**DATE:**     7/05/2021

**Subject:**     **Upperlink Training Monthly Report; April 2021**


Dear Dunni,


Kindly find below the monthly training program report detailing deliverables, activities and outcomes.


| Modules (Tasks) | Deliverables (Activities) | Activities | Outcomes |
|---|---|---|---|
| **March 30<sup>th</sup> and April 1<sup>st</sup> 2021** | | | |
| JavaScript | Introduction to programming fundamentals<br><br>JavaScript programming language | An *introduction to JavaScript*, and few comparisons with other programming high level languages.<br><br>*Code quality and efficiency*<br><br>*Variables and datatypes* – As a programming fundamental<br><br>Programming fundamentals using JS, basic operators, conditional branching, loops, switch statements, type conversions.<br><br>*Working with functions* – Functions as a programming fundamental. Parameters and return values. Block scopes and call back functions.<br><br>*Objects* – Object properties, key-to-value pairs, and nested objects. Object referencing, object methods "This".<br><br>Objects chaining, primitive conversions, property flags, getters and setters.<br><br>*Error handling* – using try/catch blocks<br><br>Promises, and await/async | Working on JavaScript Chrome consoles and Mozilla sandbox to work with variables and functions |

| Modules (Tasks) | Deliverables (Activities) | Activities | Outcomes |
|---|---|---|---|
| **April 6th and 8th 2021** | | | |
| JavaScript | Programming fundamentals<br><br>Arrays | *Arrays*, declaring arrays and array methods.<br><br>Pop/push, shift/unshift in relation to stack and queues.<br><br>Splice, slice, concatenation, iteration, query, find, find Index, filter<br><br>Transforming an array using maps and sorts. | Working on JavaScript Chrome consoles and Mozilla sandbox to work with variables and functions |

| Modules (Tasks) | Deliverables (Activities) | Activities | Outcomes |
|---|---|---|---|
| **April 13th and 15th 2021** | | | |
| Angular<br><br>JavaScript<br><br>Node and NPM<br><br>Version Control System | HTML DOMs<br><br>Browser Object Models<br><br>NodeJS | *HTML DOM methods* and elements.<br><br>Concept of single page applications<br><br>DOM navigation and routes<br><br>Passing data across DOMs ideology<br><br>JavaScript *browser objects*<br><br>JavaScript *window objects*<br><br>NodeJS and *Node Package Manager*<br><br>Version Control System, using git, git remote repositories and git CLI commands.<br><br>Angular command line tools | Quiz |

| Modules (Tasks) | Deliverables (Activities) | Activities | Outcomes |
|---|---|---|---|
| **April 20th and 22nd 2021** | | | |
| TypeScript | TypeScript with Angular | TypeScript for Angular, and text interpolation. Angular templating. Attributes, classes and style bindings Two-way binding in typescript and HTML. Inputs and Outputs Component lifecycles | Individual project to improve respective angular skills. Collaborative project in two teams to build webapps using Angular, and version control system for collaboration. |

| Modules (Tasks) | Deliverables (Activities) | Activities | Outcomes |
|---|---|---|---|
| **April 27th and 29th 2021** | | | |
| Angular | Angular directives Angular routes | Built in angular directives. Modular routes and component routes, routing and navigation | Individual project to improve respective angular skills. Collaborative project in two teams to build webapps using Angular, and version control system for collaboration. |

Kind Regards,
Michael Olasanoye.