



## June 2025 REPORT

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Facilitator at G008-A, G016, and The University of Lagos, Nigeria Haskell Plutus Groups...

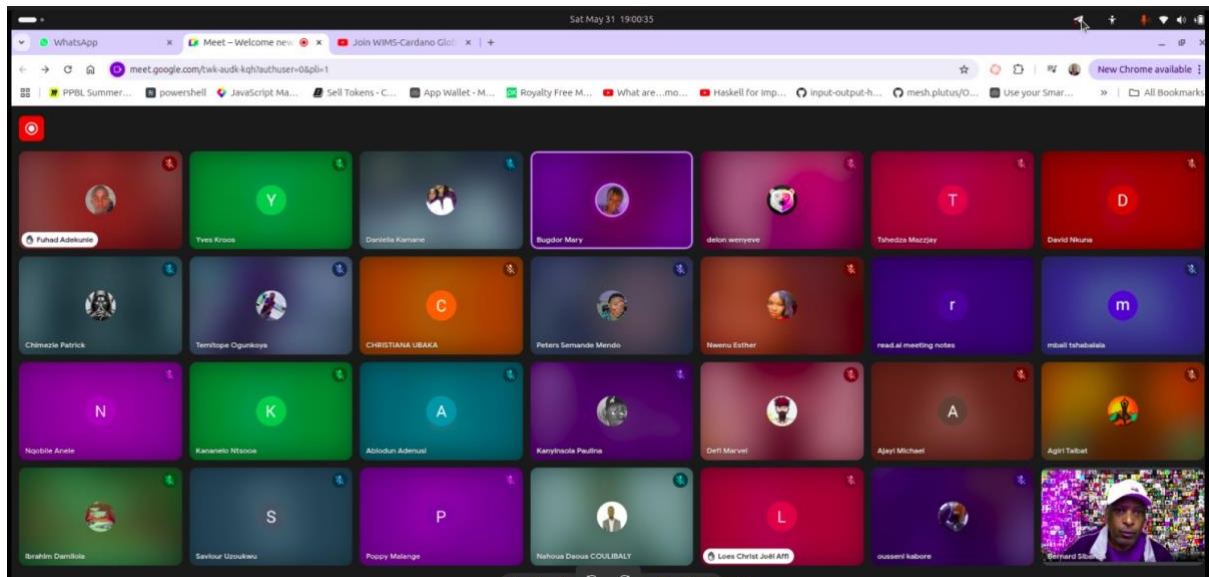
Software Engineer and Haskell Plutus Developer at Wims Cardano...

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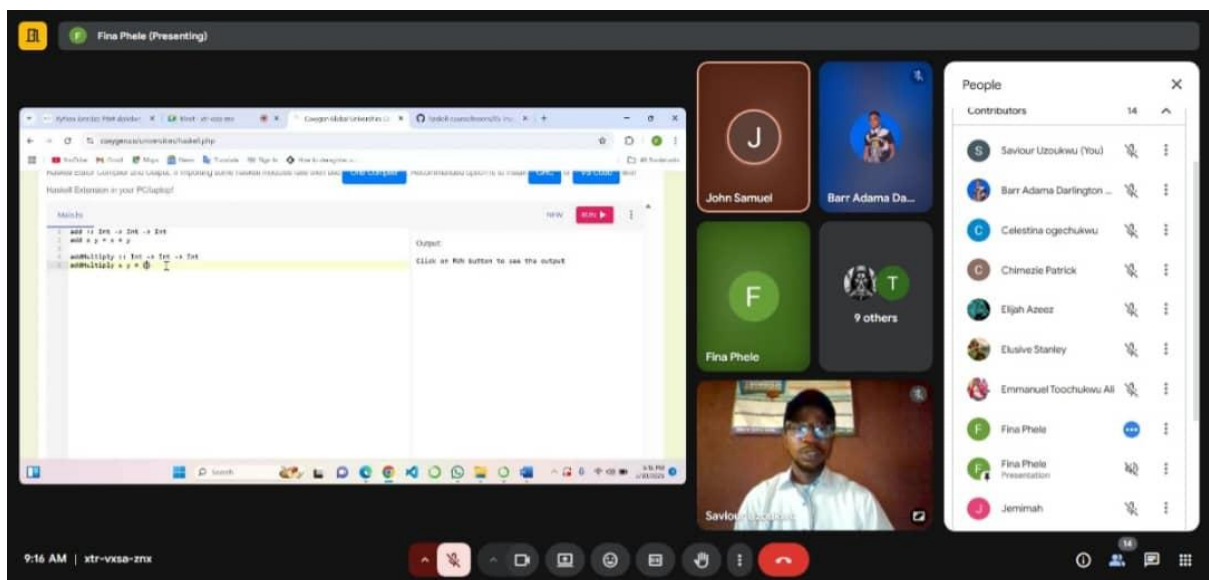
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## Facilitation (Group: G008) and general meetings

