

Project vlog #5

Preliminary

Team member (re)introductions

Name of Team: Master Calculator

Team Member: Philip Anyuon

The responsibility remains the same:

1. Development of an application and planned to finish at least 80% of the project load before the end of the term.
2. Gathering documents that support the project.
3. Updating wiki and GitHub.
4. Preparing for presentation and Vlogs.

Brief project blurp

The Master Calculator team is working on app which is the master calculator. The main goal is to develop a master calculator that provide a better interface with more clarity. A user may navigate from simple calculator to complex calculator by clicking specific button. You can add more calculation options without interference with the previous design. Formulas are provided to help user associate the problem with the process during the calculation. Addition screen was added to show a definition of the terminologies. User can navigate the unit conversion which was added recently. The unit conversion was limited to meters and grams conversion, but it will be expanded to more unit conversion in the future. This simple calculator will be a better option to those complex calculators outside there. We must uplift the calculator to the next level and bring a learning experience to the users.

Project activity dates

Feb.1, 2022 - Mar.8, 2022

Project activities

Activities: Feb. 1 to Feb. 15,

- building interface for voltage
- building interface for density
- building interface for pressure
- building interface for electromotive
- building interface for frequency
- building interface for velocity
- building interface for acceleration
- part of unit conversion

Activities: Feb. 15 to Mar. 1

- building interface for electric field
- building interface for charge
- building interface for volume
- building interface for area
- building interface for simple interest
- building interface for angular velocity
- building interface for Resistivity
- the logic for unit conversion (meters and grams conversions).
- Definitions of terminologies.

Activities: Mar. 15 to Mar 30.

- Working on Engineering calculator
- Working on presentation and report

Status description

In the current time the status of the project is green.

Project issues

Some suggestions during the bazaar day:

- Making a calculator to be more complex. **Ans.** At this stage, it is a representation of the way out to the most complex calculator which should be simple for the user. In the future development, it will involve many calculations but the fundamental of doing it will be the same, i.e., making keyboard less complex.
- Making unit conversion with no displaying screen, but dropdown unit selection and show the answer beside it. **Ans.** Most unit conversions available online use unit conversion without specific display screen. To make this unit conversion a little bit different I add the display screen. Display screen will make it more official.
- Making master calculator to have two displaying screens, one for expression and one for result. **Ans.** That was a plan but due to limited of time and too more works to be done, I will stick to one display screen which can show both expression on top and result at the bottom.

issues:

I was experienced some of the problem I didn't expect. I was trying to download the app on some friends iPhone for the test, but I found out that XCode which I am using is unpaid version. So, the other iPhones that have different apple login codes were denied. I am still working on it to make sure the app is delivered to iPhones as well as android by transferred the code to another apple paid product. If that do not work then, I will get the xcode paid product from apple.

Project changes

The focus is still the same. There is no change to the activities and goal of the project.

Documentation overview and/or project/technology demo

Demo include:

- Engineering calculator
- Unit conversion
- Definition of terminologies.

Next up

From now to Mar. 15, I will be working on scientific calculator.

Anything that did not finished until that time will be working on while doing the report.

Mar. 15 – April 1. I will be working on the final report and presentation.

Team reflection

Discuss:

- Does the team feel "on track"? **Yes, the team is on track.**
- What progress does the team particularly feel good (great) about? **Team is optimistic about the great part of the project that is done so far.**
- What barriers (if any) does the team feel is a current impediment to success? **There are no barriers currently.**
- What help (if any) does the team require to move positively forward? **Encouragement.**
- What questions or concerns does the team have (if any)? **No greater concern**