



Project Status report

Name:	MAKSIM SHAROIKA
Community (UN SD goal):	ACADEMICS / ENGINEERS / PROFESSIONALS INTERESTED IN SDG's PARTNERSHIPS FOR THE GOALS -> TO SUPPORT 16 OTHER SDG's
MVP #	MVP #2
Sprint cycle dates:	November 4th / 2023 to November 17th / 2023

Project Name	EngiConnect is a platform to connect Engineers, Professionals, and Academics across the world to share and collaborate on projects that help move the UN SDGs forward.
Blurb	SDGs are interconnected, therefore we cannot solve them one at a time. To facilitate asynchronous development of multiple solutions EngiConnect will be a discussion space for engineers, professionals, and academics to request technical assistance. - Using Goal #17 Partnerships to support solutions to all the other goals - this platform will facilitate communication between engineers, professionals, and academics across the world to share and collaborate on projects that help move the UN SDGs forward. It will be a question/ answer type of platform allowing users to get help with problems they are facing - there have been no significant changes apart from incorporation an Interactions table to be used to allow for a "record" of who has viewed what posts in the app.
For Week Ending	November 16th / 2023
Project Status	Green
Status Description	The project is ahead of schedule, everything that was scheduled for this sprint has been completed. All content population, content organization, and user management has been implemented and tested - all that is left to do is MVP 3 features; which is primarily the live chat alongside some front-end and back-end code cleanup.

Activities—During the past sprint cycle

The code is present in all the commits on GitHub prior to November 1st / 2023; in addition, there is a demo video of the current state of the project on GitHub with the title of "Scrum 1 MVP Status".

- Structure:
 - The structure which involves the login, signup, main, read, and write pages has been created, linked, and tested.
- User Functionality:
 - Ability to log in and sign up along with input validation - backend further tested; and the creation of update ability of user information and credential validation.
- Content Population:
 - The ability to post an issue with a subject, body, and SDG's or a reply to an issue has been fully implemented.
 - The ability to favourite and un-favourite an issue has been fully implemented.
 - The ability to like / dislike an issue has been fully implemented.
- Content Organization
 - The overall schemas' of all the data types have been built and implemented into the application - they are working correctly.
 - The ability to segregate favourite issues, and segregate based on SDG is implemented.



Project Issues

There have been only two significant issues; the first one is lack of time - I would have liked to get further ahead than I have to focus more on the Study, Plan, Do, Act methodology - the next issue was Camera usage. I have been having a bit of trouble with Camera permission this sprint - this is due to the most reliable React Native camera library being deprecated - I was able to find a new library similar to that one which was React Native Image Crop Picker; it worked.

Project Changes

There have been no significant project changes approved - I want to mention a slight change. The addition of a new "interactions table" that holds data regarding a user's interaction with a certain issue - this includes like, dislike, and isRead - the isRead is regarding Tim's comment in relation to the ability of users' to request information of who has read their posts - this is more or less a method of IP protection incase a similar idea posted. Another change is a simplification of the verification process - right now if you send in ANY image it get verified in the future it would be hooked up to an admin portal for further analysis.

Activities—Planned for Next Week

- isRead Modal:
 - o I want an "eye-ball" icon somewhere on the issue screen that allows to be clicked and opens a pop-up scrollable modal that will show a list of everyone who have viewed this issue.
- Live Chat:
 - o I want to add a button on the left side of the screen where the "post" button is; probably blue colour that will lead to a "live chat" that will be setup with a web socket.
- Finalization:
 - o There is a lot of code clean up and optimization that I want to do to prepare the project for the final submission - and as a good repository to have on my GitHub.

Reflection

Do you feel "on track"?

Yes, I have completed a lot more than expected - this is basically a completed project missing some small details.

What progress do you particularly feel good (great) about?

All of it, the project has basically been fully completed with almost no hiccups except for the camera.

What barriers (if any) do you feel is/are a current impediment to success?

As mentioned before, image upload may cause issues - but I was able to find a solution that worked.

What help (if any) do you require to move positively forward?

I do not require any help; I think the only thing I would need is more time - this is of course going to be given since the next sprint is another 2 weeks of possible work.

What questions or concerns do you have (if any)?

One concern I have is testing, I have noticed the API is slightly slow - this is probably due to me using a free tier of Atlas (remote MongoDB database); this is not significant and does not impede development - in addition there is a lot of feature that I want to add but don't want to cause feature creep in this course.