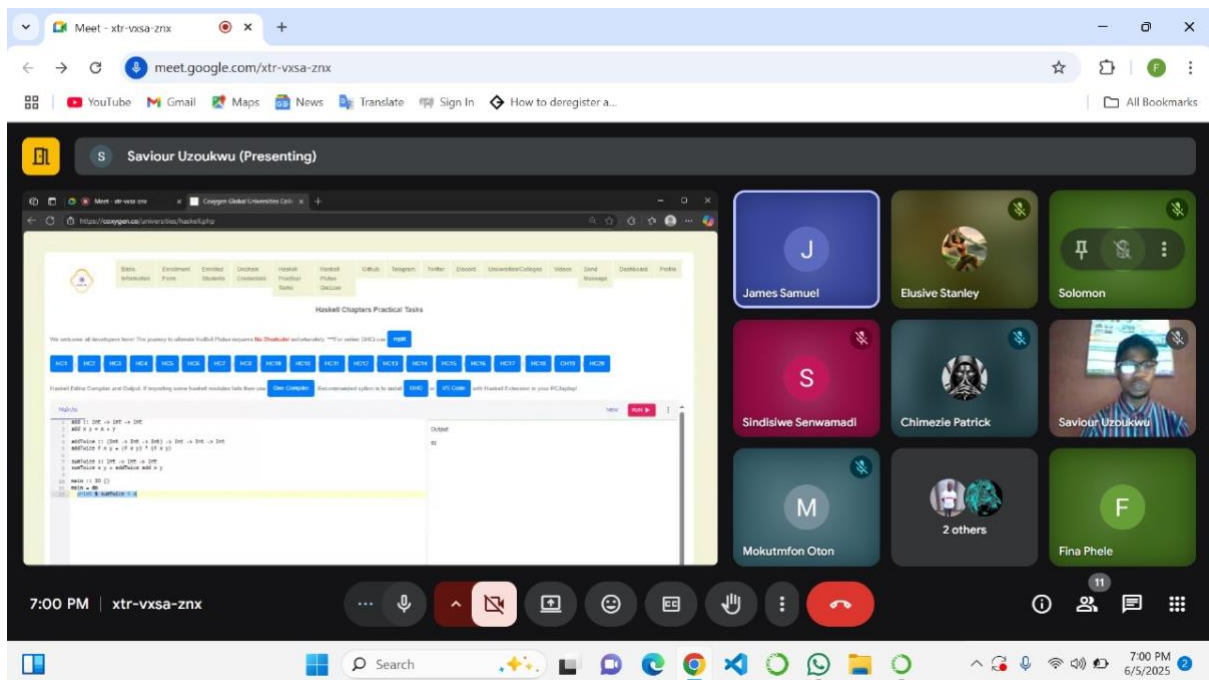
6/2/25 Live session with Mr Bernard S and all New Members:



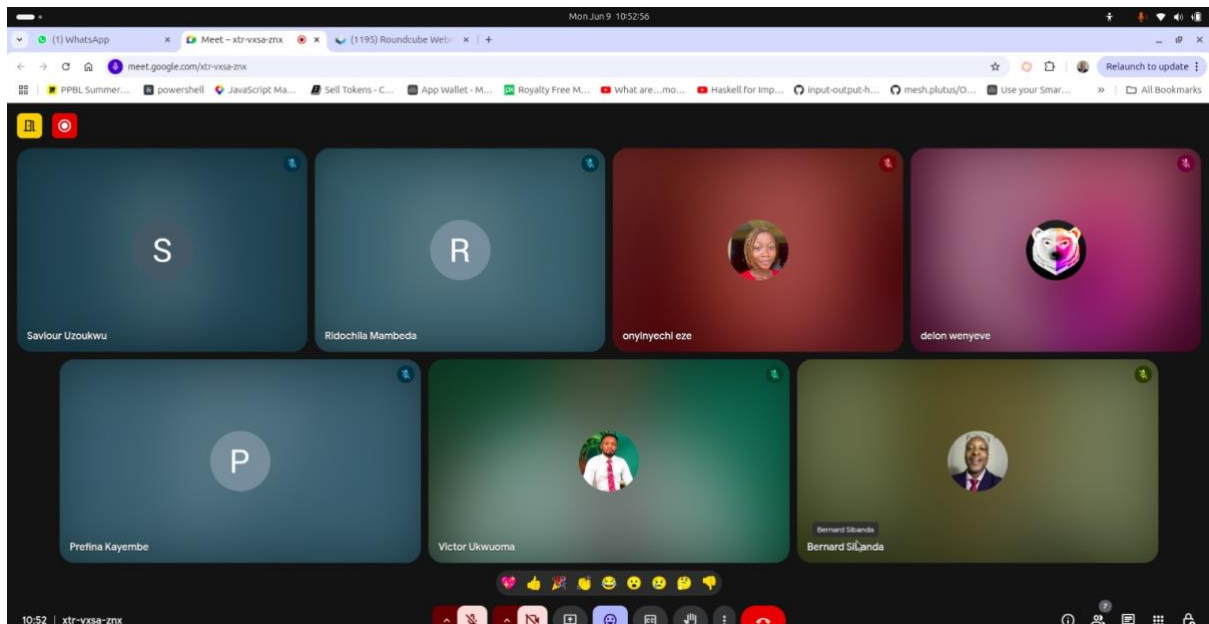
6/5/25, First weekly meeting with student developers:



