our project, you may become a part of the ever-changing social media world and turn your online interests into real, enduring relationships.

Keywords: Geolocation, User experience, Relational Database Management System (RDBMS), Backend logic, Responsive design.

1. INTRODUCTION

This innovative web tool tackles the modern problem of finding like-minded people by effortlessly bringing people together who have similar interests and passions. Our principal aim is to create a vibrant virtual community that offers a forum for people to not only connect but also thrive through their common interests and passions. The main idea is to establish online communities—that is, online areas where people who share interests may gather interact, and connect. Our project invites users to explore and participate in these lively virtual locations by providing a varied selection of communities covering art, sports, food, and other passions. There are two ways you can become a part of our community. The first is to ask our respected community leader, who leads the group, for an exclusive invitation code. Alternatively, you could show off your knowledge and excitement by creating an engaging quiz related to the community's main theme. Members will be really engaged and ready to participate in this entertaining quiz. We go above and above by integrating location services after you're a part of our community. These services let you connect with other members who are nearby. Through the use of this tool, you can establish important connections and have opportunities to participate in real-life events by meeting and connecting with like-minded people in your community. Our goal is to provide an experience that goes beyond the standard web application and immerses users in a vibrant online community. This platform encourages people to band together and pursue common interests by fostering new relationships in addition to connecting people. Our ultimate goal is to provide a welcoming and motivational space where people can connect with one another, share their stories, and set out on a path of personal growth. By empowering people, developing a strong sense of belonging, and cultivating real connections based in shared passions, we hope to rethink conventional notions of social interaction.

2. LITERATURE SURVEY

The paper [1] offer a sophisticated recommendation engine for Location-Based Social Networks (LBSNs). This novel algorithm applies the HITS concept to provide highly tailored suggestions to users based on user hub ratings and Point of Interest (POI) authority scores. But this method goes beyond conventional POI suggestions. We incorporate location-based interactions to create virtual communities that link people who have similar interests and passions.

The paper [2] emphasizes the value of actively adapting to people's changing tastes, in contrast to the constraints of conventional social networks. Our initiative recognizes that interests are dynamic, but our main objective goes beyond simply serving the interests of people who share our objectives. Rather, we want to help people make meaningful connections and encourage community involvement.

The paper [3] offers a new angle on proximity-based mobile social networks by investigating the idea of user similarity discovery. Still, our project differs in that it seeks to pair people according to their interests and pastimes, reducing the need for physical closeness to facilitate user matching.

This paper [4] explores the field of community search within large graphs. Their focus is on developing models and techniques for locating communities in large-scale graphs. As an alternative, our initiative aims to create virtual communities and encourage active user involvement within them, rather than just recognizing community patterns within large-scale graphs.

The paper [5] introduced the novel framework TP-GraphMiner, which revolutionizes the field of data clustering for task-based information networks. While our research includes clustering data, our main aim is to connect individuals who have like interests in order to create experiences that benefit both parties. This sets us apart from TP-GraphMiner, which focuses mostly on relationships based on tasks.

The paper [6] investigate how to enhance private matching in proximity-based mobile social networking. In contrast, the goal of our project is to improve the links between individuals by showcasing their distinctive interests, fostering a strong feeling of community, and encouraging shared experiences.

3. PROPOSED METHODOLOGY

This part provides a thorough explanation of the techniques and procedures that guides the development of our project, outlining the systematic approach and procedural framework that were utilised in its creation. It acts as a guide, shedding light on the calculated actions made to take our project from conception to completion.

3.1 User Management:

- Module 01 - This pivotal module streamlines the user experience by overseeing seamless processes such as registration, login, and password recovery, ensuring a frictionless onboarding and authentication journey for platform users. Its comprehensive features contribute to a user-friendly environment, enhancing the overall accessibility and security of the platform.

3.2 Community Management:

- Module 02 -This module efficiently oversees the entire lifecycle of communities, handling tasks such as registration, verification, and profile management. By enforcing authenticity and organization, it contributes to fostering a vibrant and trustworthy community environment.
- Module 3: Location-Based Services Module: Dedicated to enhancing user connections, this module employs location tracking and proximity notifications to enable real-world meetups among community members. It adds a dynamic layer to community interactions, promoting meaningful connections based on geographical proximity.

