



JULY 2025 REPORT

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Software Engineer and Haskell Plutus Developer at Wims Cardano...

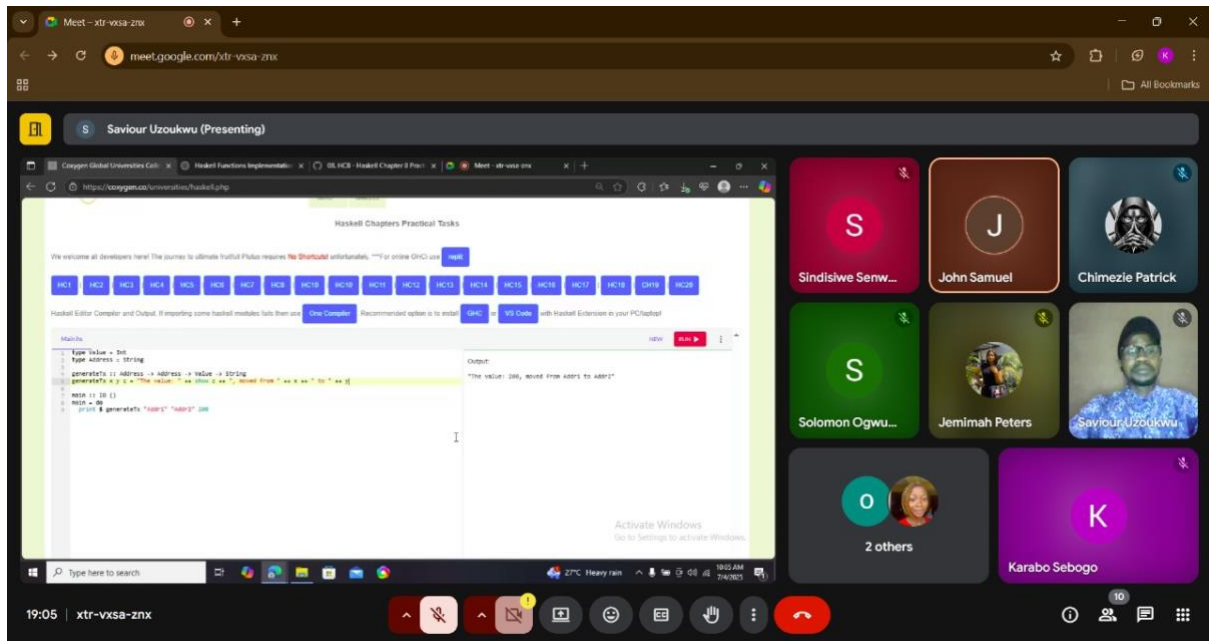
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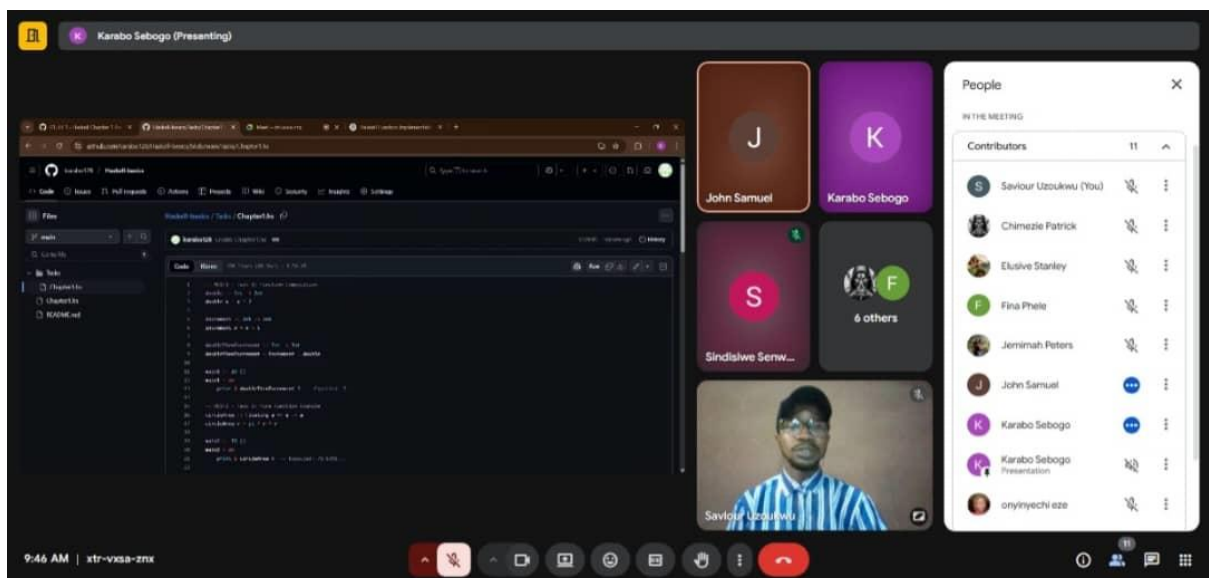
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Facilitation (Group: G008) and general meetings