## 6/6/25, Second weekly meeting with student developers

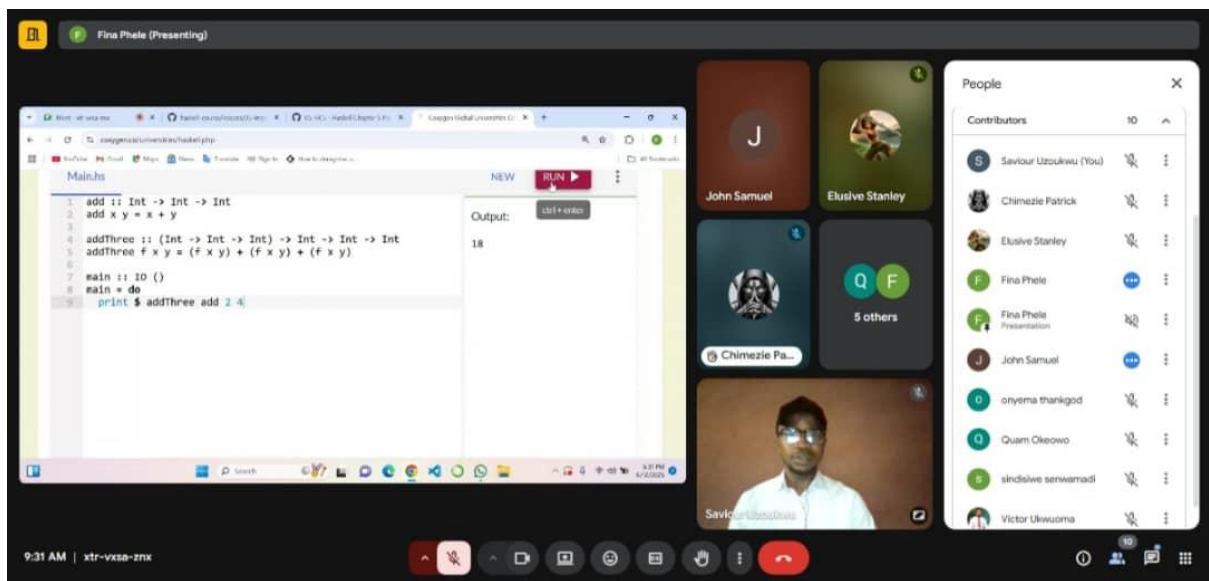


6/9/25, General meeting with Mr Bernard S and facilitators .

