

1. INTRODUCTION

Diversum is an innovative app designed to provide an inclusive and safe space for neurodivergent individuals, such as those with autism, ADHD, dyslexia, and other conditions, to find both romantic relationships and friendships. Built on principles of accessibility and inclusion, Diversum recognizes the uniqueness of each user and Solpts its features to meet their needs. The app's social focus is essential for combating isolation, promoting mental health, and building a strong and supportive community. Additionally, the use of Solana blockchain and Web3 integration ensures that the app offers transparency, decentralization, and a rewarding experience for its users.

2. THE PROBLEM

Neurodivergent individuals face numerous challenges in traditional social environments. These challenges are exacerbated in dating apps and social networks, where a lack of understanding and Solptation to their needs creates barriers that prevent meaningful and satisfying interactions. Most dating apps are designed for neurotypical users, with few adjustments for the unique forms of communication, sensitivity, and socialization that neurodivergent individuals experience.

Moreover, social isolation profoundly impacts the mental health of these individuals, who often feel excluded or misunderstood on conventional digital platforms. There is a lack of online spaces that promote inclusion, respect, and empathy, where neurodivergent individuals can connect without judgment or pressure to conform to social norms that do not align with their realities.

3. SOLUTION: DIVERSUM

Diversum offers a platform tailored to neurodivergent individuals, allowing users to find meaningful connections without the barriers imposed by traditional apps. The core proposition is to provide a differentiated experience, where neurodivergent people can:

- **Connect for Relationships or Friendships:** The app will function as both a dating tool and a social network, giving users the freedom to choose between seeking a romantic relationship or building friendships.
- **Safe and Inclusive Environment:** Interactions within the app will be carefully moderated to ensure that everyone feels safe and respected. The focus will be on promoting interactions that value the diversity and uniqueness of each user.
- **Education and Awareness:** Diversum will also serve as a platform for educating about neurodivergence, with content that breaks down stereotypes and encourages understanding of different forms of cognition and behavior.
- **Focus on Social Cause:** The app will play an active role in promoting inclusion and mental well-being. A portion of the project's profits may be allocated to support initiatives focused on neurodivergence and mental health.

4. TOKENIZATION WITH SOL AND SOLANA BLOCKCHAIN

Diversum will be powered by the Solana blockchain, using the SOL token as the main digital asset for transactions and rewards within the app.

- **Why Solana?** Solana was chosen for its reputation for security, sustainability, and scalability, along with its low transaction fees and smaller environmental impact compared to other blockchains. The platform is built on a scientific foundation with peer-reviewed research, making it one of the most robust options for decentralized applications (dApps).
- **Use of SOL Token:** Instead of creating a proprietary token, SOL will be used in Diversum, facilitating integration with the Solana network and allowing users to engage with an already established and widely accepted currency. SOL will serve several functions within the app:
- **Interaction Rewards:** Users can earn SOL for positively interacting with other members, performing actions that promote the community, or completing certain objectives within the app.
- **Premium Services:** SOL can be used to unlock premium features, such as increased profile visibility, customization options, or participation in exclusive community events.
- **Social Donations:** A portion of SOL transactions can be automatically allocated to support initiatives focused on neurodivergence and mental health.
- **Decentralized Governance:** With SOL, users can vote on key platform decisions, participating in the app's decentralized governance, such as choosing new features and policies that benefit the community.

5. APP FEATURES

Compatibility Algorithms: Diversum will feature an algorithm that matches users by considering not only shared interests but also neurodivergent compatibility. The algorithm will tailor suggestions to foster more harmonious interactions, ensuring that users feel comfortable and understood.

Relationship Preferences: The system will display profiles in an organized view interface, allowing users to clearly choose their preferences through descriptive buttons and compatibility filters. This functionality includes an initial setup phase where users define whether they are looking for romance, friendship, or both, and the system automatically filters profiles based on these options.

