Programming homework

Using Open SSL (discussed by Dr. Abdel-Wahab in class), write an interface to:

(i) Generate a public/private key pair for both sender and receiver
(ii) Let users enter a message
(iii) Encrypt the message using other person’s public key and send the message,
(iv) Use the process’s private key to decrypt it.
(v) Create a message digest for the message
(vi) Verify the message at the receiver
(vii) Create a digital signature at the sender
(viii) Verify the digital signature at the receiver