**EASTWOODS Professional College of Science and Technology**

Integrative Programming Technology

*Prelim Examination*

1. **Task 1 – eXtensible Markup Language**

|  |  |
| --- | --- |
| **Website Information** | |
| Logo | server\_resource/logo/logo.png |
| Banner Title | The ultimate choice of convenience |
| Banner Subtitle | Your digital presence needs, is all at our hands. |
| About Us | At E-commerce, we are dedicated to bringing you a seamless online shopping experience, offering a vast selection of high-quality products at competitive prices. With a commitment to customer satisfaction, we aim to make your shopping journey convenient and enjoyable, ensuring that you find exactly what you're looking for. |
| About Us Image | server\_resource/images/aboutus.png |
| Contact Number | +63900-000-0000 |
| Email Address | mail@mycommerce.net |
| Address | # 123 Main Street, California 12345 United States |

* Create the following based on the given information from the table above:

1. XML Schema
2. XML DTD
3. XML
4. XML Tree
5. **Task 2 – JavaScript Object Notation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Image** | **Product Name** | **Brand** | **SRP Price** | **Description** |
| server\_resource/products/product1.jpeg | Smartphone X1 | TechGadgets | 599.99 | Cutting-edge smartphone with powerful features. |
| server\_resource/products/product2.jpeg | Laptop Pro 15 | TechZone | 999.99 | High-performance laptop for work and play. |
| server\_resource/products/product3.jpeg | Smartwatch S2 | WearTech | 149.99 | Stylish smartwatch with fitness tracking. |
| server\_resource/products/product4.jpeg | Coffee Maker Deluxe | BrewMaster | 79.99 | Brews perfect coffee with a sleek design. |
| server\_resource/products/product5.jpeg | Bluetooth Speaker B3 | SoundWave | 49.99 | Portable speaker for music on the go. |
| server\_resource/products/product6.jpeg | Hiking Backpack 500 | OutDoorGear | 129.99 | Durable backpack for outdoor adventures. |
| server\_resource/products/product7.jpeg | Digital Camera Z10 | PixelPerfect | 499.99 | High-resolution camera for photography. |
| server\_resource/products/product8.jpeg | Gaming Console G5 | GameMaster | 349.99 | Immersive gaming experience with powerful graphics. |

* Create the following based on the given information from the table above.

1. JSON File
2. JSON Schema
3. **Task 3 – Consume JSON/XML Data for a Product Listing Website**

* Consume and place the data from website\_information.xml to the given E-Commerce Template Home and Products Page.
* Consume and place the information from products.json to the given E-Commerece Template Products Page.

**Rubrics**XML Schema 10 Points

XML DTD 5Points

XML 5 Points

XML Tree 5 Points

JSON 5 Points

JSON Schema 10 Points

XML Consume 30 Points – Deduct 5 Points per error/missing

JSON Consume 30 Points – Deduct 10 Points per error/missing

Prepared By: Percian Joseph C. Borja