



Web3Bridge Cohort VIII Pre-Qualification Exercise

Instructions:

1. All questions must be answered using javascript. You are at liberty to use a framework of your choice or use vanilla javascript
2. All answers must be submitted using your GitHub account, The link to submit your code project will be shared in a separate form that will be shared with you.
3. Please ensure to demonstrate some git workflow skills, i.e branching, pull request management
4. Host a version of your solution using Github Pages. Use the documentation below for guidance
<https://docs.github.com/en/pages/getting-started-with-github-pages/creating-a-github-pages-site>
5. Adding tests for your code submission will be a plus and will give you an edge over other participants.
6. Your final commit to your GitHub repository should be at **8:30 PM W.A.T**. All commits after that will be ignored and evaluation will be done without them

QUESTION 1:

12 Students have come up with a proposal to start a savings group. The money saved by the student will be invested in a Play to earn Blockchain game that returns 20% of the total money invested over a single gameplay.

There are 3 tiers in the savings group,

Tier 1 - 10,000 Naira

Tier 2 - 20,000 Naira

Tier 3 - 30,000 Naira

Students in Tier 1 will receive a **5% interest** on their money over the period a week

Students in Tier 2 will receive a **10% interest** on their money over the period of a week

Students in Tier 3 will receive **20% interest** on their money over the period of a week.

Using HTML, CSS AND Javascript(framework of your choice), Design a savings group web application that allows each student to enter their name and tier that they would like to join. It should clearly show the student the interest that will be generated as well as the total money that he/she will be able to withdraw at the end of the week.

The web app should also show the total money that has been saved by all the

members as well as a breakdown per member

Note:

Please look out for validation. If a student chooses a certain tier, they shouldn't be able to put a figure of money that is more or less than the tier amount.

As an addition, You can simulate the weeks and allow a student to withdraw all his/her funds. This should remove him/her completely from the savings group, reduce the total amount of money saved and allow another student to join the savings group. **(This is not compulsory but it is a nice have)**