

SECURE MICROPAYMENT SCHEME FOR NEWSPAPER SUBSCRIPTION

Pay Per Article

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INTRODUCTION



- ▮ Instead of existing monthly or yearly subscription plans, introducing a plan to pay only for the articles user reads

PAY PER ARTICLE SUBSCRIPTION

- ▯ Transaction which involves a small amount of money

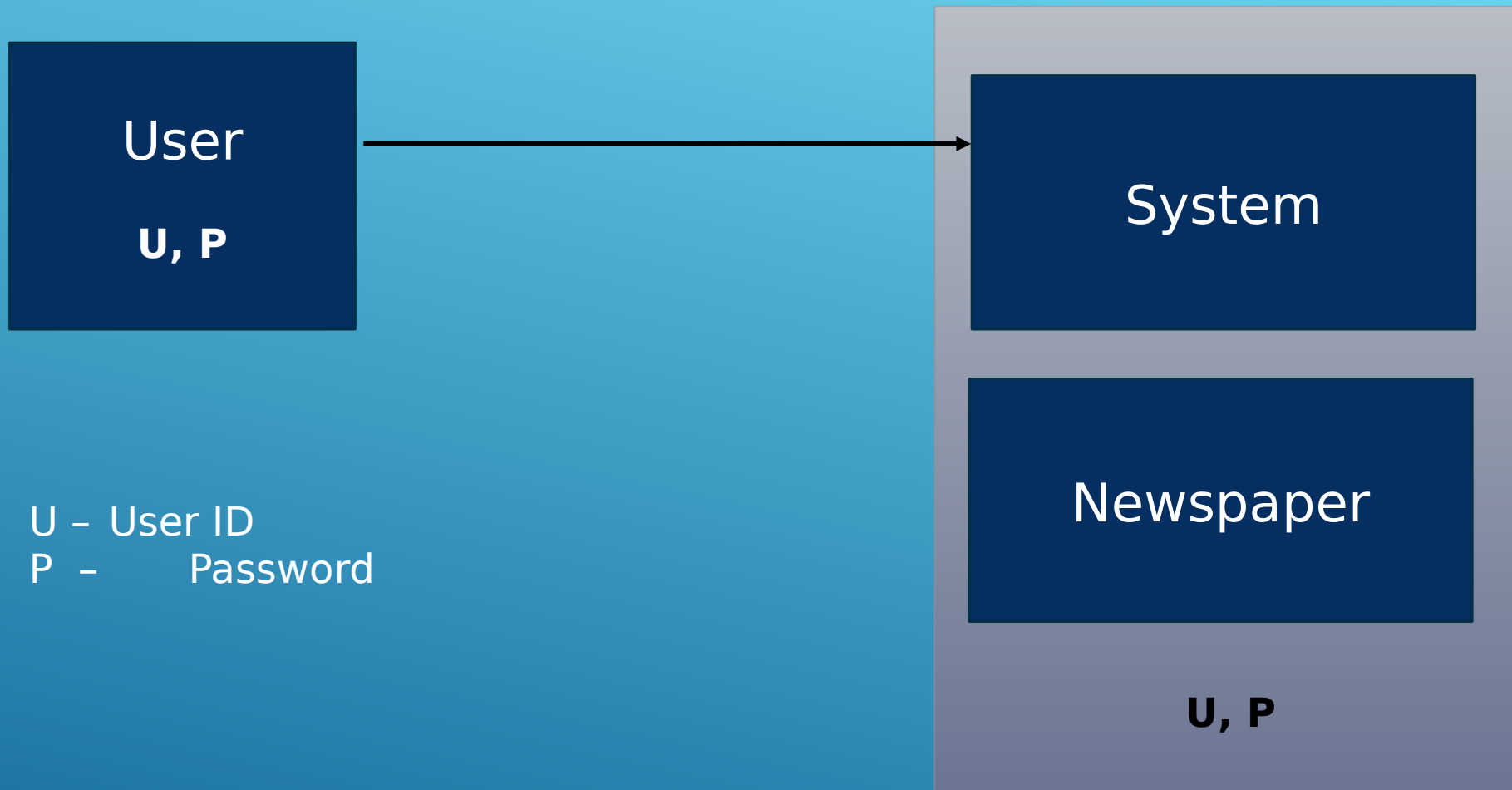
MICROPAYMENT

- ▯ A token based micropayment scheme for the subscription plan

