

ANNEX 1 - Other recommendations for Software Development:

A few changes need to be made to the **SRS** document during Software Development. These changes are listed below:

Enhancing security through modifications to the password reset functionality:

Regarding the Password Reset Functionality:

The current "I forgot my password" feature poses a security risk as it allows potential unauthorized password resets by anonymous Internet users who have access to users' email addresses. The company should modify the password reset functionality to enhance security and prevent unauthorized password changes. Instead of allowing direct password resets, implement a system that generates and sends unique codes or links to users for resetting their passwords. This approach ensures that only authorized individuals with access to the code or link can initiate the password reset process. By implementing this change, the development company can mitigate the risk of malicious internet users compromising user accounts.

Additional Security Measures:

The code generator used for password reset can also be utilized for implementing optional two-factor authentication. Two-factor authentication adds an extra layer of security by requiring users to provide a second verification factor, such as a code sent to their mobile device, in addition to their password. The development company should consider implementing this optional feature to further protect user accounts from unauthorized access. The optional feature to protect user accounts can be achieved by integrating the two-factor authentication process with the code generator used for password reset.