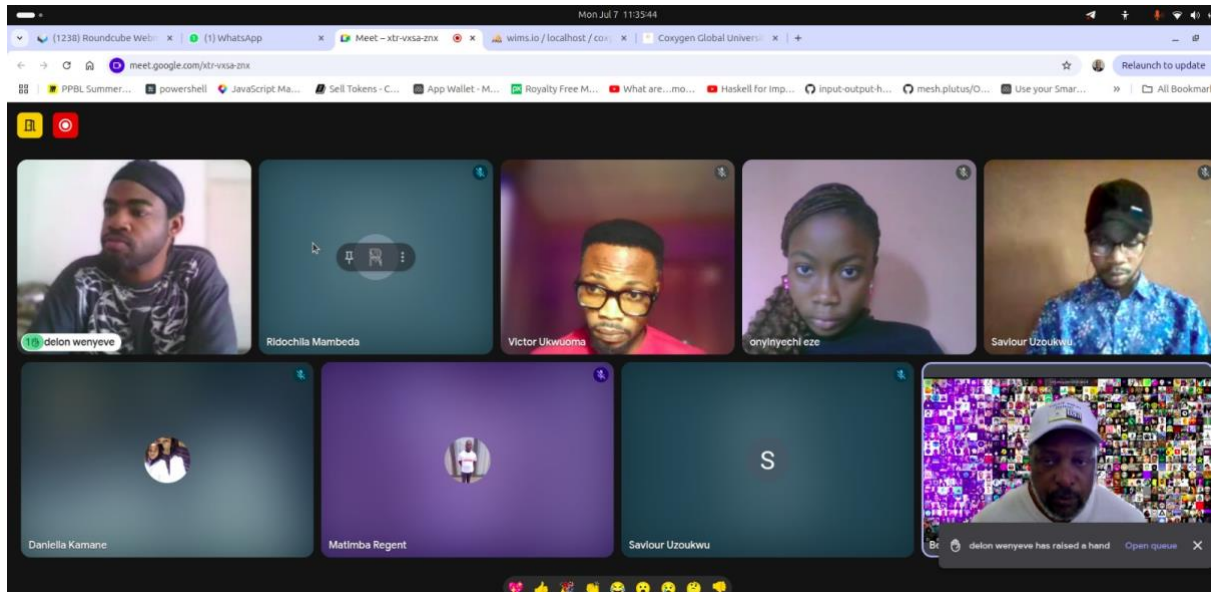
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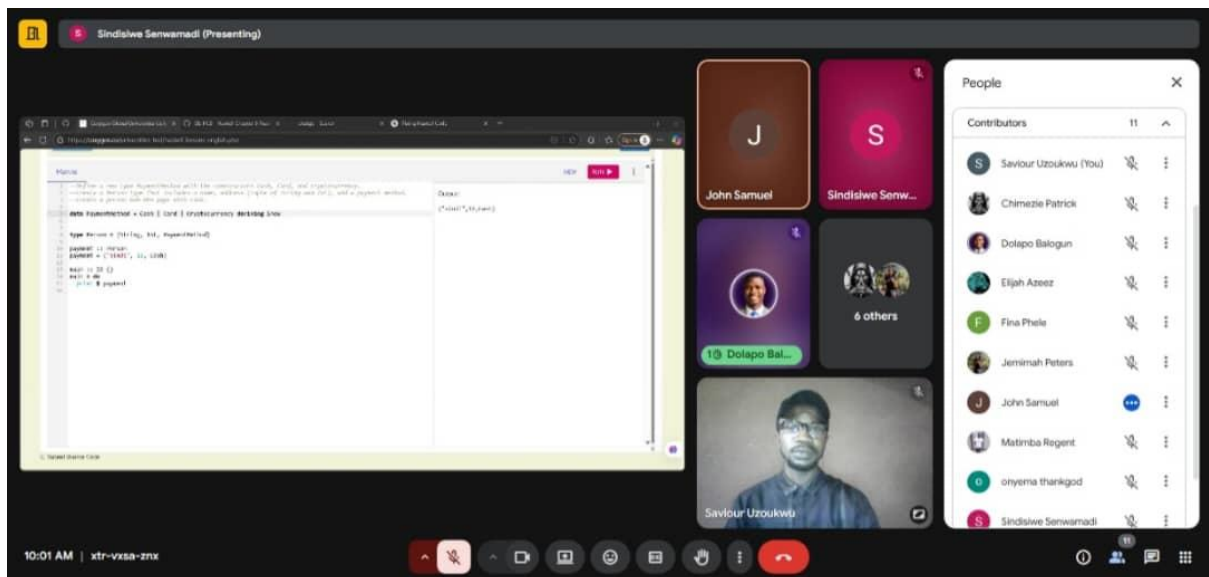
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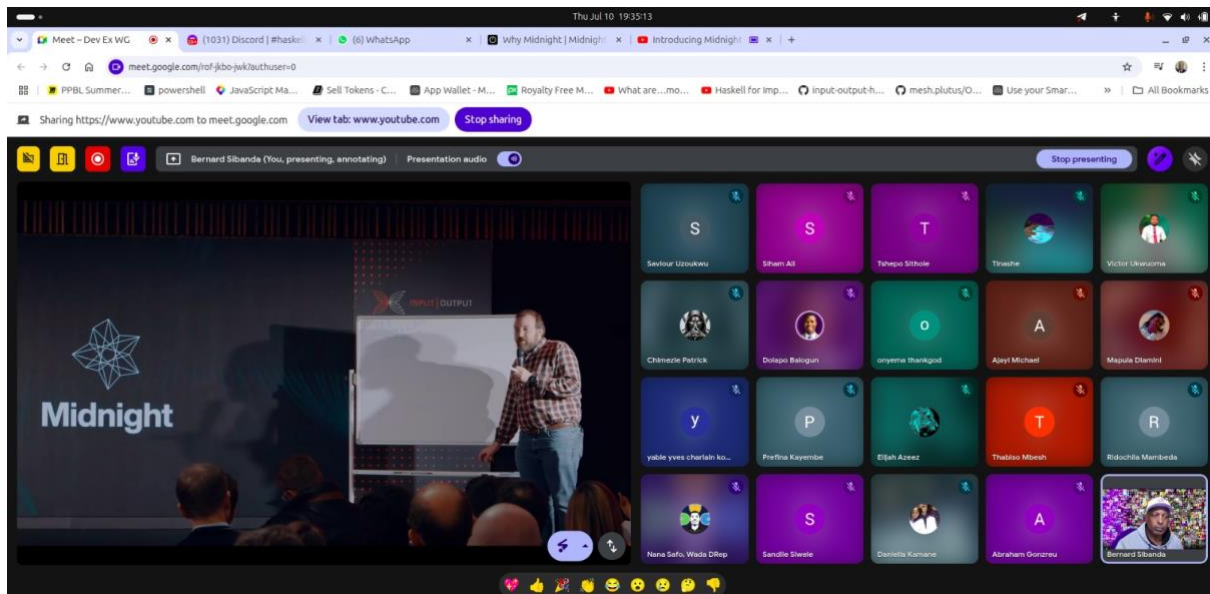
7/7/25, General meeting with Mr Bernard and facilitators



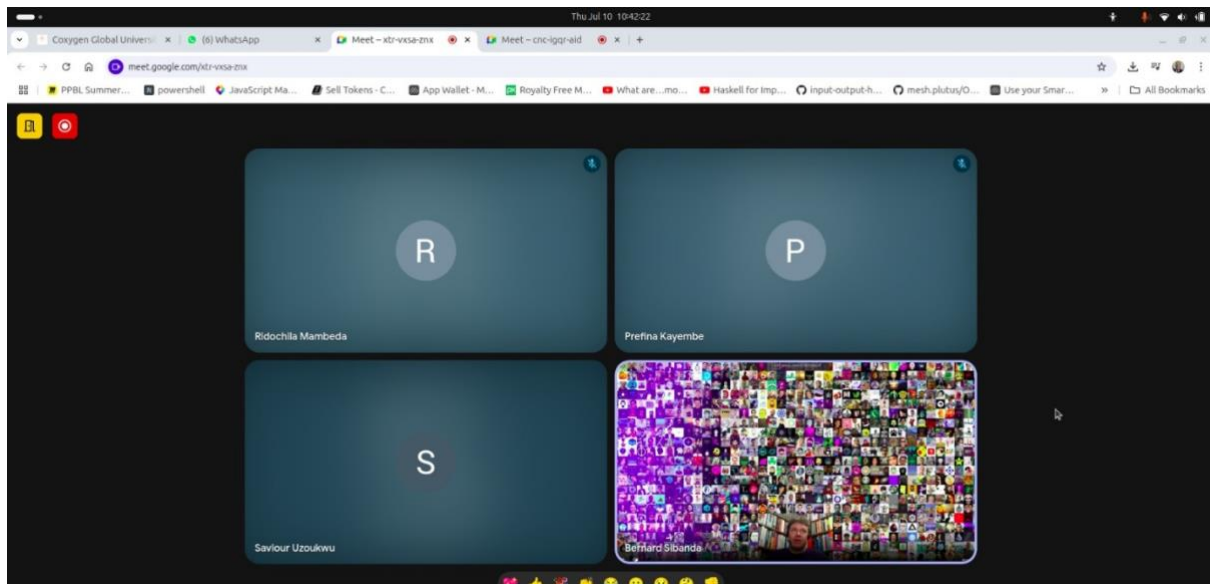
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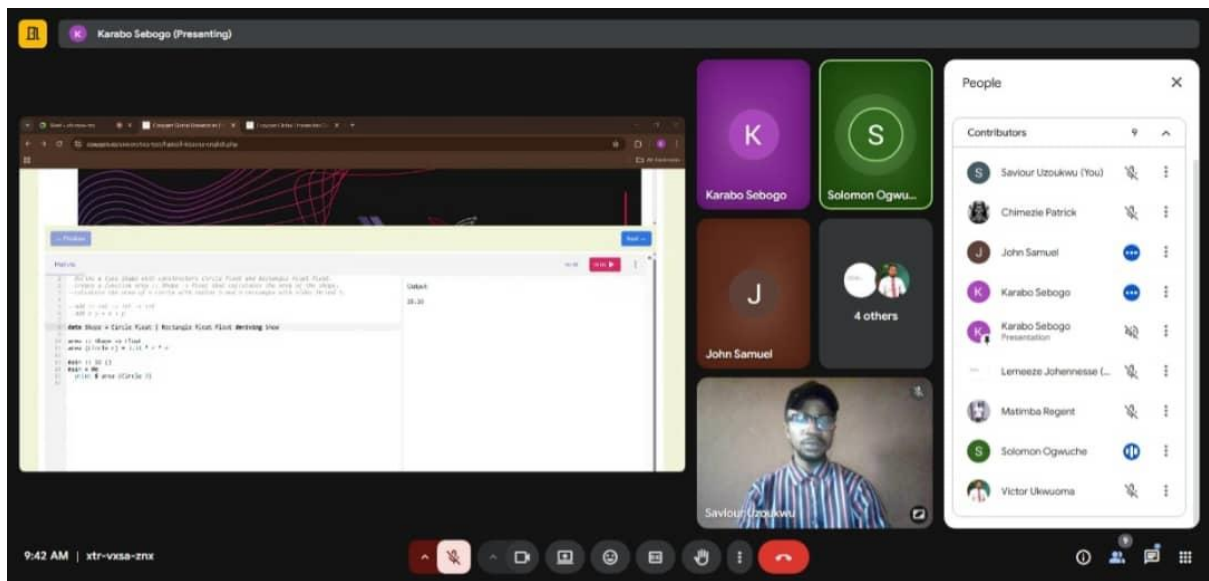
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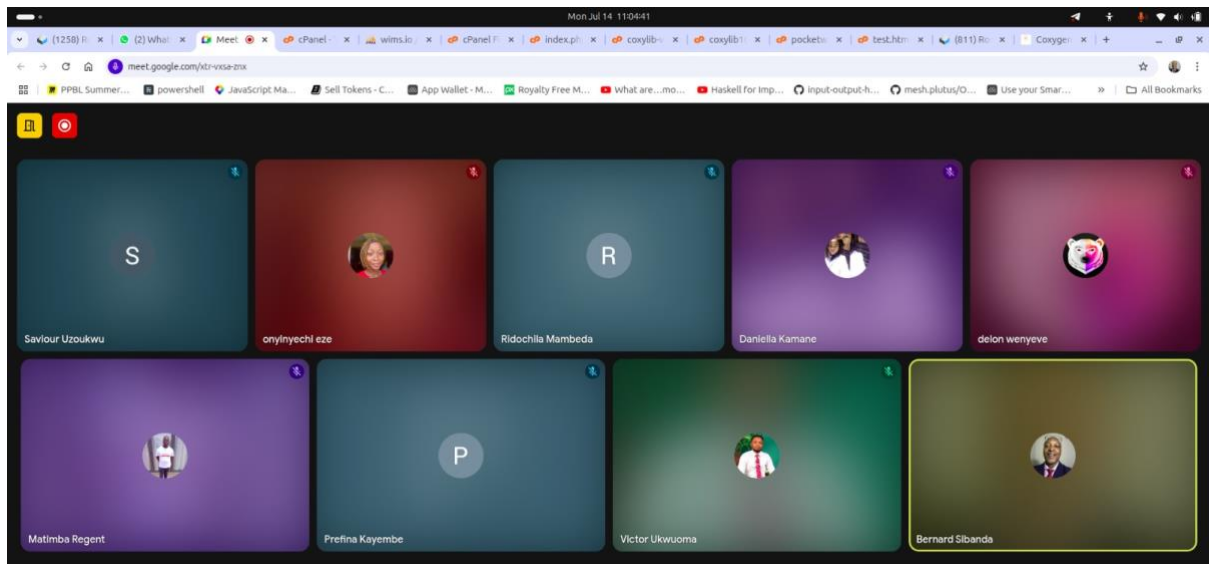
7/10/25, General meeting with Mr Bernard S and facilitators



