

Progress

The next milestone and the target date -

Next Milestone - Flask integration for basic UI setup

Target Date - 29th Feb, 2024.

Action items or the milestone that were completed since the previous meetup

Basic grid generation and word placement algorithm implemented

Explain your progress.

I have implemented a grid generation algorithm, as well as a word placement algorithm. Both algorithms use a simple brute force approach, with a time complexity of $O(N^2 \times M)$. Where grid size is $N \times N$ and the number of words to be placed is M .

Currently few words are selected to be shown in the grid. In the following week, I will be working on saving a few themes along with associated words so that on selecting the theme the appropriate grid will be shown. Along with improvements in the UI.

To check the status of the project

- Build the product using the steps described in - https://github.com/daniajaison13/WordSearch/blob/main/docs/expert_users/project_setup.md
- Navigate to <http://localhost:5000> to test the application
- You can now interact with the product and see the status of it

The activity/progress in GitHub repository since last week

- Created a flask project. Implemented a word placement and grid generation algorithm along with a basic UI

To check weekly progress of product

- **Commit history** - <https://github.com/daniajaison13/WordSearch/commits/main/>
- **To see code changes**
For a given commit on the commit history page click on the commit id to see code changes and more details

List the feedback/insights from your colleagues/TA/instructor if any.

- Feedback from colleague(Likith Nemani) - Work on improving the UI
- Action Item - Will be working more on the UI in the upcoming milestone.