**ICT581 – Assignment 2**

**Instructor**: Mostafa Mohamed

**Description**: use React.js to build the following.

* Tasks:

A- Create HTML page with the following React components:

* + 1- Header: shows a nice banner image
  + 2- Footer: shows your name and copyright
  + 3- Main body: ask the user to enter two values and choose an operation from: +, -, \*, /, \*\* then show the next component base on the user selection
  + 4- Sub body: a component to the operation results with description such as “2.5 \* 2 = 5.0” if the user choose multiplication , or “2.5 + 2 = 4.5” if the user choose addition
  + Note: You may need to put the state variables in a parent component to be shares between the 2 children body components

B- Create HTML page to show game cards:

* + Create a component to draw a game card, the properties should include: color, value, and flipped (show the value or not)
  + Create a deck to show a group of cards (8 cards of each type and color)
  + If the user clicks on a card, the card should flip
  + Use SVG icons from below
    - <https://icons.getbootstrap.com/icons/heart-fill/>
    - <https://icons.getbootstrap.com/icons/suit-spade-fill/>
    - <https://icons.getbootstrap.com/icons/suit-club-fill/>
    - <https://icons.getbootstrap.com/icons/suit-diamond-fill/>

**Submission**

Upload the HTML files to D2L (don't ZIP the HTML file).

## Evaluation

This assignment is graded out of 35 points using the following rubric, for each task, and is worth 35% of the final grade.

Learners may receive partial scores or a zero for unacceptable work.

| Does Not Meet Expectations 0 | Partially Meets Expectations 1-3 | Meets Expectations 4 | Exceeds Expectations 5 | Max Points |
| --- | --- | --- | --- | --- |
| No answer provided. | Results are not as required. Code is not clear and not optimized. | Results are very close to expectation. Code is clear. | Results as expected. Code is clear and optimized. | 5 |