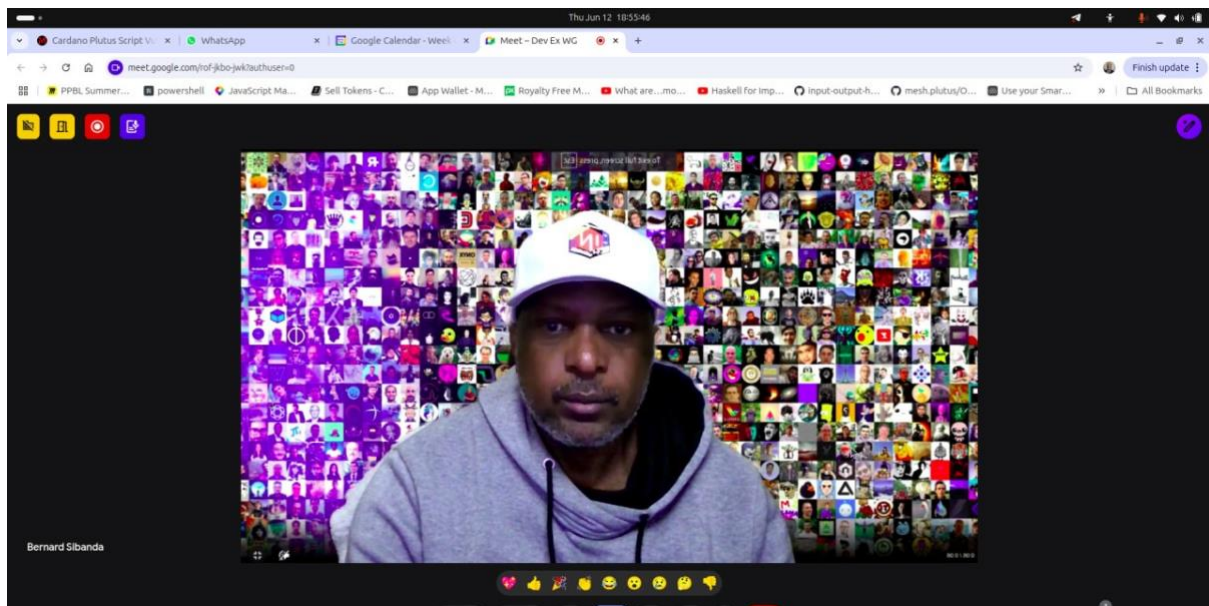




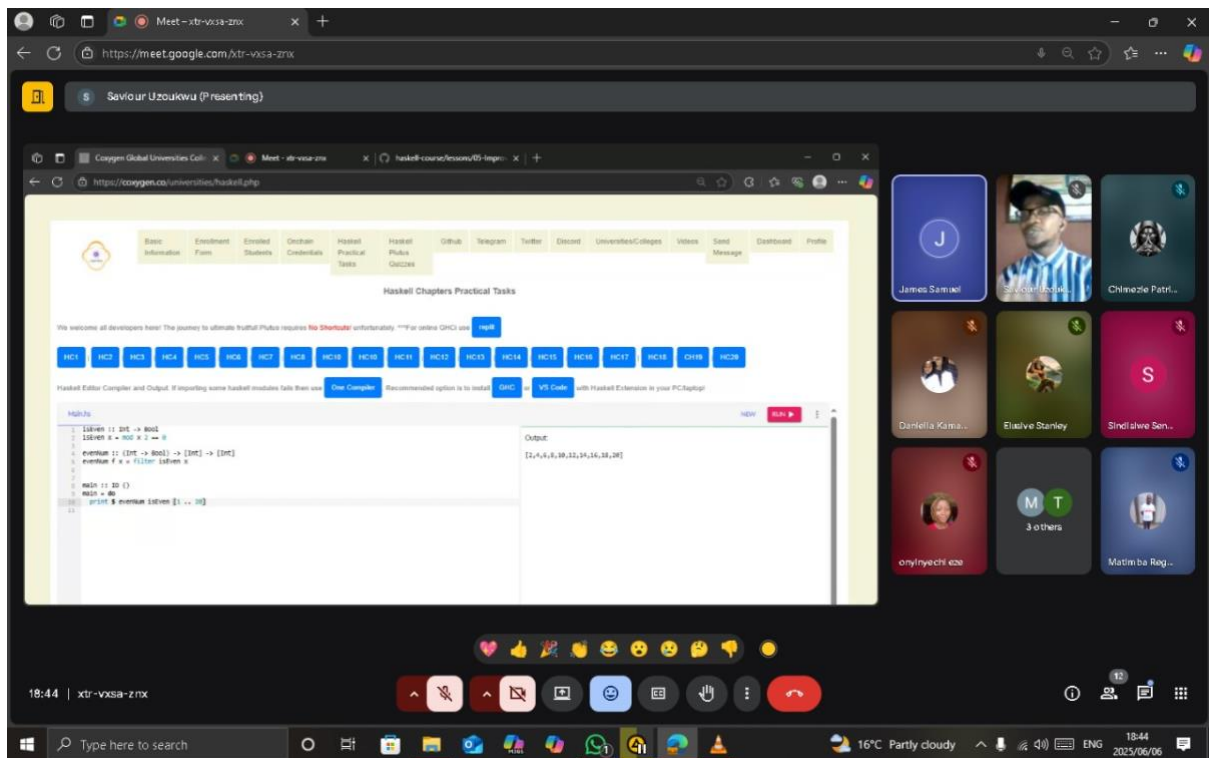
6/12/25, Third weekly meeting with student developers



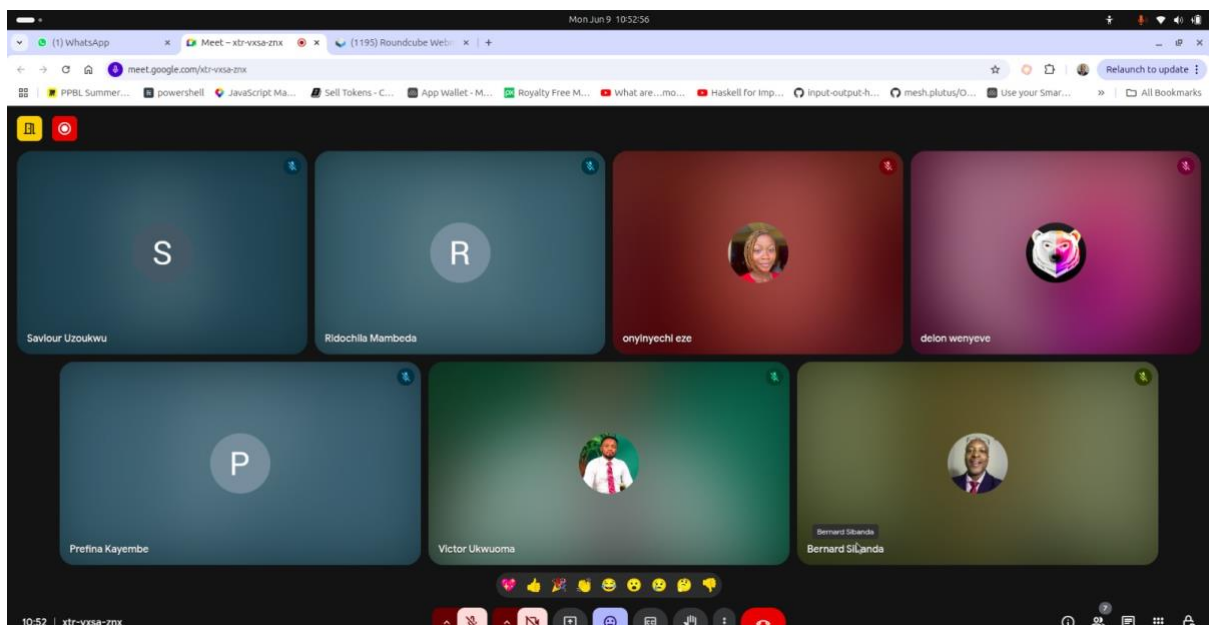
6/12/25, Dev ex weekly meeting with Mr Bernard S



6/13/25, Fourth weekly meeting with student developers



6/18/25, General meeting with Mr Bernard S and facilitators



## 6/19/25, Fifth weekly meeting with student developers

This screenshot shows a Zoom meeting interface for the 5th weekly meeting. The main window displays a code editor with a Haskell program. The code defines a function `listLength` that calculates the length of a list. The code is as follows:

```
1 Implement a function that takes a list and returns the  
2 length of the list.  
3 listLength :: [Int] -> Int  
4 listLength [] = 0  
5 listLength (x:xs) = 1 + listLength xs
```

The code is being presented by Fina Phile, as indicated by the 'Fina Phile (Presenting)' label at the top. The right sidebar shows a list of participants, including Saviour Uzoukwu (You), Chimezie Patrick, Elusive Stanley, Emmanuel Toochukwu, Fina Phile, Fina Phile Presentation, Hillary Ogudu, Jemimah Peters, and John Samuel. The bottom status bar shows the time as 9:33 AM and the meeting ID as xtr-vxsa-znx.

