

## MOVIE TICKETING SYSTEM TOKEN

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### Defining parameters –

#### 1. Symbol : MTST

##### Reason –

It is an acronym of idea also it is easy to remember our token this way in a brief manner .

#### 2. Total supply : 10000

##### Reason –

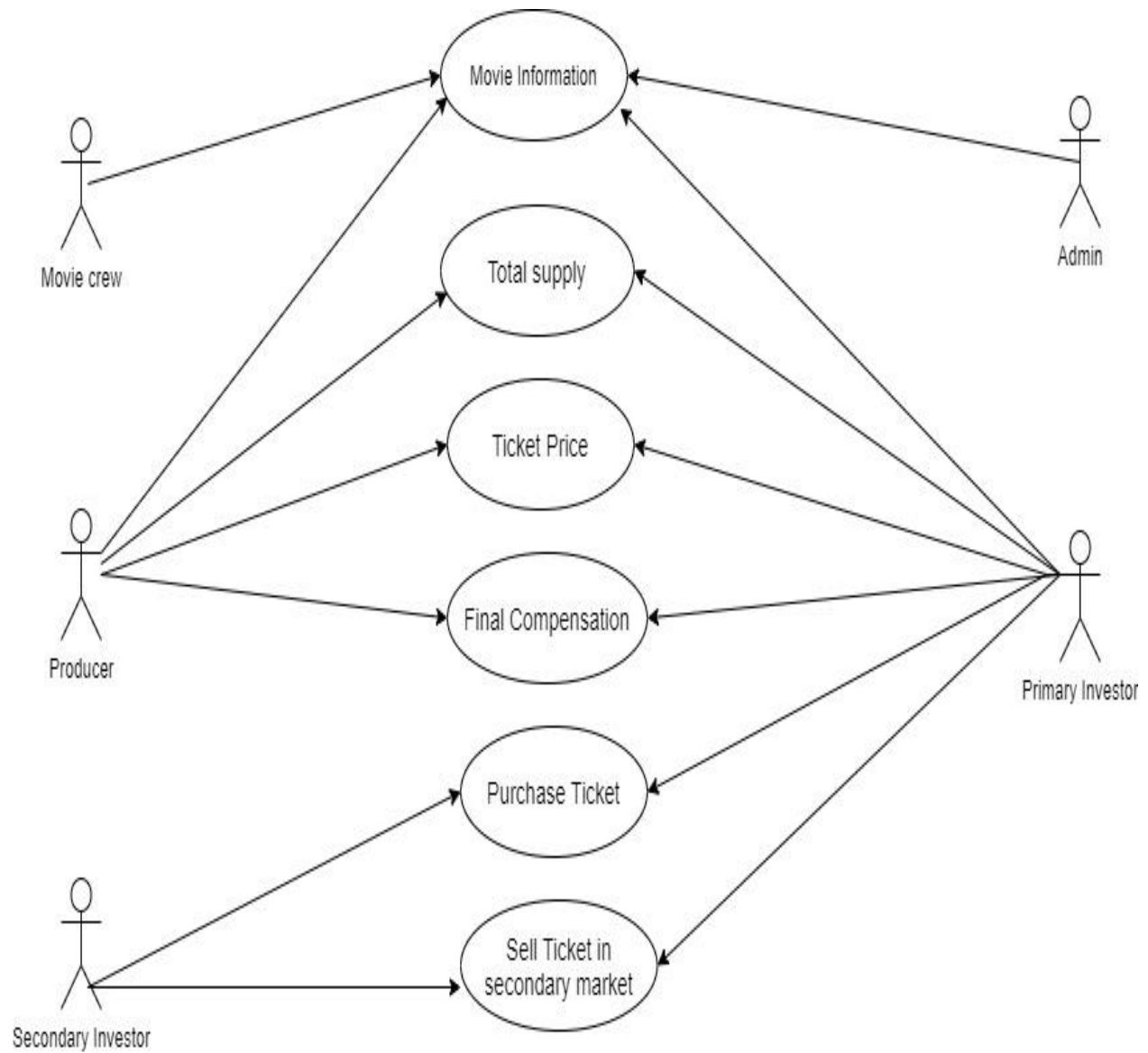
This is kind of pilot project that we want to implement on a smaller scale first. But we are very optimistic that it can be scaled to large scale systems.