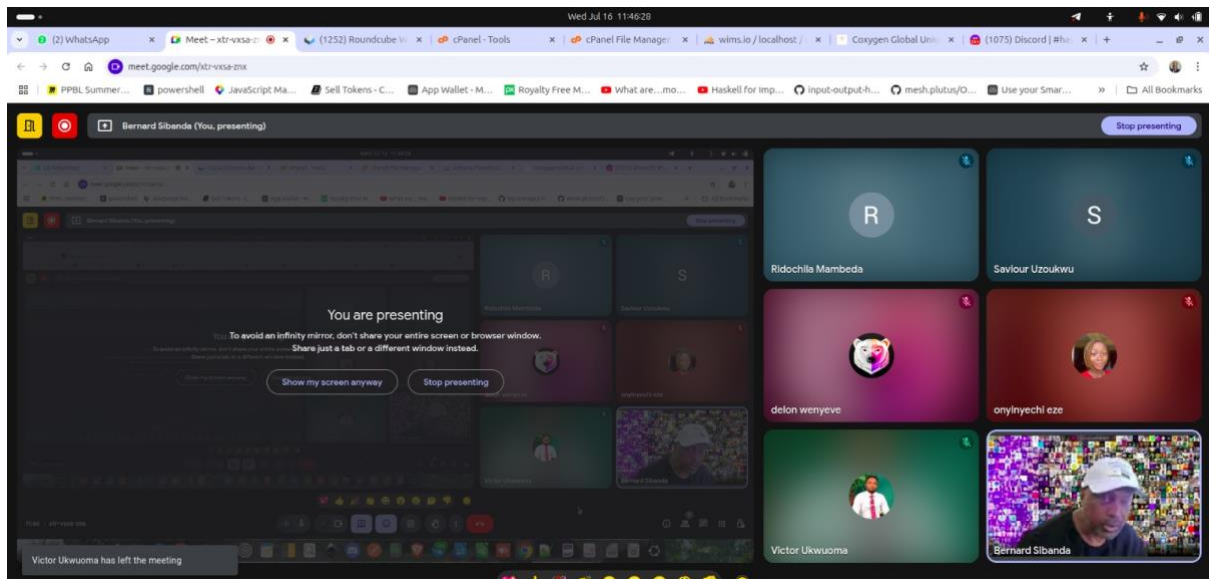
7/11/25, Fourth weekly meeting with student developers



