**Secure Messaging System**

**Higher National Diploma in Software Engineering**

**Software Security Project Proposal**

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Description automatically generated

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**Introduction**

This proposal aims to develop and put into use a secure message encryption and decryption system that protects the integrity and confidentiality of communications sent between users. Input validation, username/password-based authentication and authorization, database storage with password hashing, and input encryption methods will all be used in this system to increase security.

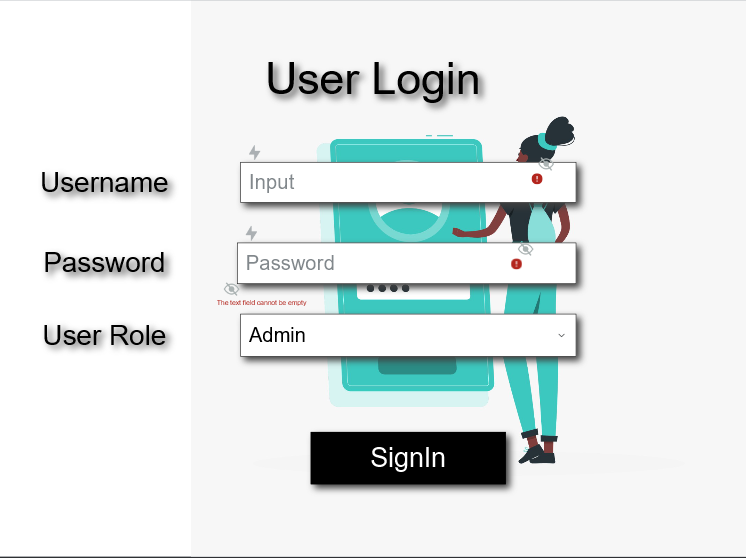
# **Problem Definition**

# **Proposed Solution**

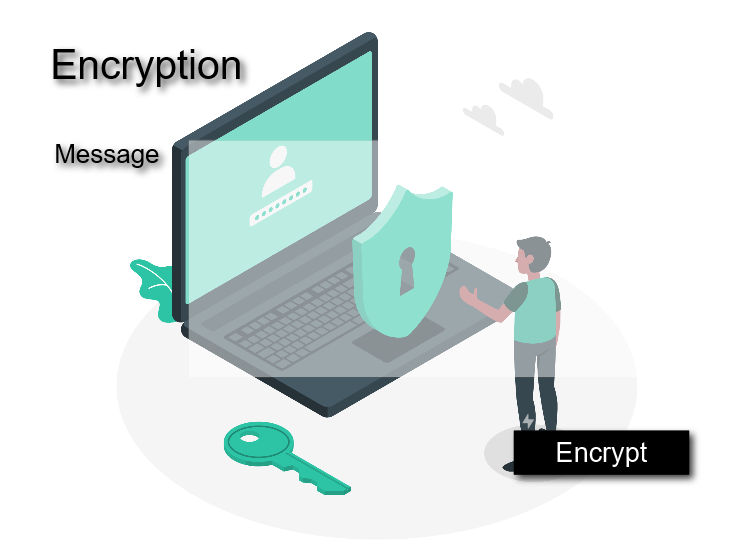
# **Objectives**

**UI Design**

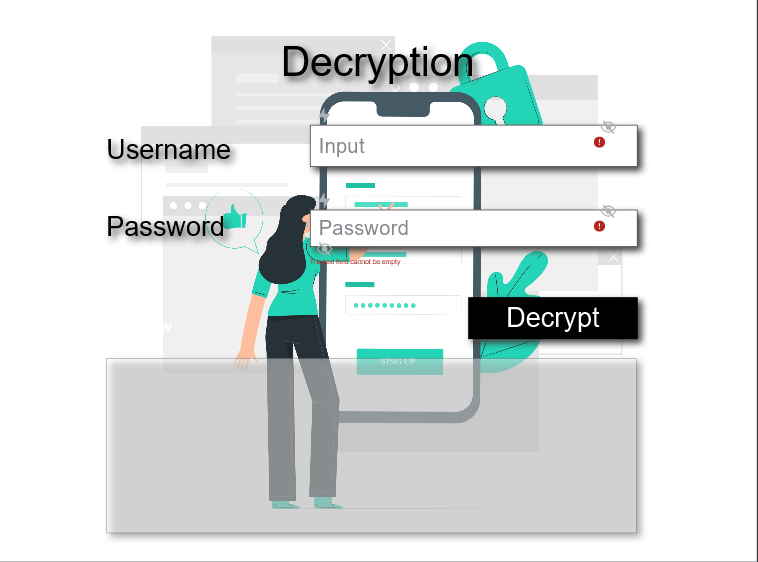
**User Login Form**



**Encryption Form**

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**Decryption Form**

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# **Flow Chart**