OUR SOLUTION

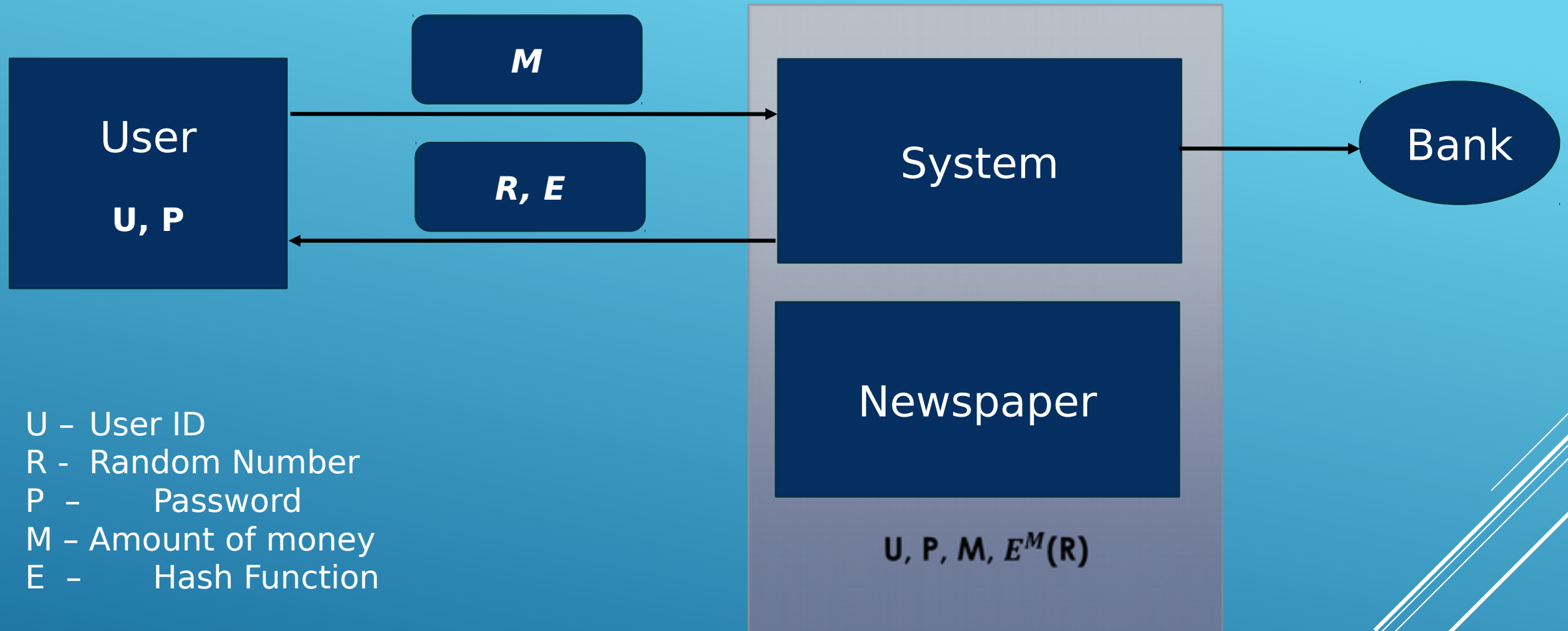
METHODOLOGY





U - User ID
P - Password

REGISTRATION



U - User ID
R - Random Number
P - Password
M - Amount of money
E - Hash Function

PURCHASING TOKEN

User

U, P, R, E

System

Newspaper

U, P, M, $E^M(R)$

U - User ID

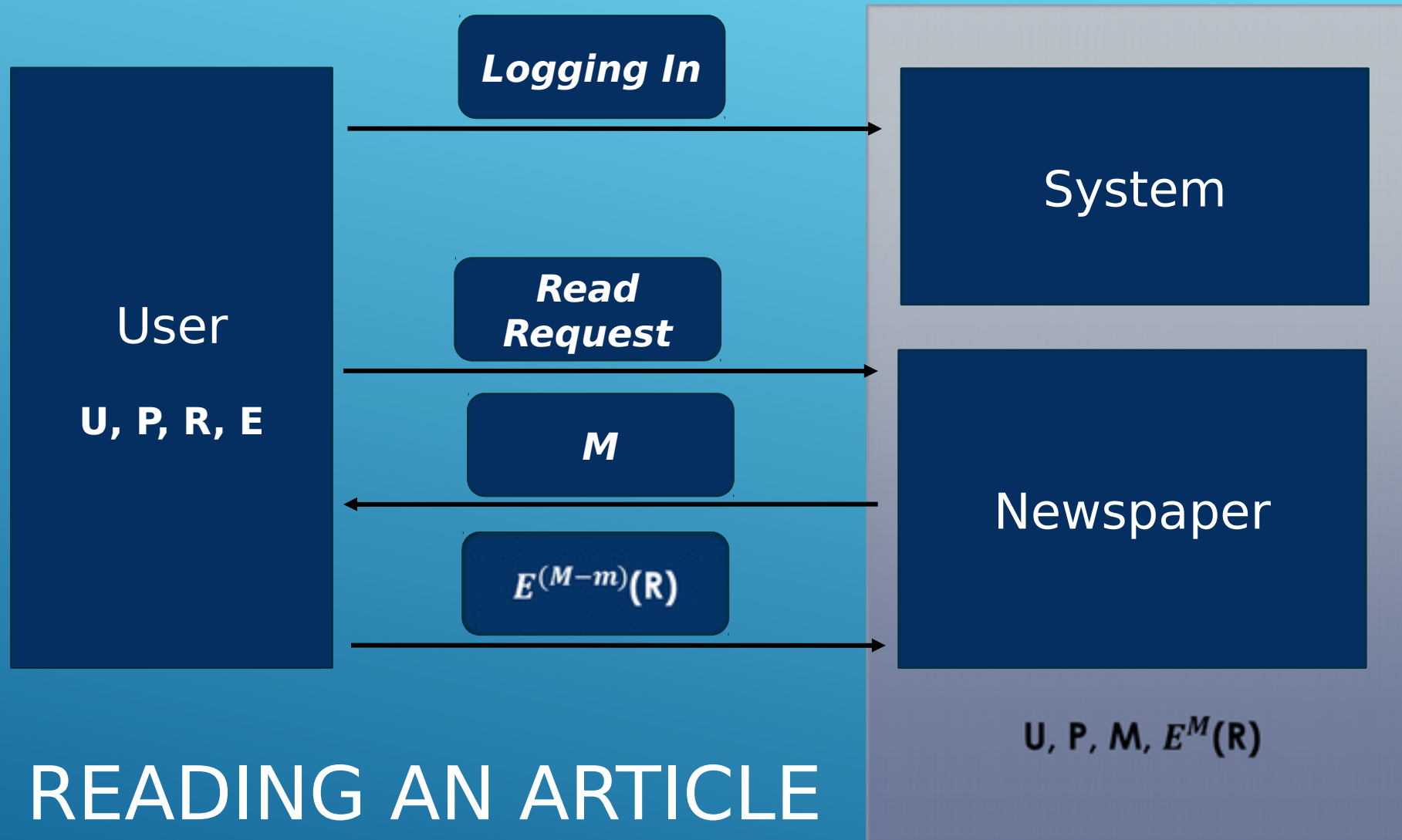
R - Random Number

P - Password

M - Amount of money

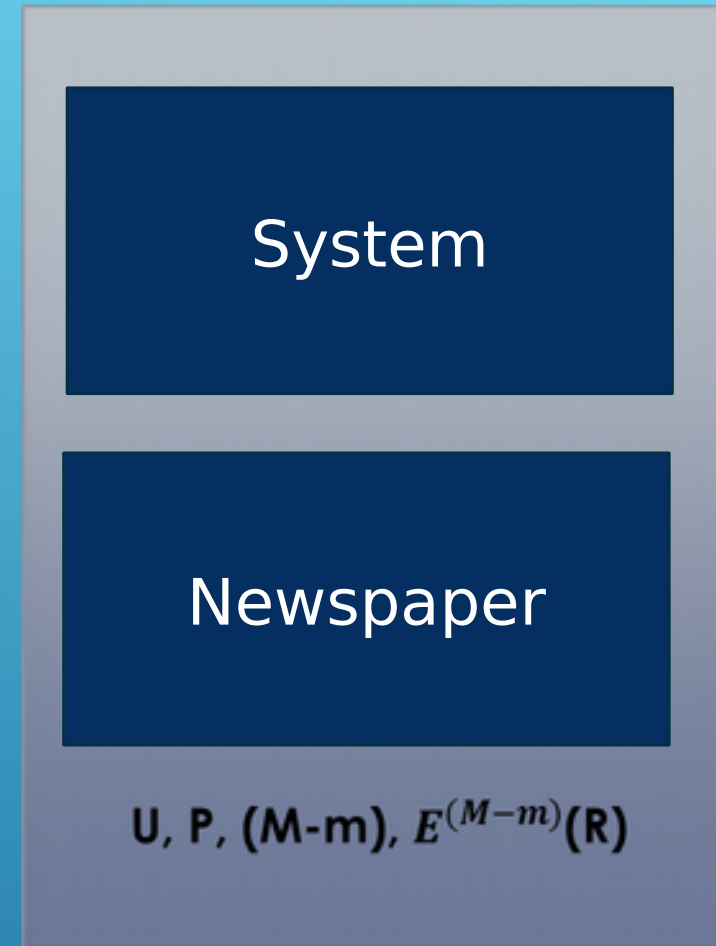
E - Hash Function

AFTER PURCHASING TOKEN



U - User ID
R - Random Number
P - Password
M - Amount of money
E - Hash Function
m - Article's Price

READING AN ARTICLE



U - User ID
R - Random Number
P - Password
M - Amount of money
E - Hash Function
m - Article's Price

AFTER READING AN ARTICLE

- ▮ Developed the system for registering newspaper and reader
- ▮ 2 – Step verification is included in logging to system
- ▮ A newspaper site for testing
- ▮ Implementation of Protocol work is in progress

CONCLUSIONS

THANK YOU