7/14/25, General meeting with Sir Bernard and Facilitators



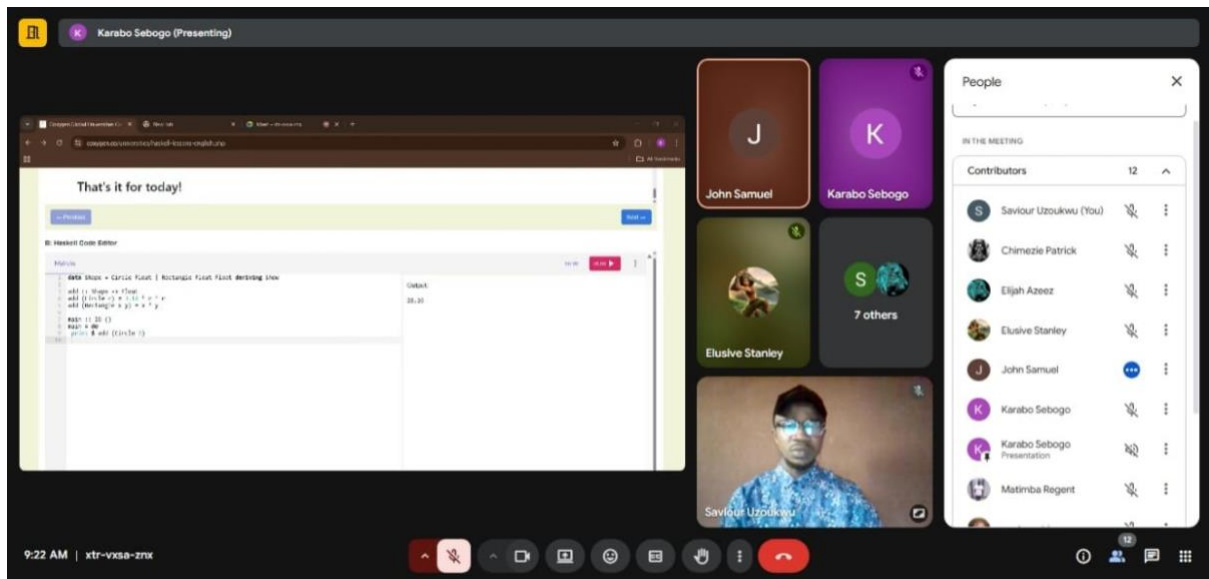
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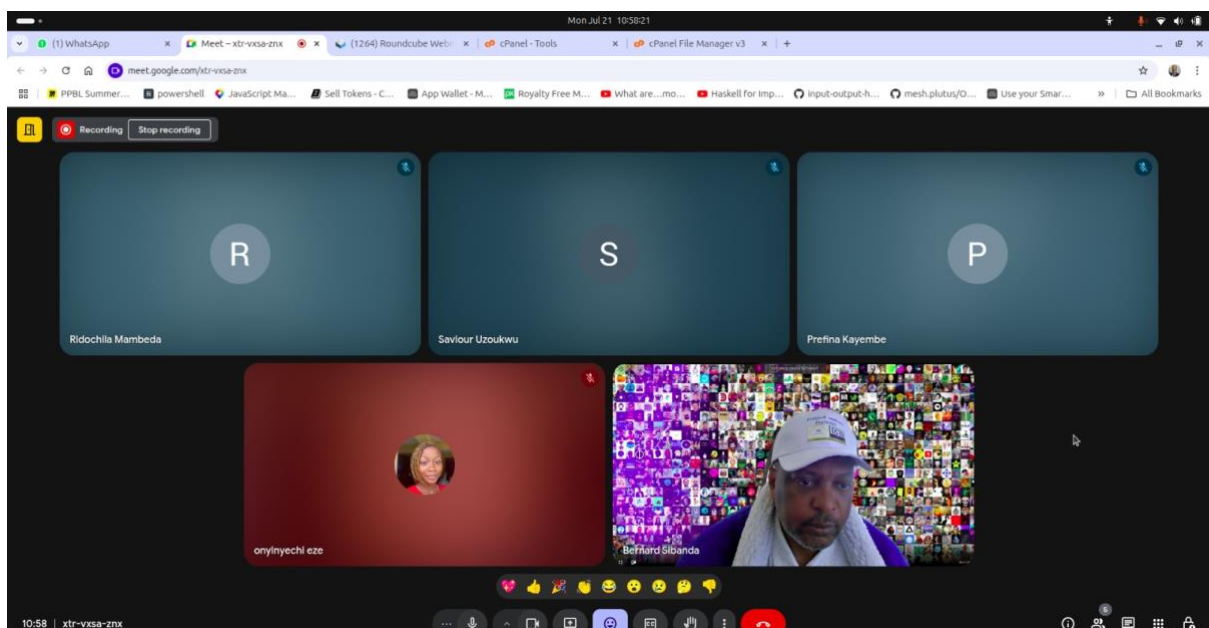
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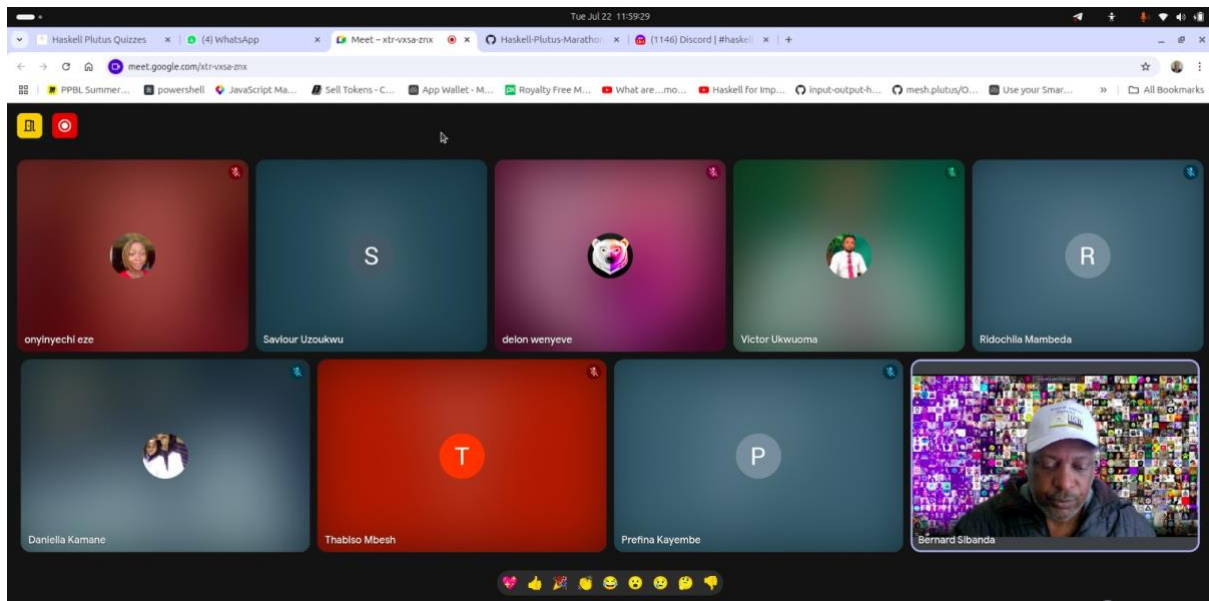
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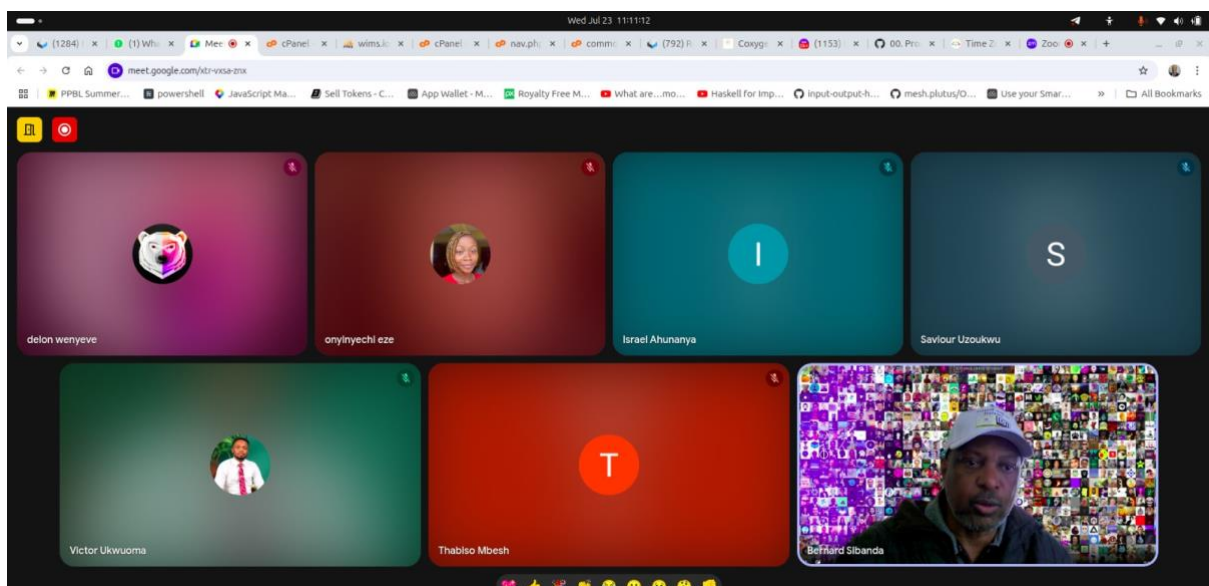
