We have an Android Application/Website that big news websites can vote for validity of the news regarding COVID-19. Currently we only support Android/Website because Algorand only offers Java and Javascript SDKs. We will use Algorand Consensus for the voting. Separately, we want users to read through reliable news that are verified by the news agencies. To achieve this, we reward them with USDT on Algorand. To encourage users to consistently spend more time on our platform reading news, we have a custom reward function based on user engagement. We can define user engagement based on following factors:

1. Daily/Weekly/Monthly Active Usage (checking the application/website at least every day/every week/every month).

2. Each time the user reads a news, they get USTD proportional to the amount of time they spend (the proportionality coefficient will be TBD)

Rough code outline would be:

1. User finishes reading news and upon exiting out of the news, we make a POST request to our server with relevant data:

POST <chainfact\_server\_end\_point> username=AliceBob&user\_id=12345678&time\_spent=5min&news=URL.......

2. Server saves this information in the user database to **process the amount of USTD the user should receive** according to below functions:

function calculate\_reward(user\_id, time\_spent) {

// Query the user database to retrieve all relevant information for the user such as daily usage, weekly usage

var user\_related\_meta\_data = retrieve\_user\_data(user\_id);

// Use the all relevant historic data on user to calculate reward based on user history

var reward\_amount\_hist = reward\_function\_on\_user\_history(user\_related\_meta\_data);

// Use the amount of time the user spent reading this one particular article

var reward\_amount\_inst = reward\_function\_instant(time\_spent);

return reward\_amount\_hist + reward\_amount\_inst

}

function reward\_function\_instant(time\_spent) {

return time\_spent\*PROPOTIONAL\_COEF;

}

So whenever user **completes a new reading**, following logic will happen:

//Listen to post events

app.post(<chainfact\_server\_end\_point>, function(req, res) {

// retrieve relevant info

var user\_id = req.body.user\_id;

var time\_spent = req.body.time\_spent;

// calculate total amount

var value = calculate\_reward(user\_id, time\_spent);

// update user info on our database

updateUserInfoDatabase(user\_id, req.body);

// issue currency on algorand

issueUSTD(user\_id, value);

// note it was successful

res.send(200);

});