#### 3. Number of decimal places : 18

##### Reason –

It was a deliberate decision to keep the decimal places as they are available. The well thought off reason is since movie production is a costly affair, and to make it with in the reach of a small scale investor who has interest in such business avenues.

## Use Case Diagram –



## Contract Diagram -

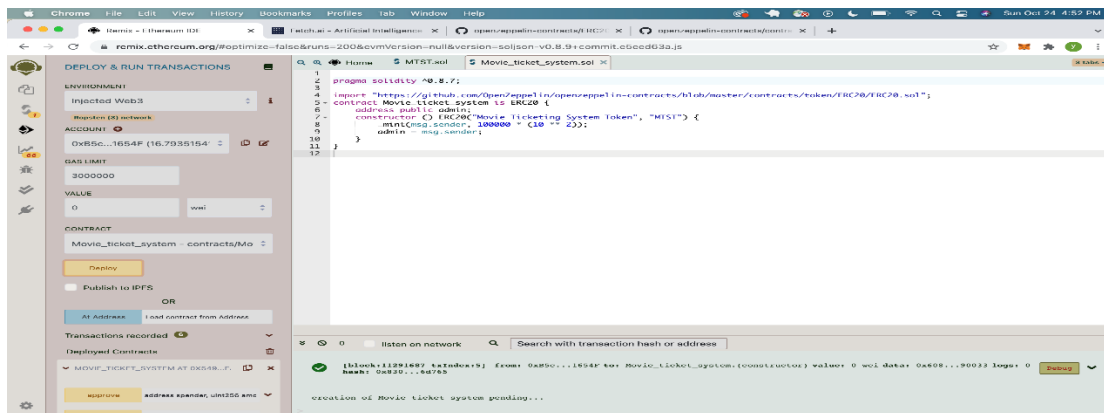
Movie Ticketing System
address Producer address PrimaryInvestor address SecondaryInvestor Unit 256;(Ticketsforsale) Unit 256;(Ticketsprice) Unit 256;(Totalprice) Unit 256;(Totalsupply) mapping (Unit 256 => Ticketdetails) mapping (Unit 256 => Purchasedtickets)
event Purchase() event Create()
modifier invalidticketcount() modifier invalidsellamount()
constructor() transferTicket() secondaryTrasnfer() setSaleDetail() getTicketPrice() getProducer() ticketCount() getNextSaleTicketID() getTicketDetails() getTicketForSale() isInvestorExist() isSaleTicketAvailable() removeTicketFromCustomer() removeTicketFromSale()

## Deployment and testing instructions –

1. Compile the **.sol** file in the remix.
2. First test in any inbuilt virtual environment , for example London/ berlin VM etc. The deployment should go through successfully.
3. We can see the gas fee deduction from test account. This implies successful deployment.
4. Connect the meta mask to the remix website, and ensure you have some test ether in your account, otherwise one can obtain it from ropsten faucet.
5. The deployment environment should be changed to Injected web3, the metamask address will be automatically updated in account address.
6. On tapping deploy button, a confirmation transaction message comes to the metamask account where one has to accept/ reject the contract.
7. On accepting it, it gets deployed on to ropsten faucet, and one can see the transaction details.