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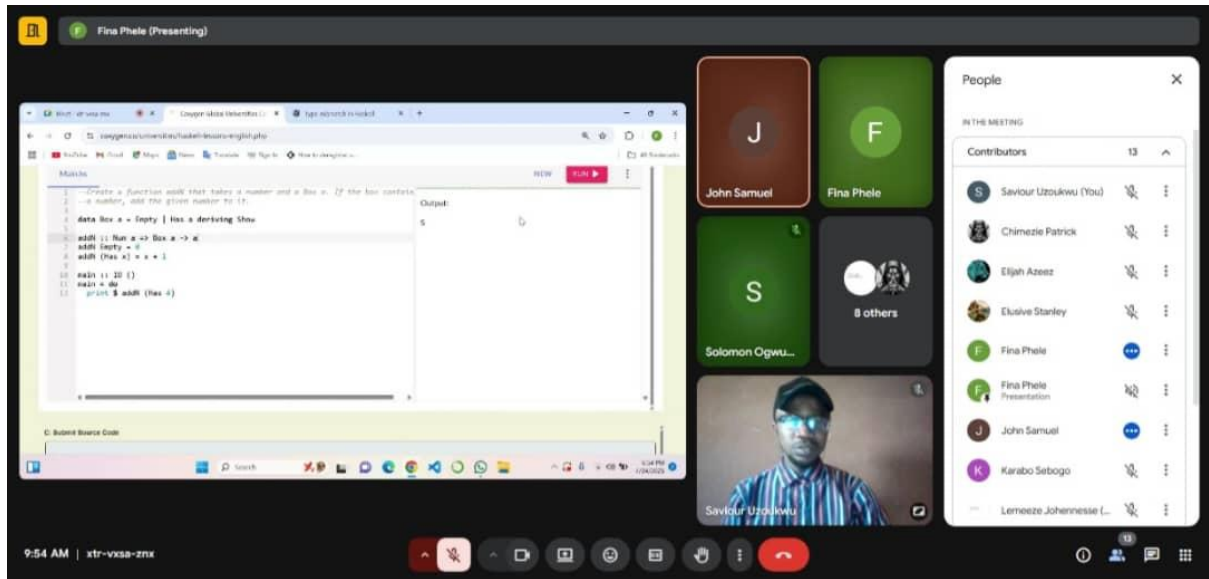
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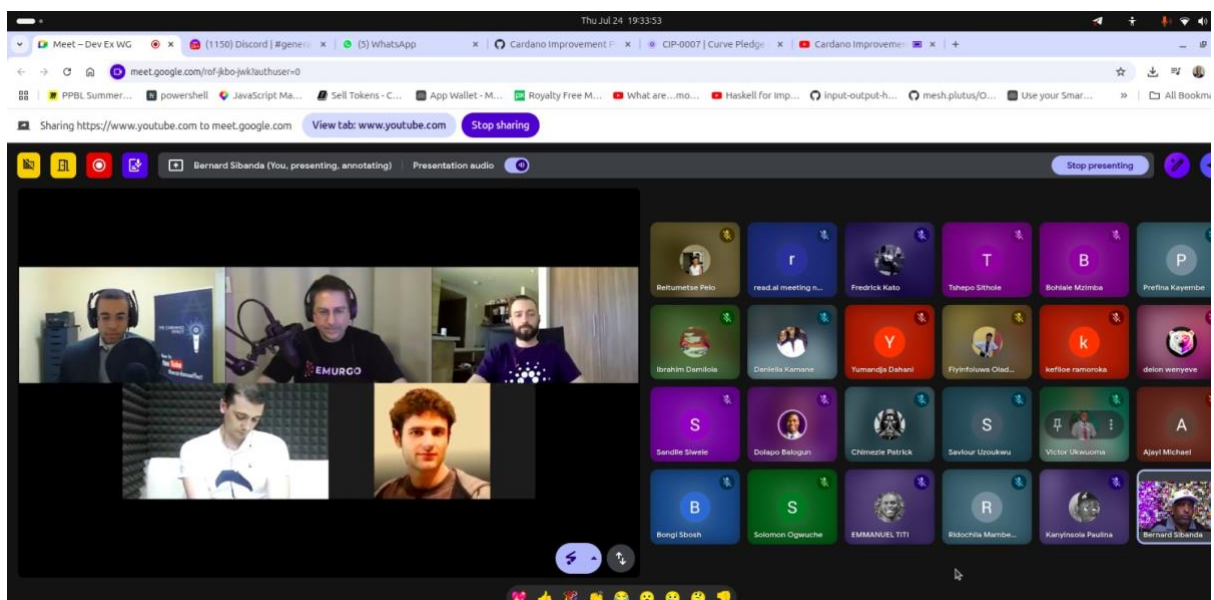
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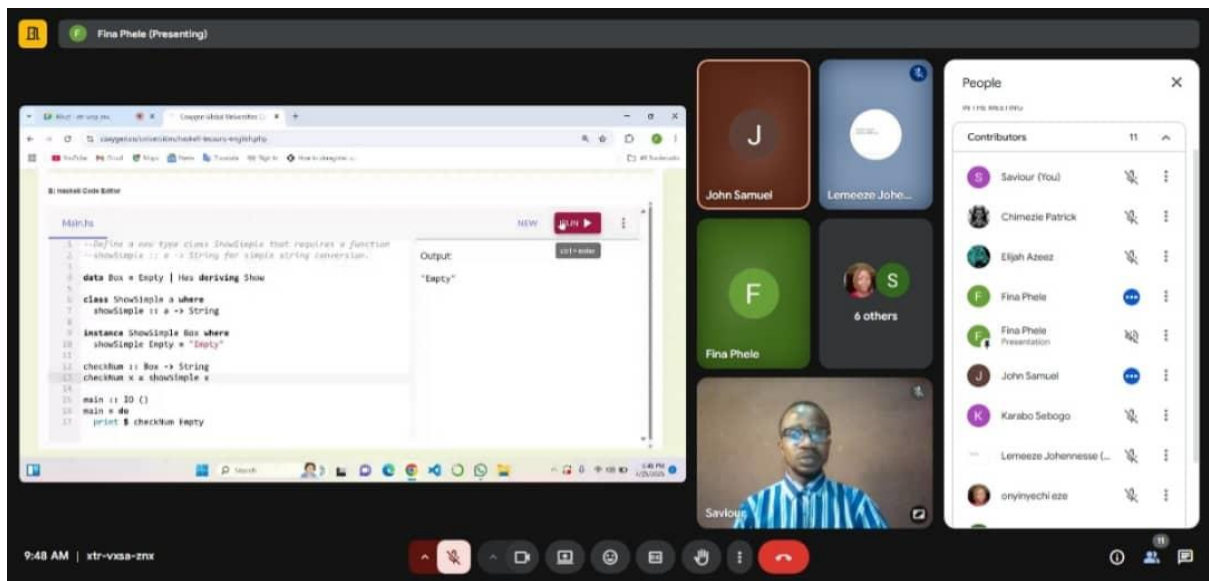
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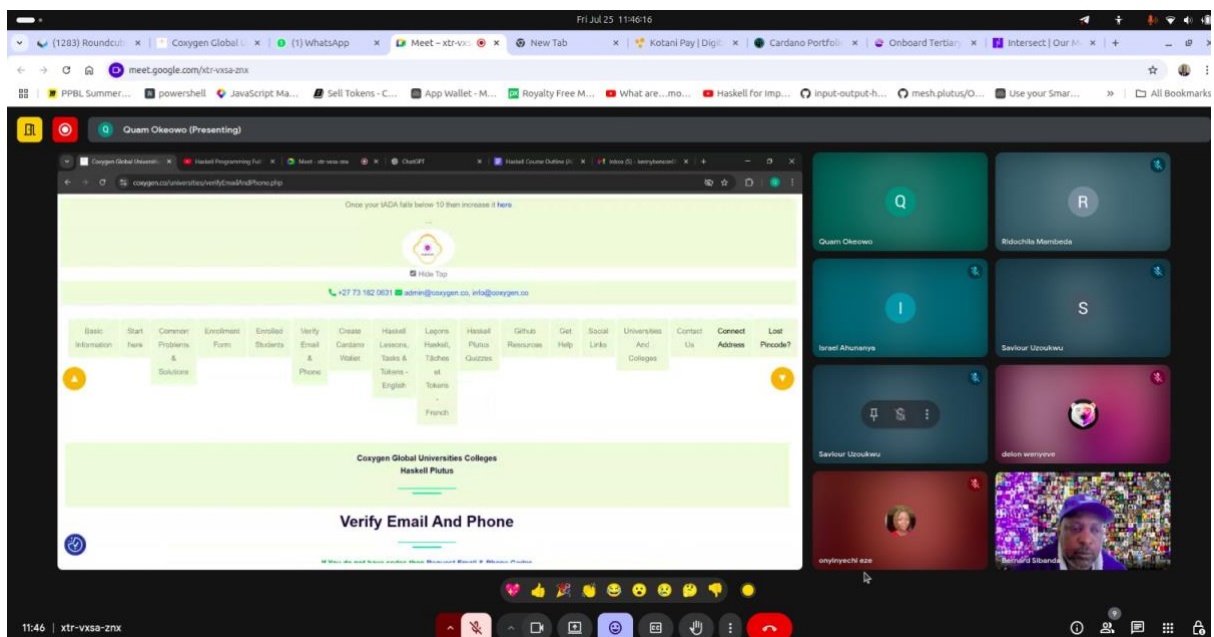
7/24/25, Dev Ex meeting with Mr Bernard and student developers