3.3 Development Environment:

- The development environment will be established using Visual Studio Code, providing a userfriendly interface for coding and implementing libraries. Git repositories on GitHub will facilitate version control, ensuring a systematic and collaborative development process.

3.4 Testing and Optimization:

- Extensive testing will be conducted to ensure the compatibility of the web portal across different browsers, including Chrome, Firefox, Safari, and Edge.
- The system will undergo rigorous testing to validate its accuracy, efficiency, and real-time performance. Iterative optimization will be implemented to enhance overall system reliability.

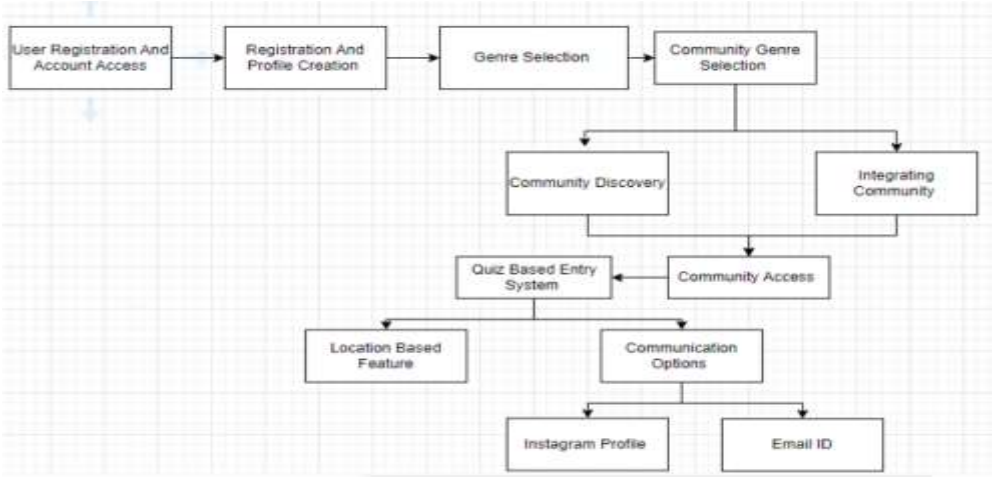

Fig.1. Module 01: Working of the project

4. CONCLUSION

With our project, the Proximity-Based Web Application for Connecting Passions, we aim to close the gap between the difficulties of creating meaningful connections in our increasingly digital world. We aim to create a user-friendly platform by utilising a carefully selected technology stack. Key elements including user registration, varied community building, and an assessment-based admissions process establish genuine relationships based on common interests. Our programme seeks to enhance online connections as well as in-person meetings with its location-based capabilities and social network integration. Our implementation represents the realisation of transforming virtual relationships into real friendships by placing a high priority on user privacy and security. Through the creation of lively communities and the empowerment of like-minded enthusiasts worldwide, this project represents our dedication to redefining how people connect based on their interests.

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References

1. X. Long and J. Joshi, "A HITS-based POI recommendation algorithm for Location-Based Social Networks," 2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2013), Niagara Falls, ON, Canada, 2013 .
2. S. Gambhir, N. Aneja and S. Mangla, "Need of ad-hoc social network based on users' dynamic interests," 2015 International Conference on Soft Computing Techniques and Implementations (ICSCTI), Faridabad, India, 2015.
3. F. Beierle, "Do You Like What I Like? Similarity Estimation in Proximity-Based Mobile Social Networks," 2018 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications/ 12th IEEE International Conference On Big Data Science And Engineering (TrustCom/BigDataSE), New York, NY, USA, 2018.
4. X. Huang, L. V. S. Lakshmanan and J. Xu, "Community Search over Big Graphs: Models, Algorithms, and Opportunities," 2017 IEEE 33rd International Conference on Data Engineering (ICDE), San Diego, CA, USA, 2017,.
5. V. Ramasamy, U. Desai, H. W. Alomari and J. D. Kiper, "TP-GraphMiner: A Clustering Framework for TaskBased Information Networks," 2018 IEEE International Conference on System, Computation, Automation and Networking (ICSCA), Pondicherry, India, 2018.
6. YRui Zhang, Y. Zhang, Jinyuan Sun and Guanhua Yan, "Fine-grained private matching for proximity-based mobile social networking," 2012 Proceedings IEEE INFOCOM, Orlando, FL, USA, 2012.