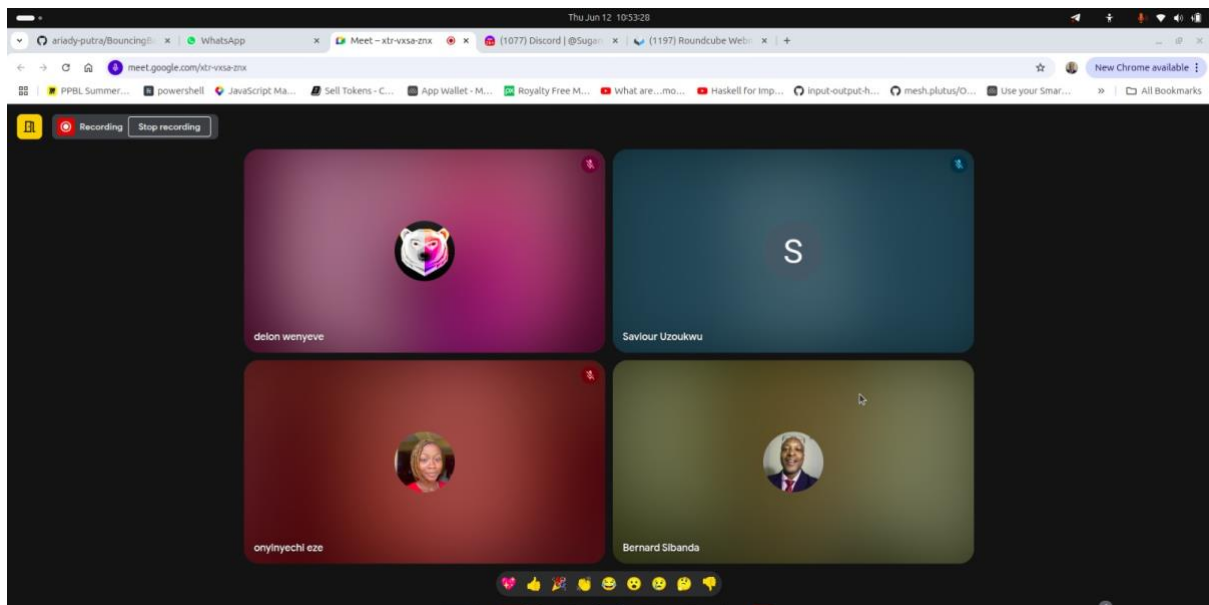
## 6/20/25, Sixth weekly meeting with student developers

This screenshot shows a Zoom meeting interface for the 6th weekly meeting. The main window displays a code editor with a Haskell program. The code defines a function `listLength` that calculates the length of a list. The code is as follows:

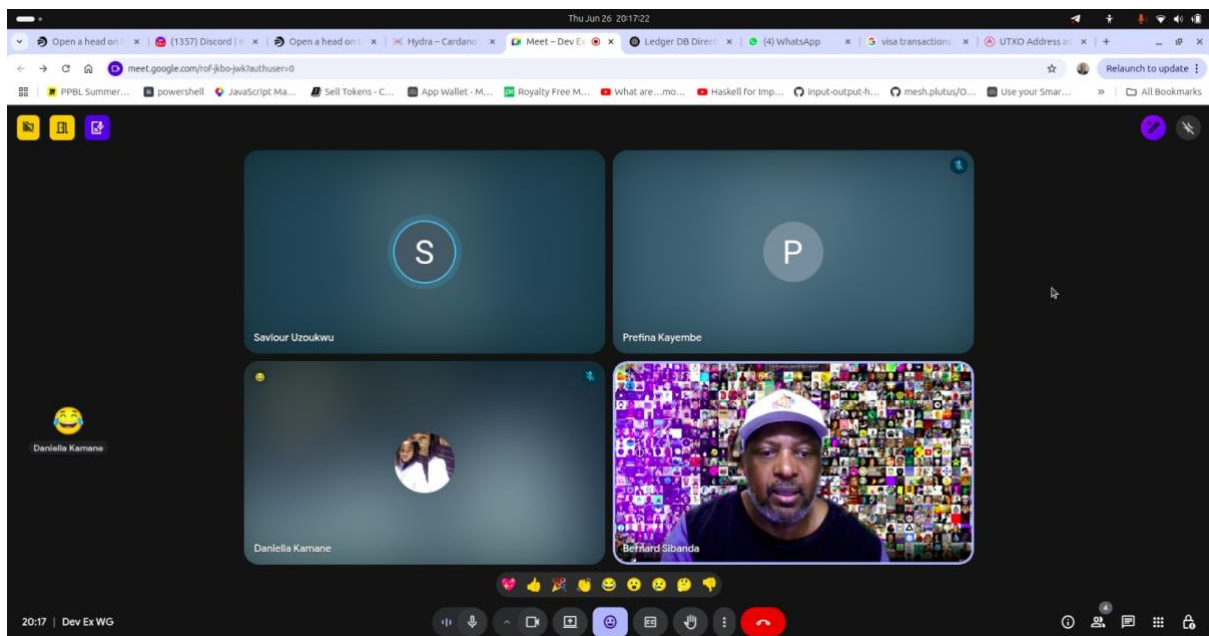
```
1 Implement a function that takes a list and returns the  
2 length of the list.  
3 listLength :: [Int] -> Int  
4 listLength [] = 0  
5 listLength (x:xs) = 1 + listLength xs
```