7/25/25, Eight weekly meeting with student developers

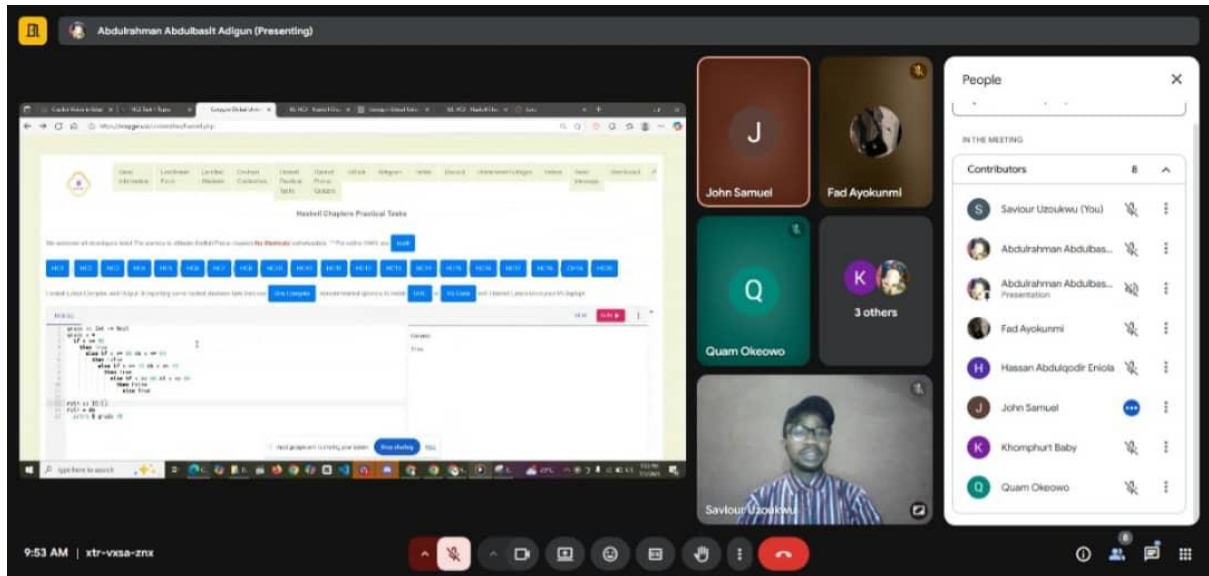


7/25/25, General meeting with Sir Bernard and Facilitators

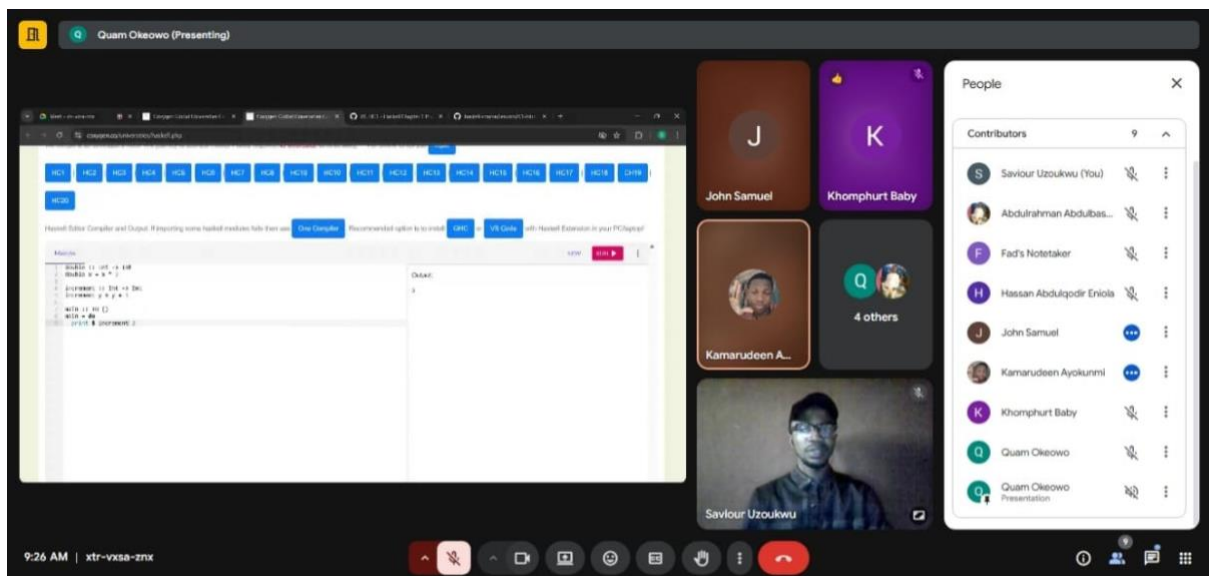


Facilitation (Group: G016) and University of Lagos Nigeria

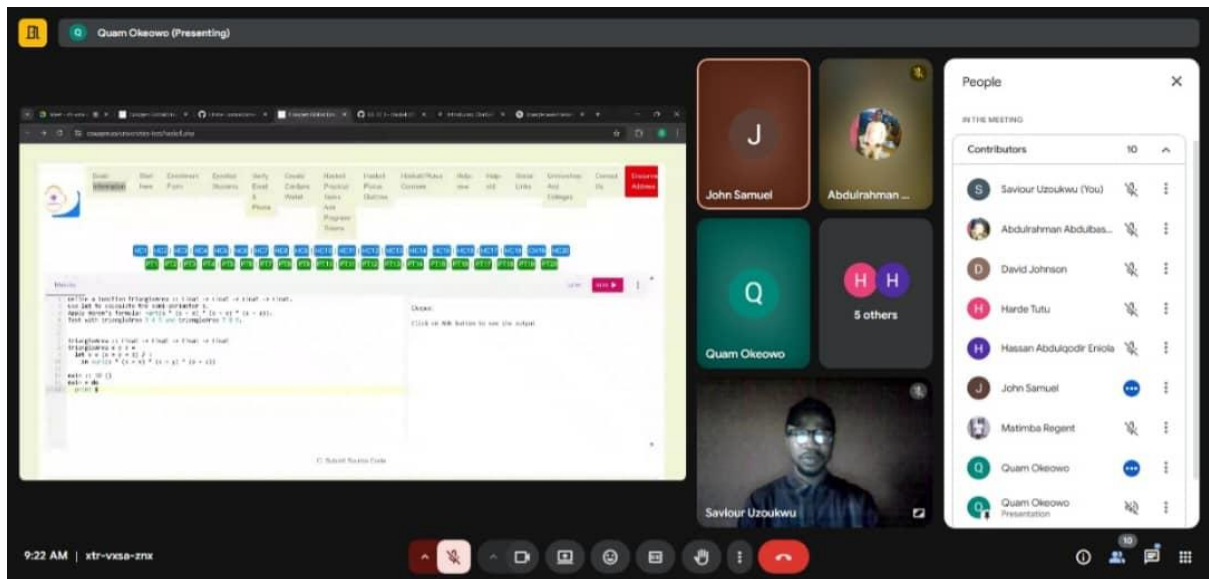
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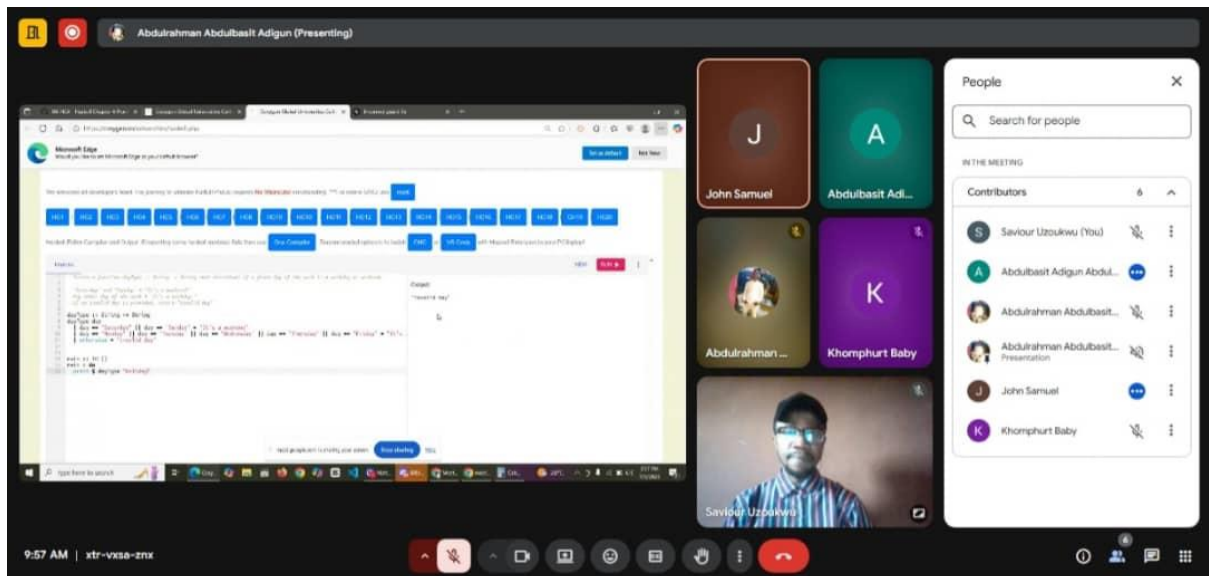
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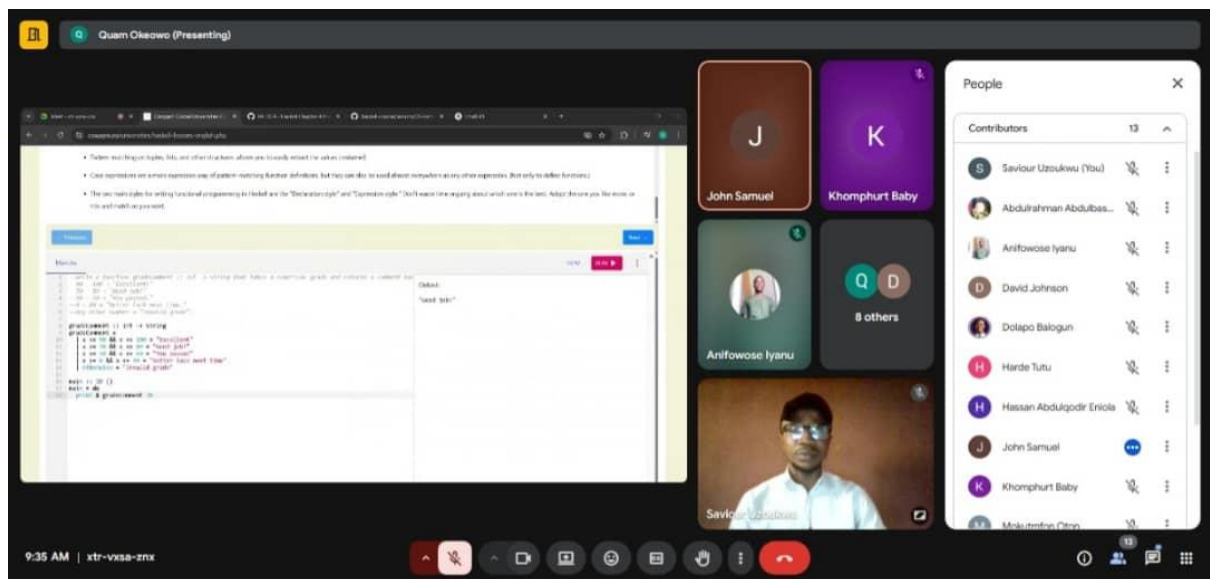
7/8/25, Third weekly meeting with student developers



