**ABSTRACT**

**1.ABSTRACT**

Our project entitled as **“E-commerce web app for selling digital products”** will be built using

**Front-End:**

* JavaScript

**Back-End:**

* NodeJS – 14.9.0

**DATABASE:**

* PostgreSQL – 12.4

The main objective of this web app is to helping designers and developers to earn money using their skills by selling short courses, web or mobile code templates, UI and Graphic design kits and so on.

Our project consist of the following modules:

* Admin module.
* Buyer module.
* Seller module

**Admin Module :**

Admin module contains several admins with their unique priorities. Only admin with highest priority have all the privilege including adding and deleting new admins.

The works of all the admins is to responding to the report created by buyer and taking actions according to it and Answering the questions requested by the users in FAQ section.

**Buyer Module :**

The Buyer can search and filter the products that they want by category, rating and price range. And buying it via Paypal or Stripe payment methods.

Buyers no need to register when first checking the products. The registerID and password will be generated automatically and send to them via e-mail.

Buyers can view the products they bought by logging into their ID and then the given options that they can view or download it from their dashboard.

Once the view or download the file, a feedback will be appeared in order for the buyers to rate the product that they bought.

Buyers can report the product after they bought. If the product is spammed or stolen from other creators. The message will be send to the Admin.

Buyers can directly chat with the seller if they don’t know how to use the product or they can’t understand the documentation provided by the seller.

**Seller Module :**

Seller needs to register or login in order to go to their dashboard page. In Dashboard, they can Add, Edit and Delete products.

Sellers can analyze traffic to their profile visits and purchasal of their products in order to decide what products to focus on.

Sellers may receive payments on 14th or 21st of every month.

**SYSTEM ANALYSIS**

**2. SYSTEM ANALYSIS**

**2.1 EXISTING SYSTEM:**

In this situation, there will be people who knows how to design or code. But struggle finding a way to earn money optimizing their skills. Some people don’t know marketing as well. In addition there is a main takeaway that they struggling to get money from their work or can’t find their gateway. Yes, here are many platform out there providing some type of values. But they are very crowded.

**2.2 PROPOSED SYSTEM:**

Our project is specially made for designers and developers to shine in this platform**.** This will reduce pain for people who just needs a template for their particular project in a low cost. The seller will upload any type of template or design and price his own amount.

**SYSTEM SPECIFICATION**

**3. SYSTEM SPECIFICATION**

**3.1 Hardware Specification**

**Processor** : AMD PRO A4

**Processor Speed**  : 2.50 GHz

**RAM**  : 4 GB

**Hard Disk Drive** : 500 GB

**Cache Memory** : 4 MB

**3.2Software Specification**

**Operating System** : Windows 10 Pro.

**Technology Used** : JavaScript, NodeJS 14.9.0

**Database** : PostgreSQL – 12.4

**ABOUT THE LANGUAGE**

**4. ABOUT THE LANGUAGE**

**JAVA SCRIPT**

JavaScript is a scripting or programming language that allows you to implement complex things on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. — you can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies, two of which (HTML and CSS) we have covered in much more detail in other parts of the Learning Area.

**Features of Java Script**

* JavaScript is a object-based scripting language.
* Giving the user more control over the browser.
* It Handling dates and time.
* It Detecting the user's browser and OS,
* It is light weighted.
* JavaScript is a scripting language and it is not java.
* JavaScript is interpreter based scripting language.
* JavaScript is case sensitive.
* JavaScript is object based language as it provides predefined objects.
* Every statement in javascript must be terminated with semicolon (;).
* Most of the javascript control statements syntax is same as syntax of control statements in C language.

**Advantages of Java Script**

* **JavaScript** is a client side language.
* **JavaScript** is an easy language to learn.
* **JavaScript** is comparatively fast for the end user.
* Extended functionality to web pages.
* No compilation needed.
* Easy to debug and test.

**NODE.JS**

* Node.js is an open source server environment
* Node.js is free
* Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
* Node.js uses JavaScript on the server

**Here is how Node.js handles a file request:**

1. Sends the task to the computer's file system.
2. Ready to handle the next request.
3. When the file system has opened and read the file, the server returns the content to the client.
4. Node.js eliminates the waiting, and simply continues with the next request.
5. Node.js runs single-threaded, non-blocking, asynchronously programming, which is very memory efficient.

**Features of NODE.JS**

* Node.js can generate dynamic page content
* Node.js can create, open, read, write, delete, and close files on the server
* Node.js can collect form data
* Node.js can add, delete, modify data in your database

**SYSTEM DESIGN**

**5. SYSTEM DESIGN**

**5.1 DATA FLOW DIAGRAM:**

The Data flow diagram is a graphical tool. It is used to describe and analyses the movement of the data through a system manual or automated. They focus on the data flowing into system between processed and in out of data stores. This is a central tool and the basis from which other components are developed. The system models are termed as Data Flow Diagram. The Data flow Diagram is also known as Data Flow graph or a bubble chart.

**Level 1: Overall DFD**

**Admin** process for track sales and reports

**Buyer** process for buying products via stripe

**N-GELO**

APP

**Seller** process for adding / updating products and track them

**LEVEL 2:**

Track sales

Adding, Updating, deleting products

Login/Register

Payment via stripe

Buy products from cart

Login/Register

Download products

Connecting/ response

Track users/sales

Login/Register

**5.2 DATABASE DESCRIPTION**

**PROJECT DESCRIPTION**

**5.3 PROJECT DESCRIPTION**

Our project entitled as **“E-commerce web app for selling digital products”** will be built using

**Front-End:**

* JavaScript

**Back-End:**

* NodeJS – 14.9.0

**DATABASE:**

* PostgreSQL – 12.4

The main objective of this web app is to helping designers and developers to earn money using their skills by selling short courses, web or mobile code templates, UI and Graphic design kits and so on.

**Our project consist of the following modules:**

* Admin module.
* Buyer module.
* Seller module

**Admin Module:**

**5.4 SCREENSHOT**

**5.5 SOURCE CODE**

CONCLUSION

&

FUTURE ENHANCEMENT

**6. CONCLUSION :**

**FUTURE ENHANCEMENT:**

**BIBLIOGRAPHY**

**&**

**REFERENCES**

**WEB REFERENCE**

[**https://www.w3schools.com/js/DEFAULT.asp**](https://www.w3schools.com/js/DEFAULT.asp)

[**https://www.w3schools.com/nodejs/**](https://www.w3schools.com/nodejs/)

[**https://www.tutorialspoint.com/postgresql/index.html**](https://www.tutorialspoint.com/postgresql/index.html)

[**https://jaxenter.com/tutorial-stripes-a-lean-mean-java-web-framework-104577.html**](https://jaxenter.com/tutorial-stripes-a-lean-mean-java-web-framework-104577.html)