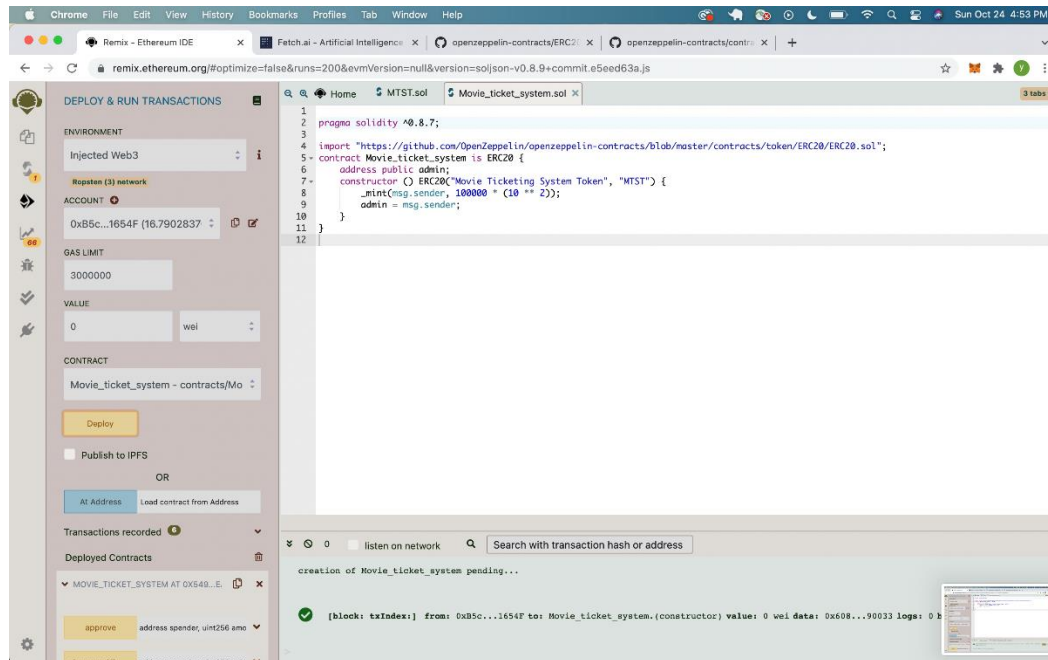
## Screenshots (Proof of deployment) –

1.



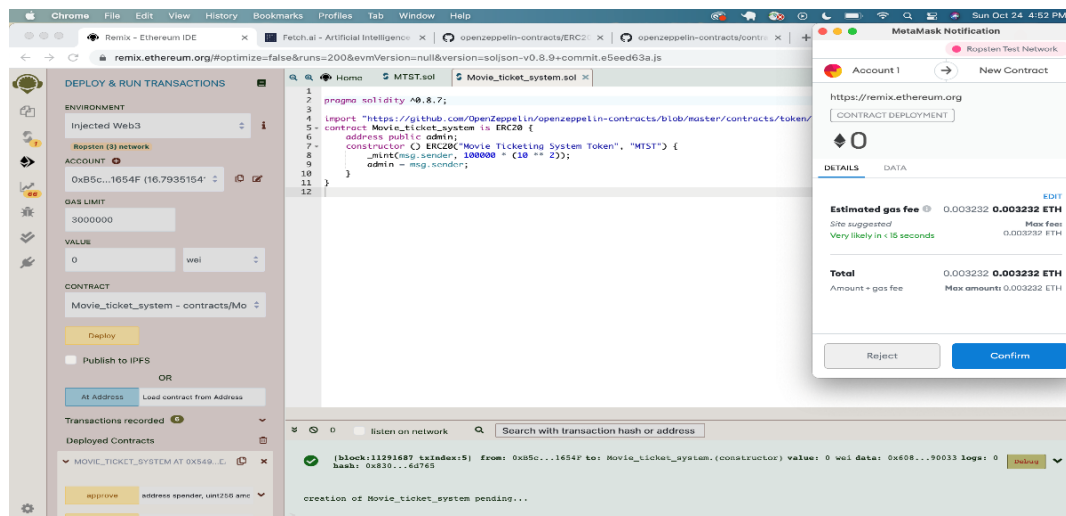
This screen shot is the immediate one post tapping the deployment tab after the compilation of the program. We can observe the **execution of Movie ticket\_system pending...**

2.