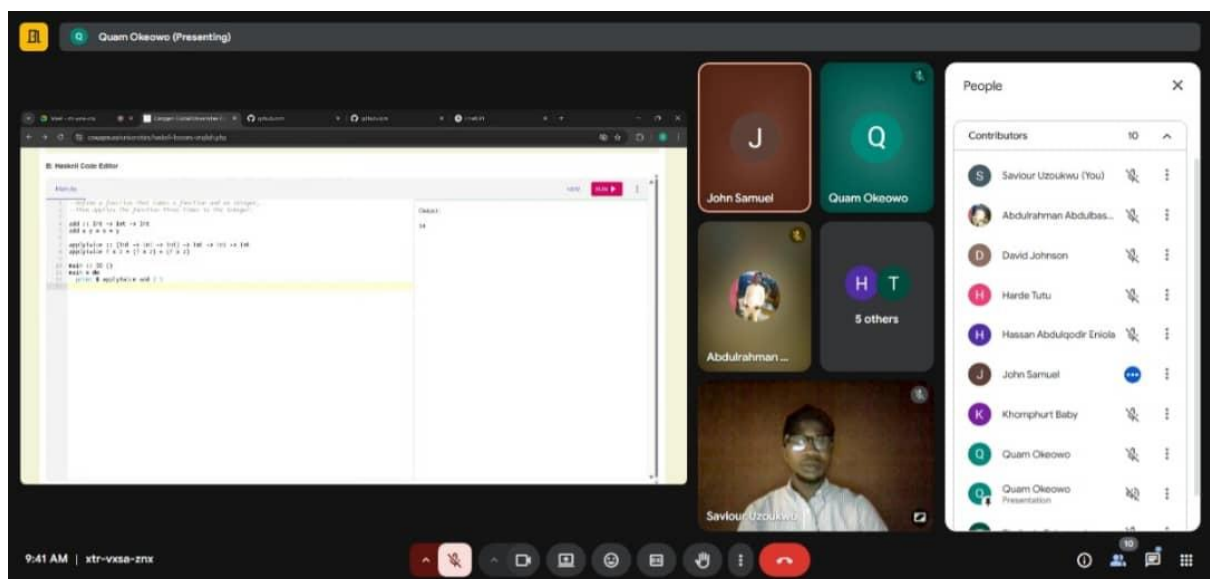
7/9/25, Fourth weekly meeting with student developers



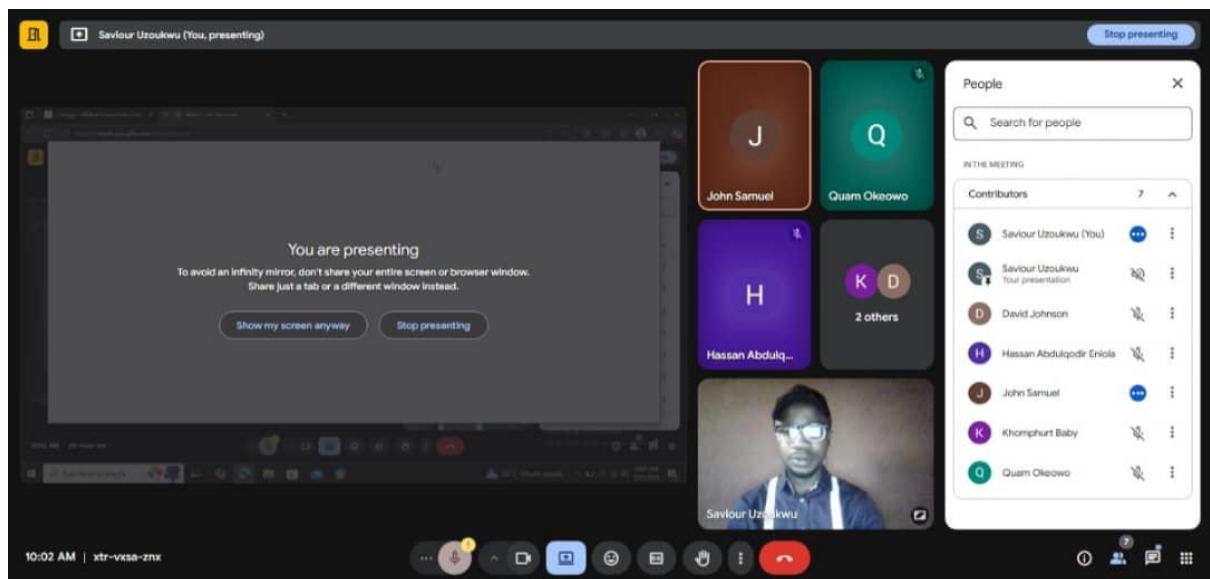
7/15/25, Fifth weekly meeting with student developers



