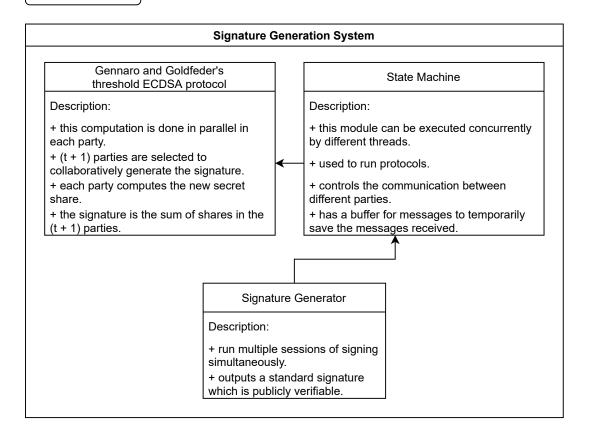
Key Generation Sign up Description: Key generation system + Set the total number of parties and the Description: threshold. + The user set the total number of parties n and the + Input the email address of all parties. Only threshold t. emails ended with "@ey.com" will be accepted. + The admin account generates shares of the private key x based on Shamir's Secret Sharing. + The admin account send shares to n parties. Key Distribution + Each party save the partial private key locally. Description: + Generate partial private keys based on Shamir's Secret Sharing. + Send secret shares to each party by email.

Signature Generation



Verification

Verification System

Description:

- + The verification does not require interactions with parties.
- + The verification process remains the same as the classical setting.