The code is being presented by Karabo Sebogo, as indicated by the 'Karabo Sebogo (Presenting)' label at the top. The right sidebar shows a list of participants, including Saviour Uzoukwu (You), Celestina Ogechukwu, Chimezie Patrick, Elijah Azeze, Elusive Stanley, Fina Phile, John Samuel, Karabo Sebogo, Karabo Sebogo Presentation, and Matimba Regent. The bottom status bar shows the time as 9:18 AM and the meeting ID as xtr-vxsa-znx.

6/23/25, General meeting with Mr Bernard and facilitators.



6/26/25, Dev ex weekly meeting with Mr Bernard S





## 6/26/25, Seventh weekly meeting with student developers

The screenshot shows a Zoom meeting interface. The main window displays a code editor with the following code in `Main.hs`:

```
1 Rewrite the following function  
2 using a lambda function:  
3 biggerThan10 x = x > 10
```

The output area shows the text: "Click on RUN button to see the". The Zoom interface includes a sidebar with a list of participants: John Samuel, Chimezie Patrick, Fina Phelo, 7 others, and Saviour Uzoukwu. The bottom status bar indicates the time is 9:12 AM and the user is xtr-vxsa-znx.

## 6/27/25, Eighth weekly meeting with student developers

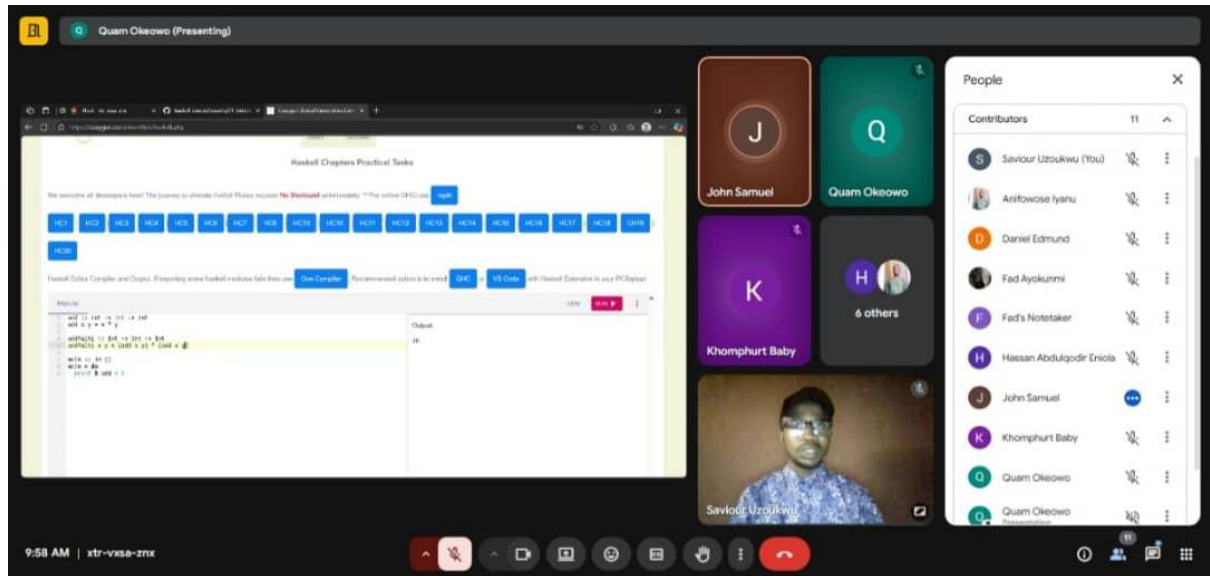
The screenshot shows a Zoom meeting interface. The main window displays a code editor with the following code in `Main.hs`:

```
1 compareValues :: Num a => a -> a -> a  
2 compareValues x y  
3   | x > y = x  
4   | otherwise = y  
5  
6 main = do  
7   print $ compareValues 2 4
```