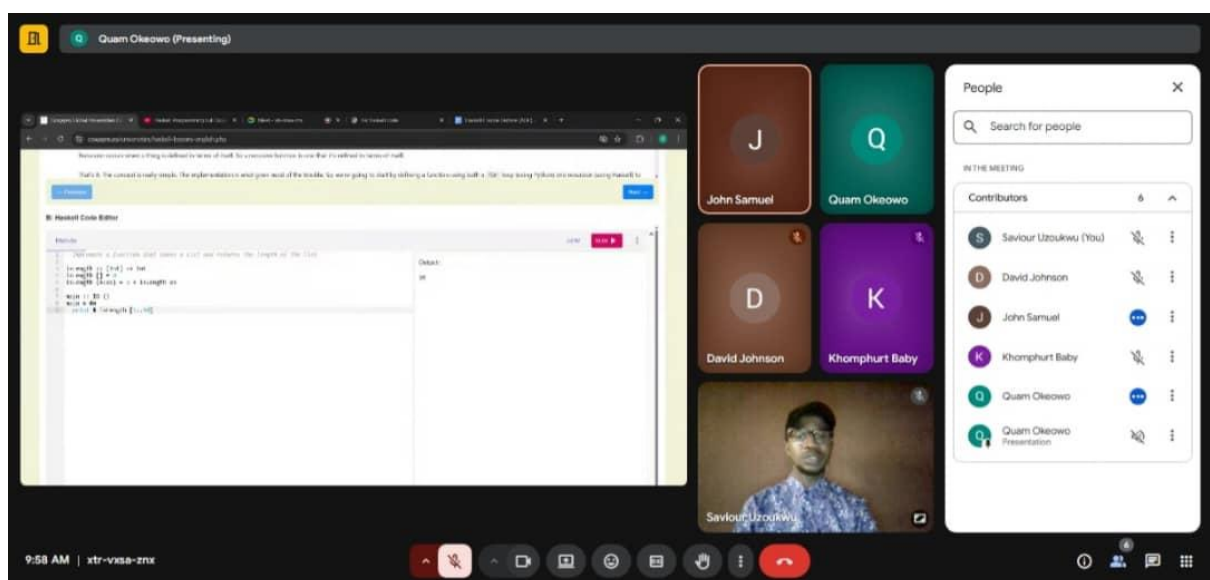
7/16/25, Sixth weekly meeting with student developers



7/22/25, Seventh weekly meeting with student developers



7/23/25, Eight weekly meeting with student developers



Developer Session And Source Codes

Nft Marketplace

I was able to create a mock Nft marketplace that allows minting, buying and selling Nfts

I was also able to get all the needed source codes to set up my nix environment.

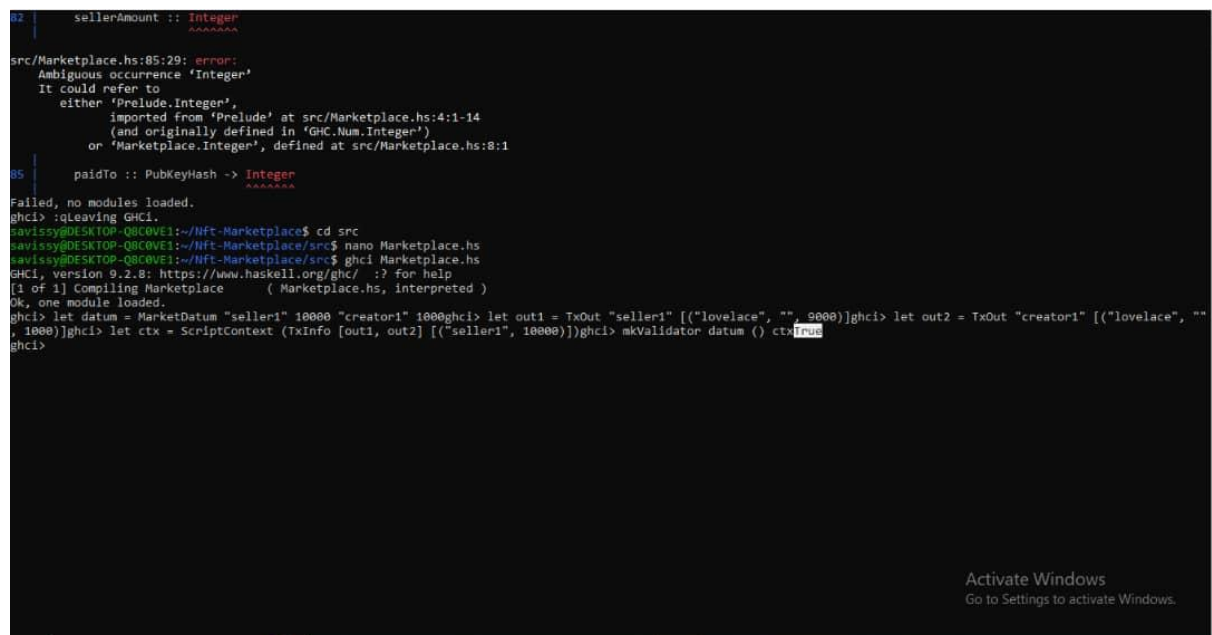
I was able to properly test the source code for the Nft marketplace using my fully developed nix environment.

Here is the link to the GitHub repository:

<https://github.com/Savissy/Nft-Marketplace>

Testing:

Here is a screenshot of the test case of the buying and selling of Nft in the mock Nft marketplace in my fully developed nix environment. It returned **TRUE**



```
82 |     sellerAmount :: Integer
    |                   ^^^^^^^
src/Marketplace.hs:85:29: error:
  Ambiguous occurrence 'Integer'
  It could refer to
    either 'Prelude.Integer',
       imported from 'Prelude' at src/Marketplace.hs:4:1-14
       (and originally defined in 'GHC.Num.Integer')
    or 'Marketplace.Integer', defined at src/Marketplace.hs:8:1
85 |     paidTo :: PubKeyHash -> Integer
    |                               ^^^^^^^
Failed, no modules loaded.
ghci> :qLeaving GHCi.
savissy@DESKTOP-Q8C0VE1:~/Nft-Marketplace$ cd src
savissy@DESKTOP-Q8C0VE1:~/Nft-Marketplace/src$ nano Marketplace.hs
savissy@DESKTOP-Q8C0VE1:~/Nft-Marketplace/src$ ghci Marketplace.hs
GHCi, version 9.2.8: https://www.haskell.org/ghc/ :? for help
[1 of 1] Compiling Marketplace ( Marketplace.hs, interpreted )
Ok, one module loaded.
ghci> let datum = MarketDatum "seller1" 10000 "creator1" 1000ghci> let out1 = TxOut "seller1" [("lovelace", "", 9000)]ghci> let out2 = TxOut "creator1" [("lovelace", "", 1000)]ghci> let ctx = ScriptContext (TxInfo [out1, out2] [("seller1", 10000)])ghci> mkValidator datum () ctxTrue
ghci>
```

Testing 2:

Here is the second test case of the Nft minting in the mock Nft marketplace in my fully developed nix environment

```
savissy@DESKTOP-Q8C8VE1:~$ git clone git@github.com:Savissy/Nft-Marketplace.git
fatal: destination path 'Nft-Marketplace' already exists and is not an empty directory.
savissy@DESKTOP-Q8C8VE1:~$ cd Nft-Marketplace
savissy@DESKTOP-Q8C8VE1:~/Nft-Marketplace$ nix develop
warning: Git tree '/home/savissy/Nft-Marketplace' is dirty
savissy@DESKTOP-Q8C8VE1:~/Nft-Marketplace$ cd src
savissy@DESKTOP-Q8C8VE1:~/Nft-Marketplace/src$ ghci MintNFT.hs
GHCi, version 9.2.8: https://www.haskell.org/ghc/ :? for help
[1 of 1] Compiling MintNFT             ( MintNFT.hs, interpreted )
Ok, one module loaded.
ghci> let ctx = ScriptContext (TxInfo ["abc123"])ghci> policy "abc123" ((), ctx)True
ghci> policy "wrongpkh" (((), ctx)False
ghci> curSymbol "abc123"MockCurrencySymbolFor"abc123"
ghci>
```

Activate Windows
Go to Settings to activate Windows.