Advanced Filters: Neurodivergent users will have the option to filter potential matches based on interaction preferences, socialization levels, and specific characteristics that align with their sensitivities. Understanding that neurodivergent individuals express themselves in different ways, the app will offer customization options for how interactions occur, from the selection of emojis to more detailed communication methods.

Communication Feedback: This tool will allow users to give and receive feedback on how a conversation went, fostering better understanding of different interaction styles and helping to improve future conversations.

Matching Based on Lifestyles: In addition to personal interests, the app will suggest pairs based on similar routines and lifestyles, such as preferred times for conversations and social activities. This feature will help users find

others who align with their daily rhythms, enhancing the potential for meaningful connections.

Thematic Conversation Channels: Dedicated spaces where users can come together to discuss topics of interest, hobbies, or provide emotional support. These channels will be moderated to ensure interactions remain respectful and safe, fostering a positive community atmosphere.

Support Groups: Groups where neurodivergent individuals can meet to share experiences and offer emotional support, either through text or voice. These groups will create a sense of belonging and understanding among members.

Personalized Voice and Text Chats: Voice and text chats will be available, allowing real-time interaction with customization options for noise control and voice-to-text transcription for users with specific sensitivities. This will enable users to communicate in a way that suits their comfort levels.

Online Events and Collaborative Activities: The app will promote the creation of online events, such as collaborative games and discussions about neurodivergence, encouraging bond formation through shared experiences. These activities will help users engage with one another in a fun and supportive environment.

Role-Based Access: Moderators will be able to set different access levels, allowing each user to interact according to their comfort level and

willingness, without pressure. This feature will help create a safe space for everyone.

Gamification and Connection Challenges: Users will be able to complete daily challenges, such as starting conversations or participating in events, and receive rewards in SOL or unlock premium features. Through a system of achievements, users can earn tokens and other rewards, encouraging more active and constructive participation in the community.

Customized Profiles: Each user will be able to create a detailed profile that allows them to express their preferences, interests, and sensitivities. This includes aspects such as communication preferences (visual, textual, etc.) and levels of social interaction they feel most comfortable with. In other words, profiles will be tailored for different types of interaction (relationships or friendships), offering more control over the information users wish to share in each context.

Silent/Offline Mode: A feature that allows users to temporarily disable notifications and interactions without having to leave communities or cancel their participation. This mode will help users manage their engagement on their own terms.

Trust System with Reputation: The implementation of a reputation system that encourages good practices and positive behaviors within the platform, rewarding well-rated users for their interactions. This feature will help foster a respectful and supportive community environment.

Safety and Inclusion: There will be a strong focus on maintaining user safety and privacy, with protocols in place to address abusive or intrusive behaviors. This includes proactive moderation support and options for blocking or reporting users, ensuring that the platform remains a secure space for all participants.

6. Milestones for Diversum

Diversum will be developed in phases, referred to as "Milestones," to ensure that the application is delivered with the highest quality and efficiency.

Month 1-2: Research and Planning

- **Milestone 1:** Completion of market research, definition of functional requirements, and business model.
 - **Deliverables:**
 - Market research report and neurodivergence analysis.
 - Functional requirements document.
 - Definition of the tech stack and integration with Solana.
 - **Estimated cost:** \$3,000

Month 3-6: MVP Development

- **Milestone 2:** MVP launched with essential features, basic integration with Solana, and a focus on accessibility.
 - **Deliverables:**
 - Development of the profile system, matchmaking, and friendship system.
 - Basic integration of the SOL token for transactions and rewards.
 - Accessible UX/UI design for neurodivergent users.
 - **Estimated cost:** \$12,000

Month 7-8: Beta Testing and User Feedback

- **Milestone 3:** Beta testing completed and adjustments made based on user feedback.
 - **Deliverables:**
 - Usability testing with a selected group of neurodivergent users.
 - Collection of feedback and correction of bugs and UX/UI issues.
 - **Estimated cost:** \$5,000

Milestone 4: Application finalized, ready for official launch in app stores (App Store and Google Play).

