

**Assignment 3 – HTML/CSS/JS**  
**Software System Development – Monsoon 2022**  
**Due Date: 10 October 2022, 8.30 pm**

**Instructions:**

- This assignment is an individual submission.
- It carries total of 50 Marks with duration of 3 weeks.
- All script submissions should be submitted via Moodle
- Inputs/output should fit the criteria mentioned in respective question.
- All other conditions are open to your interpretations. Please include your assumptions in the README document.
- Evaluation will be conducted based on a fixed grading rubric (syntax, logic, input and output) and the marks are divided as per prescribed weightage in respective questions.
- For queries, reach out to TAs via Moodle

**Submission Guidelines:**

- Please create one ZIP as <rollnumber>.ZIP
- This ZIP should include three folders **Q1, Q2, Q3**
- Each of these folders should contain sub-folders **HTML** (with html files), **CSS** (in case of external css files), **JS** (incase of external JS files) and a **README.txt** (if you wish to include any instructions for evaluator, please do here.) You may leave these folders blank if your submission doesn't use any external CSS/JS files.

**Q1:** Implement a **kaooa** board game using any 3D JavaScript Library of your choice. (*Example: three.js, Aframe.js, D3.js, Babylon.js, zdog.js, Cannon.js, PlayCanvas, LightGL, Phoria.js, JQuery (3D), Tilt.js etc.*) **(25 Marks)**

**Source:**

- <https://www.whatdowedoallday.com/kaooa/>
- <https://www.youtube.com/watch?v=JzeugIXTRQM>

**Q2:** Capture and Log Mouse Events in a file for above Kaooa Game **(15 Marks)**

**Hit:** MouseEvents DOM - <https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent>

**Q3:** Create a NEWS website which populates the text news articles and advertisement images using Promise Calls externally through an external JSON file. The layout of the page, design and positioning the News articles and advertisement is your choice. **(10 Marks)**