SRISHTI WORKLOGS-Shivankar Pilligundla

16th May:

- Checked algodynamics website and understood algorithm implementations

17th May

- Implemented bubble sort using elm
- Learnt using svgs in elm and how svg shapes work and their coordinate system conventions

18th May

- Read FIE paper
- Tried to understand transition systems

19th May

- Implemented examples in guide.elm-lang.org which included
- Buttons
- Types: type, type alias and custom types
- Error handlings

23rd May

- Started looking at elm-programming.com
- Read 1st Chapter which covered elm architecture, compiler and runtime advantages of elm.
- Tried using ELM REPL

24th May

- Chapter 3 of elm programming
- Understood elm specific case rules, pattern matching, functions
- Tried implementing Regex matching in elm

25th May

- Chapter 4. Benefits of using elm.
- Learnt how elm handles immutability and how it is advantageous
- Pure functions and concept of side effects
- Implemented binary adder using functions for sub operations

26th May

- Went through the algodynamics repo code.
- Understood how random integers are being generated using elm for bubble sort

27th May

- Started building calculator
- Made css layouts for calculator buttons, with hardcoded co-ordinates

30 May

- Modelled calculator in ELM and wrote logic to compute the calculations.
- Tried to parameterize buttons and made a dynamic layout with option to add extra buttons which render according to no of buttons in row or column

31st May

- Started working on template code of calculator
- Added parameterised shapes for circle, ellipses and
  Rounded boxes with color and size for buttons.

1st June

- Added configurations to view Calc functions for styling strings, number of button columns and rows.
- Dynamically calculate height and width based on number of buttons and adjust padding

2nd June

- Added optional configuration to view calc function for filling parameters for shapes for fill-color, border thickness etc

6th June

- Cloned the elm-dagre repo, understood the source code.
- Learnt functionality of Dagre, render
- Drawers functionality, parameters and ways to customise them

7th June

- Completing the given task.
- Tried using elm-dagre in ellie and tweaking with the parameters for drawers and dagre to understand their working

8th June

- Working on the given task of elm dagre

15-17th June

- Started working on Dagre to other task
- Used elm-dagre to implement array rendering with parameters of node size for each element, direction of render i.e from top to bottom, left to right etc.
- Added default configurations to array when no configurations are provided

21st June

- Added functionality to choose no of elements in each row/line for array view
- Design drawers and its default attributes for array drawer

24th June

Updates:

- Implemented drawer for array view

Action items

- Integrating drawers with elm-dagre to get the final version of drawers

Meeting

Time: 12:30 PM

Discussion:

- Discussed code layout structure and ways to implement drawers for array view using the same layouting provided by elm-dagre

Tasks-assigned:

- Complete the implementation of array view with custom drawers

27th June

Updates:

- Start Working on Package implementations.

Action items:

- Finalized Package Structure
- Completed Implementation of the package
- Made a final work demo ppt

Meeting:

Time: 2:00 PM

Discussion:

- Updated work progress and presented the work done so far.

Tasks Assigned:

- Start working on internship report.

28th June

Updates:

- Start documentation of the package

Action items:

- Completed the documentation of the package

Meetings: -

29th June

Updates:

- Start working on internship report and publish the package

Action items:

- Completed the draft of internship report

Meeting:

Time: 3:00 PM

Discussion:

- Discussed how to publish package in ELM and internship Report format

Tasks Assigned:

- Publish the package and complete internship report.