## Assignment 2:1 Introduction to Javascript

Deliverable 1

· Java Script cheat sheet

1. Variables and Data Types:

" Variables: "var", "let", "const"

· Data types : "Storing", "Number", "Boolean", "Averay", "object", "Number", "Boolean", "Averay", "object",

2. Operators:

· Arithematic Operators: "+", (-), (\*), (1), (1)

· Comparison Operators : '==', '===', '===', '>', '<=', '<=', '<=', '<=', '<=', '<=', '<=', '<=', '>=', '<=', '>=', '<=', '>

· logical operators: "At", "11", ","

: control flow:

· Conditional Statements: "il", "clse", "efreil".

. Switch Statements: "Switch", "case", "default".

. Loops: "for?, "while?, "do-while', "for-of?, "for-in?.

4. functions:

· function Declaration : function

function Name (parameters) 23?

- · Arrow functions: (parameters) => {3?
- · Higher Order functions: Functions that take other functions as arguments or return them.
- 5. Arrays and Objects:
  - · Arrays: ordered collections of values. Accussed by index.
  - · Objects: Ky-value pairs. Accessed by Keys.
- 6. Scope and closures:
  - · Scope: Defines the accussibility of verticalles. Global and local scope.
  - · Closurus: functions that capitaire and remember the scope in which they were orested.
- 7. Don Manipulation:
  - · Document Object Model (DOM): Tree-like stometure oupresenting HTML dements.
  - Selectors: Flethods to select elements:

    get Element By Id',

    get Elements By Class Name',

    quory Selectori',

    quory Selectori All'.
    - · Manipolation: Methods to modify elements: "innorther)

      start Content", "Set Attribute", "Style".

- 8. Events:
  - · Event Handling: Rusponding to usur actions like clicks,

    Ky presses yetc.
  - · Event Listeners: functions that listen for specific events on elements.
- 4. Asynchronous Java Script:
  - · Callbacks: functions passed as arguments to other functions, executed later.
  - · Provisus: Objects representing the eventual completion or failure of an asynchronous operation.
  - · Async/ Await: Syntactic Sugar for working with promises, making asynchronous code look Synchronous.
- 10. Modules:
  - . Export: "export? kyword to expose functionalities
  - . Import: "import" Keyword to bring functionalities
    from other modules.