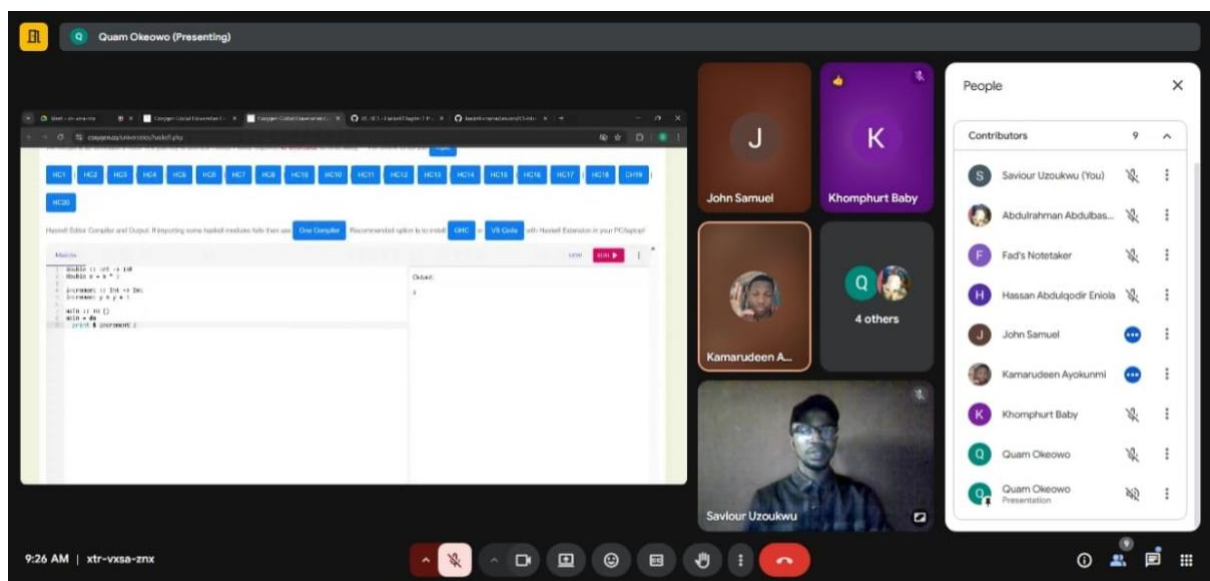
The output area shows the text: "6". The Zoom interface includes a sidebar with a list of participants: John Samuel, Fina Phelo, Chimezie Patrick, 9 others, and Saviour Uzoukwu. The bottom status bar indicates the time is 9:35 AM and the user is xtr-vxsa-znx.

## Facilitation (Group: G016) and University of Lagos Nigeria

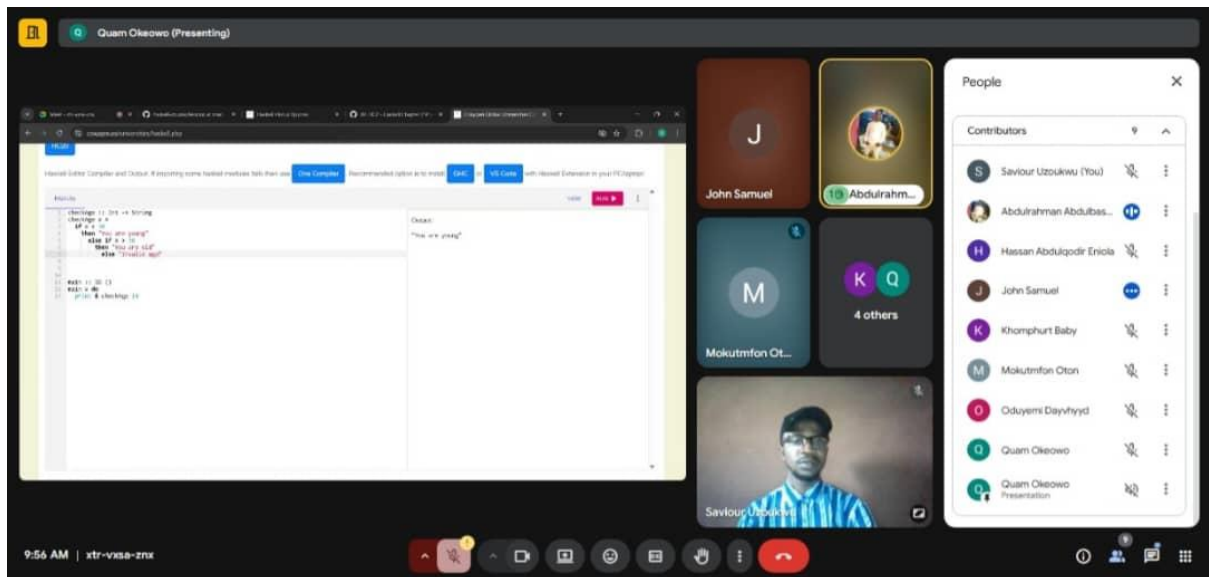
6/17/25, First weekly meeting with student developers



