# Security of Data with RGB Color and AES Encryption techniques

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# Content

- Ron Rivest, Adi Shamir, and Leonard Adleman in 1977.
- Confidentiality.
- Authentication.
- So to overcome this problem we use RGB color model to provide authentication.

# Existing System





- RSA is a public key cryptosystem which is widely used for secured data transmission.
- RSA algorithm used to encrypt and decrypt the messages sent from one person to another and this provides confidentiality but not authentication.
- Therefore,by using RSA with RGB color model it provides both confidentiality and authentication but with less accuracy.

# Proposed System





- Due to less accuracy in existing system data which is send and receive is not fully secure.
- Authentication in the proposed system is provided using COLORS for both sender and receiver.
- So, we will check whether it can work with other encryption technique.
- As AES is better than RSA ,use AES encryption technique with RGB color model which provide more accuracy.

# System Architecture



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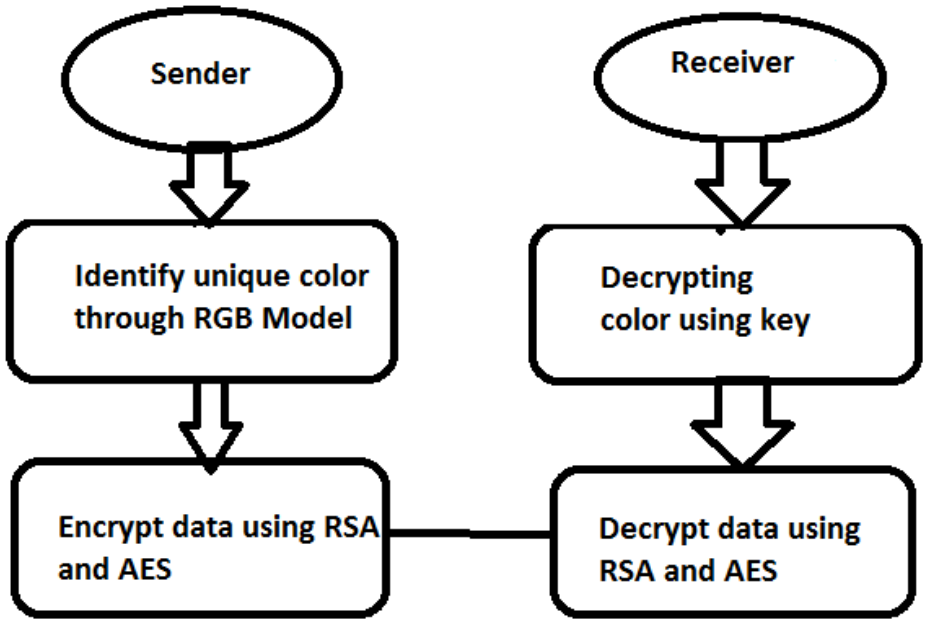
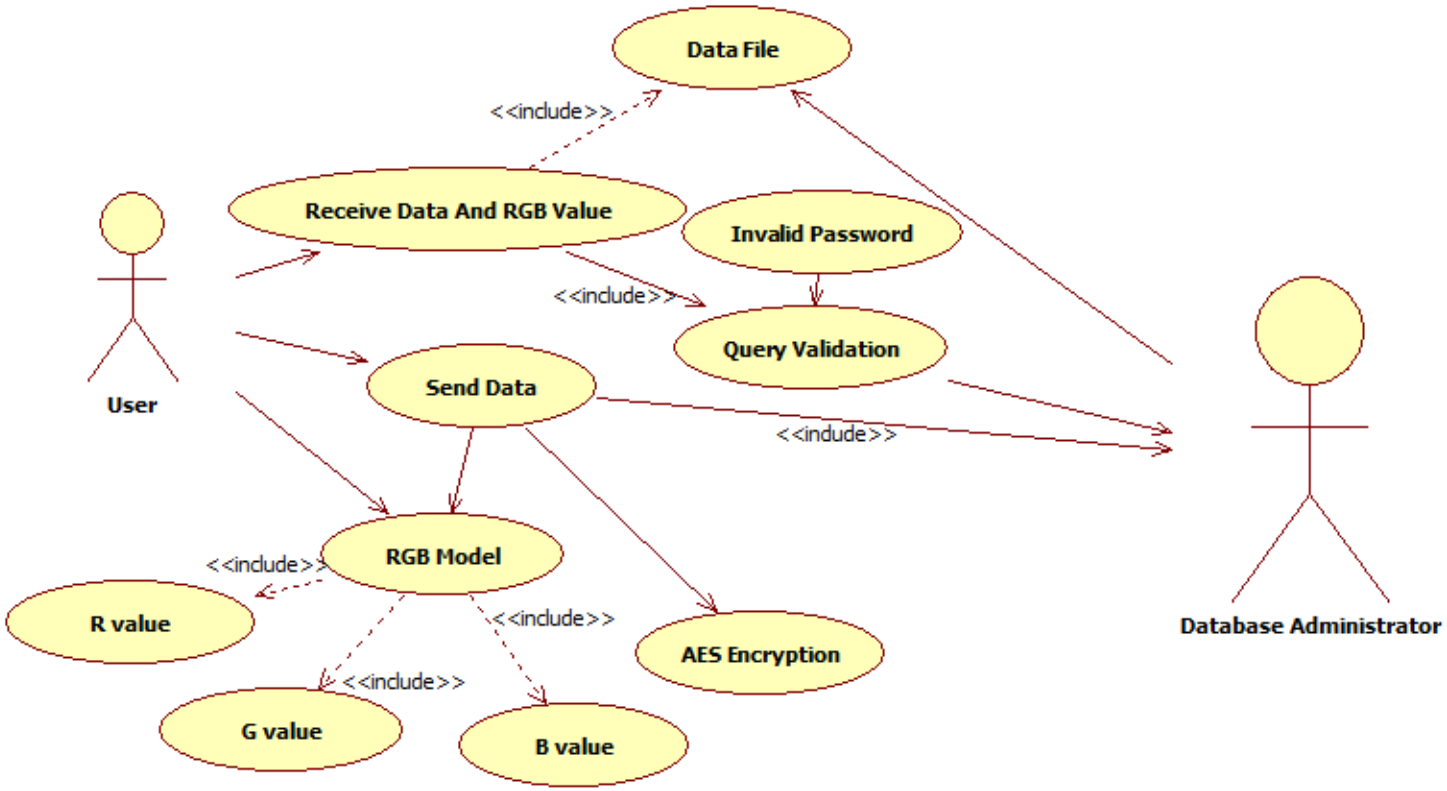



Figure: System Architecture

# System Design





# Conclusion



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AES encryption technique is used with RGB Color model to provide security. The confidential areas like military, governments are targeted by the system where data security have more importance. Colors, AES are the two main factors in proposed system which makes sure that there is secured message or data transmission and also it is available to authorized person. Hence in the proposed system we provide both authentication and confidentiality with more accuracy.

# References






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Thank You...