

TITLE: MOBILE NUMBER VALIDATION

Introduction:

The rise of mobile technology has transformed how users interact with services. Accurate mobile number validation is essential for preventing errors in user registrations, enabling secure transactions, and facilitating effective communication. This study delves into the importance of validation processes, the various techniques employed, and the challenges encountered.

Purpose:

The primary purpose of this paper is to analyze the different approaches to mobile number validation, including regular expressions, external APIs, and algorithms tailored to specific regional formats. Additionally, it aims to highlight the implications of effective validation on user trust and operational efficiency.

Conclusion:

In conclusion, robust mobile number validation not only enhances data accuracy but also plays a pivotal role in fostering user confidence in digital platforms. As mobile usage continues to grow, developing effective validation strategies will be increasingly important for businesses to maintain operational integrity and enhance user experience. Future research should focus on integrating machine learning techniques to improve validation processes further.

B.Eshwar - 215U1A0526

Dey Soumith Kumar – 215U1A0541

B. Vignesh - 215U1A0529

G. Bhanu Prakash – 215U1A0560