Find the derivative of f(x) = e^xlnx+x^2 using the concept of total derivative.

$$f'(x) = (e^x)' \cdot \ln(x) + e^x \cdot (\ln(x))' + (x^2)' = e^x \cdot \ln(x) + e^x \cdot \frac{1}{x} + 2x$$