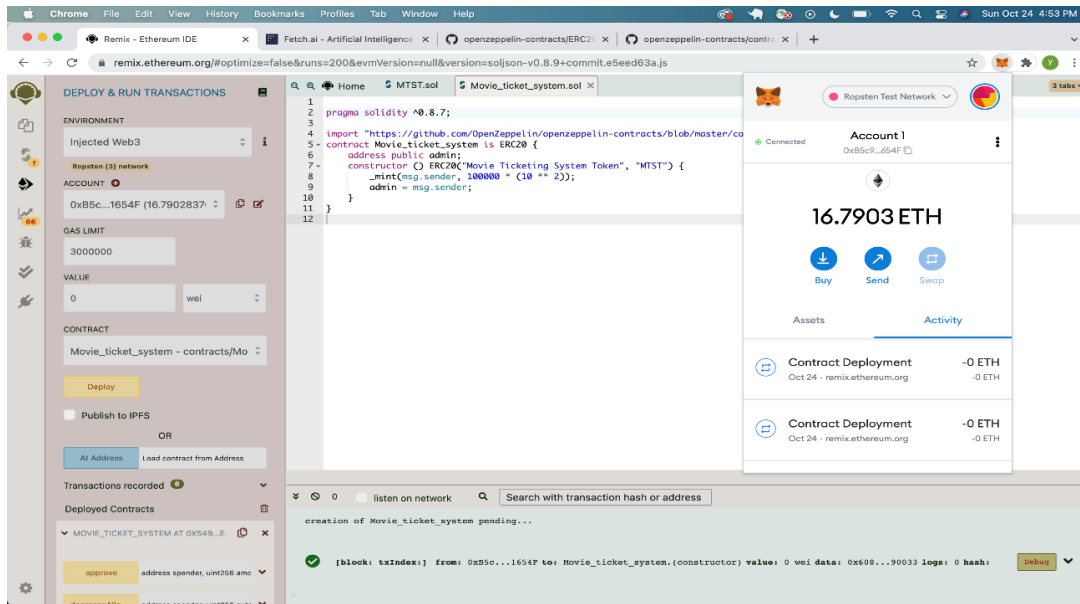
Success Message can be observed in the screen shot above.

3.



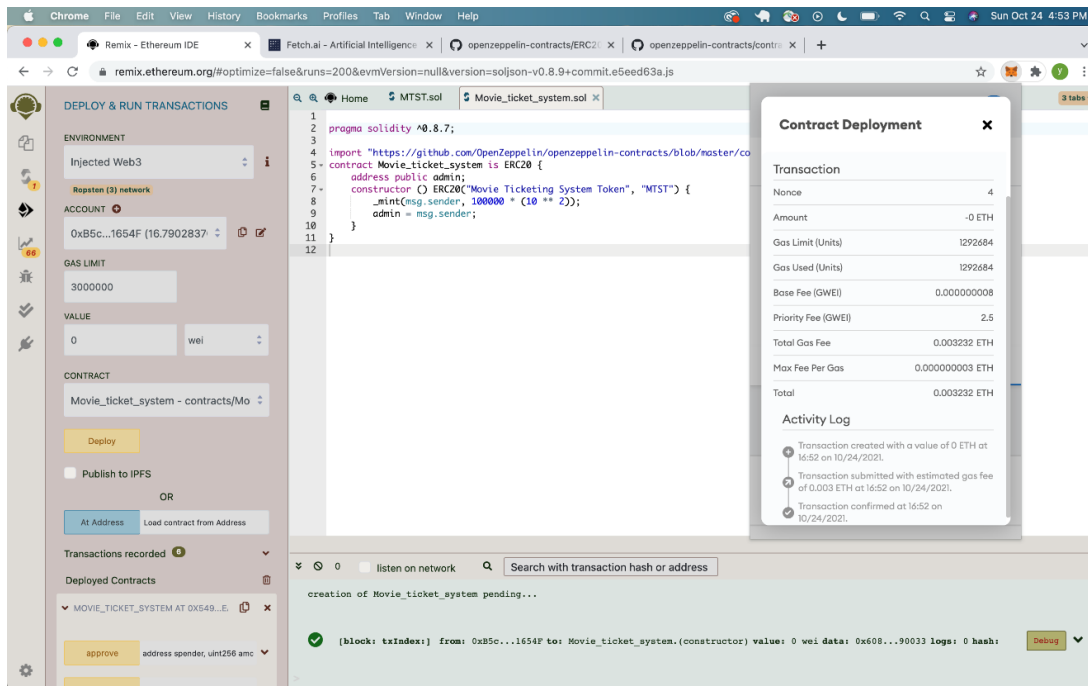
New contract confirmation popup in my meta mask Ropsten network

4.



Contract Deployment Complete status

5.



Contract Deployment details