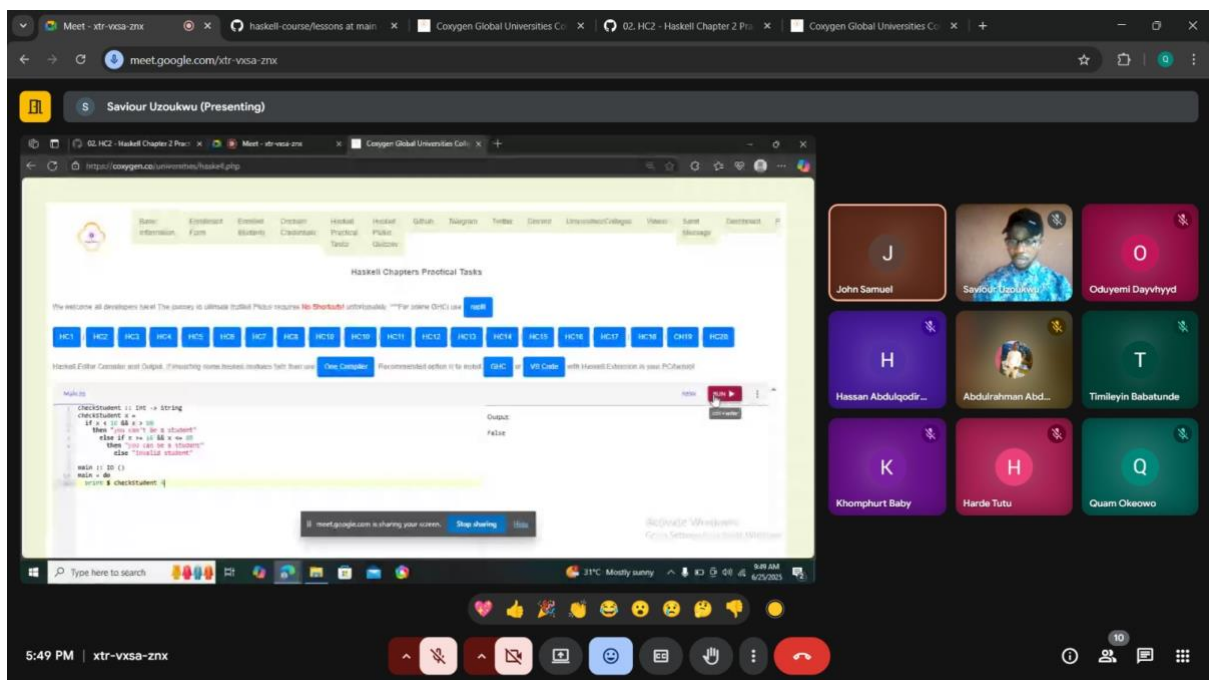
6/18/25, Second weekly meeting with student developers



6/24/25, Third weekly meeting with student developers



6/25/25, Fourth weekly meeting with student developers



## Developer Session And Source Codes

### Multisignatory-wallet:

I was able to create a multisignatory wallet that requires more than one signatories within a stipulated time for transactions to be approved.

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

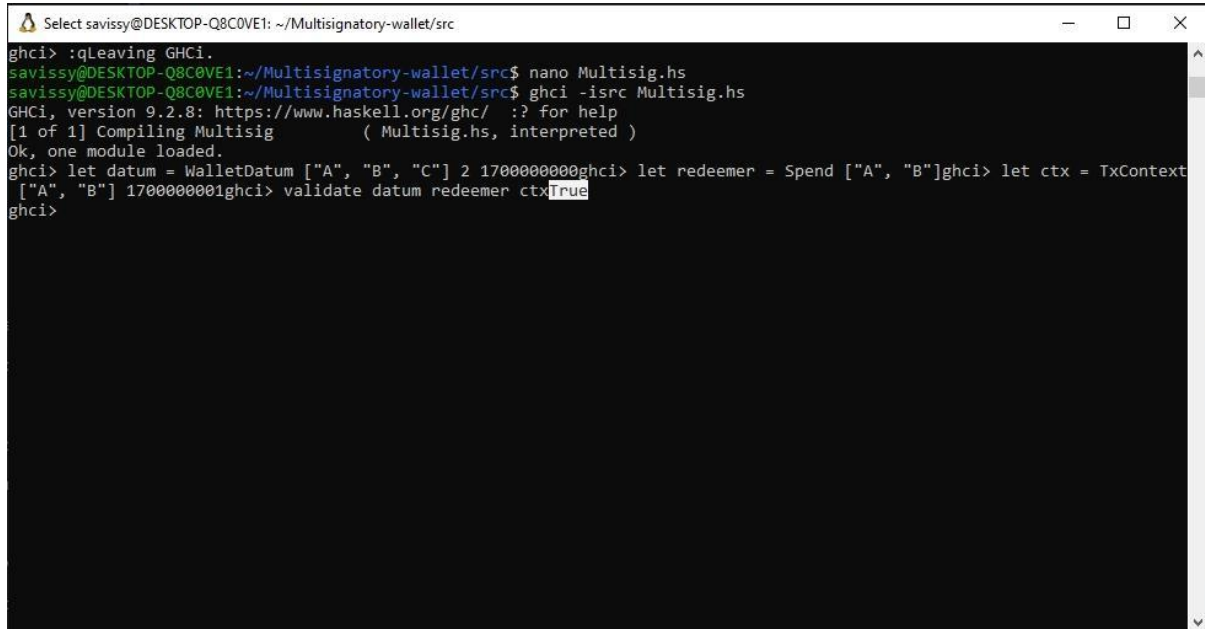
I was able to properly test the source code for the multisignatory wallet using my fully developed nix environment.

Here is the link to the GitHub repository:

<https://github.com/Savissy/Multisignatory-wallet>

### Testing:

Here is a screenshot of a test case of the multisignatory wallet in my fully developed nix environment. It returned **TRUE**



```
Select savissy@DESKTOP-Q8C0VE1: ~/Multisignatory-wallet/src
ghci> :qLeaving GHCi.
savissy@DESKTOP-Q8C0VE1:~/Multisignatory-wallet/src$ nano Multisig.hs
savissy@DESKTOP-Q8C0VE1:~/Multisignatory-wallet/src$ ghci -isrc Multisig.hs
GHCi, version 9.2.8: https://www.haskell.org/ghc/  :? for help
[1 of 1] Compiling Multisig          ( Multisig.hs, interpreted )
Ok, one module loaded.
ghci> let datum = WalletDatum ["A", "B", "C"] 2 1700000000ghci> let redeemer = Spend ["A", "B"]ghci> let ctx = TxContext
["A", "B"] 1700000000ghci> validate datum redeemer ctxTrue
ghci>
```