- **Deliverables:**
 - Performance and UX optimization.
 - Refined rewards system in SOL and ready.
 - Publication on platforms.
- **Estimated cost:** \$3,000

Milestone 5: Marketing campaign launched focusing on inclusion, accessibility, and user base growth.

- **Deliverables:**
 - Outreach strategies in neurodivergent groups and social media.
 - Partnership initiatives with organizations related to neurodivergence.
- **Estimated cost:** \$7,000

PHASE	COST (USD)
Research and Planning	\$3.000
MVP Development	\$12.000
Beta Testing and Feedback	\$5.000
Final Adjustments and Launch	\$3.000
Marketing and Growth	\$7.000
TOTAL:	\$30.000

7. SOCIAL IMPACT

The social impact of Diversum will be significant, offering a platform that not only meets the needs of neurodivergent individuals but also promotes greater awareness and inclusion of neurodiversity in society at large. By supporting these communities, Diversum will help reduce social isolation, improve users' self-esteem, and provide a safe space for the growth of meaningful relationships.

The platform will also have a cascading effect by educating and informing the public about the different forms of neurodiversity, breaking down prejudices, and promoting empathy. Furthermore, by allocating part of the profits and NTK tokens to social causes, the app reinforces its commitment to supporting initiatives that directly benefit these communities.

8. TECHNOLOGY AND DEVELOPMENT WEB2 DEVELOPMENT WITH WEB3 INTEGRATION

Although Diversum utilizes the SOL token from the Solana blockchain for transactions and rewards within the ecosystem, the main development of the application will be based on Web2 technologies. This ensures greater accessibility and faster development time while allowing for the smooth and modular implementation of Web3 features.

8.1 Web2 Technologies Used

Front-End:

- Development using technologies like React.js to provide a highly responsive and accessible user interface, ensuring compatibility across multiple platforms (mobile and web).
- HTML5 and CSS3 for styling, prioritizing accessibility, usability, and performance.

Back-End:

- Use of Node.js with Express.js to manage server functionalities and handle APIs and databases efficiently and scalably.
- Integration with databases like PostgreSQL or MongoDB for managing user data, profiles, and interactions.

Security:

- Security will be a priority, with the implementation of SSL/TLS encryption to protect user information.
- Secure authentication tools such as OAuth 2.0 for social login and secure user authentication.

Scalability:

- Utilization of scalable infrastructure with cloud hosting services like AWS or Google Cloud to ensure that the app can grow according to the number of users while maintaining performance and stability.

8.2 Integration with Blockchain (Web3)

Transactions with SOL: Financial transactions and rewards within the app will be managed through SOL, allowing users to purchase premium resources, participate in special events, and receive tokens for successful activities or interactions.

Wallet Connect: Implementation of a wallet connection feature for Solana wallets, such as Nami or Eternl, enabling users to link their wallets and manage their SOL tokens within the application.

SOL-Based Rewards: Through integration with smart contracts, users will be rewarded in SOL for completing engagement challenges, participating in events, and positively contributing to the community, using the Solana blockchain to register and distribute these rewards transparently and immutably.

8.3 Scalable and Modular Infrastructure

Web2 development provides a robust foundation for the app's interface and functionalities, while Web3 integration ensures transparency and decentralization for managing tokens and rewards. The choice of a modular approach will allow new features and integrations to be implemented easily as the needs of the neurodivergent community evolve.

8. CONCLUSION

Diversum represents a new step toward inclusive platforms focused on social impact. By combining the cutting-edge technology of the Solana blockchain with a humanitarian mission, the app provides an environment where neurodivergent individuals can connect in a genuine and safe manner.

Through its decentralized model and tokenization, Diversum not only facilitates interactions but also empowers its users, enabling them to actively participate in the future of the platform.