

ENSE400 Capstone 2021

Vlog # 2

Date: Oct 15, 2021

Team member & project re-introduction.

Name of the team: Master Calculator.

Team member: Philip Anyuon.

The role and responsibility of building the master calculator is still the same. The development technology stack changes slightly by adding the product to work across a platform. So, the package that include flutter has been installed so far and it is working.

Brief project blurb

In 1967. Thomas Whitney invented a HP 35 electronic calculator, and it was good. Later the Hewlett Packard company produced many other 35 HP calculators and the complexity of adding more keys to calculator become vivid. This problem of making calculator more confused and more complex when adding more keys is what the master calculator is trying to resolve. The master calculator will be friendly used. When you add more calculations to it that will not jeopardized the previous built or the functionalities of the previous design.

Project activity

Activity 1:

Sept 16, 2021

- Project initialization and wikis created
- Project background written.
- Updated the U of R wiki.
- Uploaded the project documents to GitHub.

Sept 17, 2021

Uploaded the vlog #1 on YouTube, GitHub and UofR wiki updated.

Activity 2:

Sept 16 – 24 of 2021.

Complete scrum # 1 documents.

- Business case.

- Project scope statement.
- Project role and responsibilities documents.
- Responded to questions.

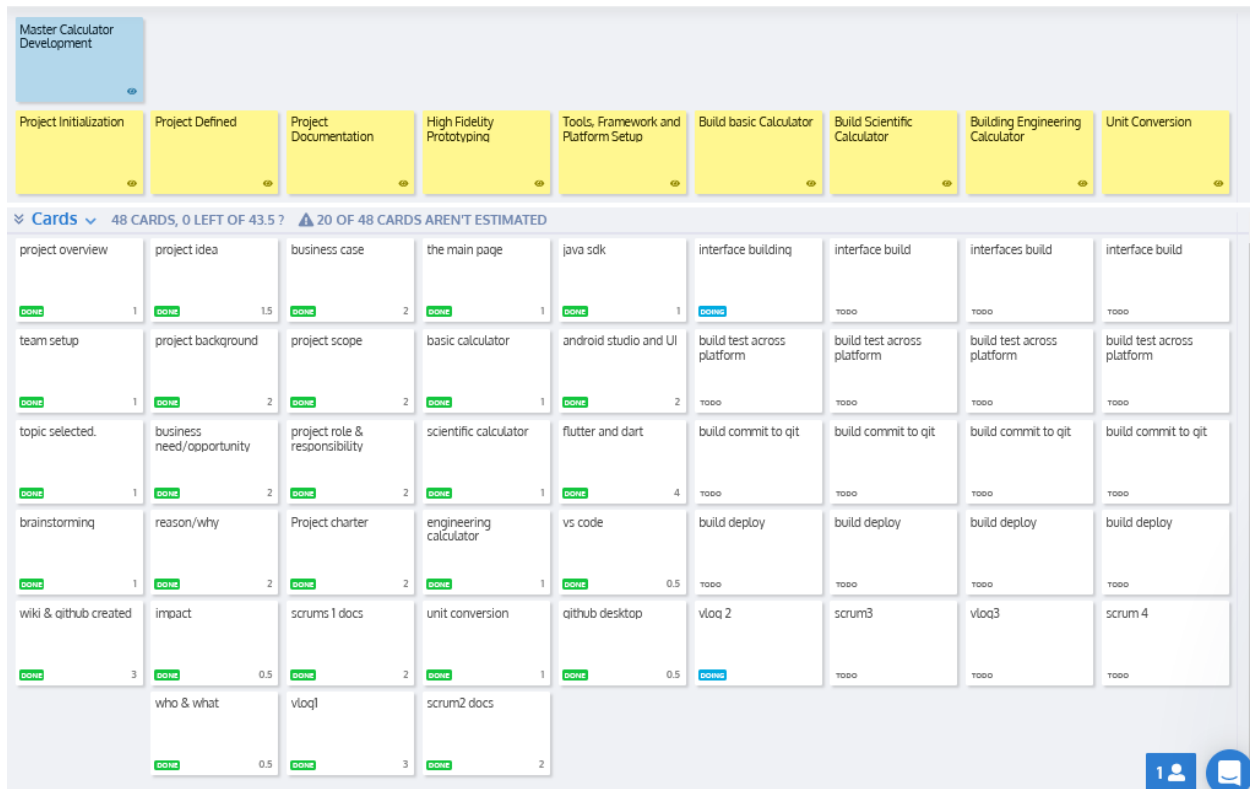
Activity 3:

Sept 26-Oct 8 of 2021

- Complete the project charter.
- Downloaded the stack tools for developments.
- Built the high fidelity prototyping for the app.
- Fill out scrum #2 template.
- Updated the automated Kanban with reviews on GitHub.

Oct 9 -15 of 2021

- Developed a StoriesOnboard.
- Downloaded flutter package for cross platform app development.
- Vlog #2 presentation.
- Vlog #2 uploaded to YouTube, GitHub and UofR wiki updated.
- Kanban updated.



Status description

The status of the project is green. There is no obstacle that has raised at this level.

Project changes

There is slight change in the scope. In the previous scope document, the engineering calculator was contained Kinetic energy, potential energy, and thermal energy. Now it extended to include work and power. Many other calculation and formula's interface may be added only if there is enough time.

Project issues

There is no issue at this level.

Documentation overview and/or project/technology demo

Next up

- Continuous testing the technology for the better design across platform.
- Begin the development phase.
- Update the documents and prepared for the next scrum.

Team reflection

Discuss:

- **Does the team feel "on track"?** Yes, the team is on track. The status is green.
- **What progress does the team particularly feel good (great) about?** It is good to use the app to work across the plate form. It involved a little bit careful study of how flutter work.
- **What barriers (if any) does the team feel are a current impediment to success?** There is no barrier in a current time.
- **What help (if any) does the team require to move positively forward?** No help is required at this time.
- **What questions or concerns does the team have (if any)?** There is no concern.

References

Whitney. T. 1995-2021. Inventor of the World's First Scientific Handheld Calculator. Retrieved on Sept 23, 2021 from <https://www.ece.iastate.edu/profiles/thomas-m-whitney/>

The Museum of HP Calculators: 1972 -1975. Retrieved on Sept 23, 2021 from <https://www.hpmuseum.org/hp35.htm>