

**502070 – WEB PROGRAMMING WITH NODE.js**

**SELF-ASSESSMENT FORM**

**I. INFORMATION**

* 1. **Group information**
* *Do Minh Quan – 521H0290*
* *Ho Huu An – 521H0489*
* *Tran Nhut Anh – 521H0491*
* *Youtube video url:* [*https://youtu.be/r8ntvqSErPA*](https://youtu.be/r8ntvqSErPA)
* *Drive video url:* [*https://drive.google.com/file/d/13sx005PY2dDAwVHbik4s8k8oIbudfz-T/view?usp=sharing*](https://drive.google.com/file/d/13sx005PY2dDAwVHbik4s8k8oIbudfz-T/view?usp=sharing)
* *Product deployment url:* [*http://hocnodecungcapasa.fun*](http://hocnodecungcapasa.fun)
  1. **Note**

**- List the work of each team member.**

|  |  |
| --- | --- |
| Do Minh Quan – 521H0290 | 1. Account Management:  * Administrator account creation and password management. * Employee account creation and email notifications. * Profile management for all users.  1. Product Catalog Management:  * Product listing display for all users. * Adding, updating, and deleting products (admin only). * Product availability checks for deletion. * Hiding irrelevant features for salespeople. |
| Ho Huu An – 521H0489 | 1. Transaction Processing:  * Product search and barcode scanning. * Dynamic product list update and manipulation. * Checkout process, including entering customer information. * Invoice generation (simulated PDF printing).  1. Reporting and Analytics:  * Sales results by timelines. * Total amount received, number of orders, and number of products. * Chronological order display of orders. * Detailed order information. |
| Tran Nhut Anh – 521H0491 | 1. Customer Management:  * Customer account creation during checkout. * Customer information display and purchase history. * Order details and product prices.  1. Deployment:  * Web deployment of the Point of Sale application. |

**- List login accounts here.**

|  |  |
| --- | --- |
| Admin Account: | Username: admin  Password: admin |
| User Account | Username: hoan0906881769  Password: hohuuan |
| Username: doquan23032003  Password: 123123 |

**- View and run the source code.**

**1.Install Node.js and npm:**

Firstly, install Node.js and npm (Node Package Manager). You can download the installer from the official Node.js website: https://nodejs.org/

**2.Open Terminal or Command Prompt:**

• Open source code in Visual Studio Code

• Clicking` Terminal` on navbar and click `New terminal`

• In terminal interface,using `ls` command to list all the files and folders in the current directory. Ensure that you see source code files and folders listed

• `npm install` to install dependencies

**3.Set up Mysql database:**

Ensure that you Ensure that you have MySQL and Xampp installed on your machine and you need to config information in file `.env`.

Your just need to change 3 row to be suitable for your Mysql information. If you donot change anything, my setting up is default

* DATABASE\_USERNAME="root"
* DATABASE\_PASSWORD=''
* DATABASE\_PORT="3306"

**4.Insert database:** Opening xampp start server Apache and MYSQL you will click button `Admin` in the same row with MYSQL to access to phpMyAdmin. Having 2 ways to insert data

• Click into `SQL` on navbar of phpMyAdmin and copy code in `pos.sql` to paste into it. Click button `GO` to insert.

• Click `Import` on navebar and choose file `pos.sql` in source code and click `import` to insert

**5.Run the application: npm start**

**II. DETAIL SCORE**

Tổng điểm: **9.5**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **STT** | **FUNCTIONALITY** |  | **1** | **2** | **3** |
| **POINT** | **0 PT** | **1/2 PT** | **FULL POINT** |
| **ACCOUNT MANAGEMENT** | | **1.75 pts** | | | |
| 1 | Create an account for a salesperson | 0.25 |  |  | x |
| 2 | Send email automatically after creating new account | 0.25 |  |  | x |
| 3 | The login link is valid for 1 minute | 0.25 |  |  | x |
| 4 | New employees must log in via the link in the email | 0.25 |  |  | x |
| 5 | Login feature | 0.25 |  |  | x |
| 6 | Force creating a new password on first login | 0.25 |  |  | x |
| 7 | For new employees: can only access system functions after creating a new password | 0.25 |  |  | x |
| **USER MANAGEMENT** | |  | | | |
| 8 | Admin: View staff list | 0.25 |  |  | x |
| 9 | Admin: View details of an employee | 0.25 |  |  | x |
| 10 | Admin: Resend a 1 minute login email | 0.25 |  |  | x |
| 11 | Admin: Lock/unlock employee accounts | 0.25 |  |  | x |
| 12 | All employees see their profile information | 0.25 |  |  | x |
| 13 | Update profile picture | 0.25 |  |  | x |
| 14 | Change password | 0.25 |  |  | x |
| **PRODUCT MANAGEMENT** | |  | | | |
| 15 | Admin view product list | 0.25 |  |  | x |
| 16 | Employee view product list | 0.25 |  |  | x |
| 17 | Add a new product | 0.25 |  |  | x |
| 18 | Edit products’ information | 0.25 |  |  | x |
| 19 | Delete a product | 0.25 |  |  | x |
| **CUSTOMER MANAGEMENT** | |  | | | |
| 20 | Customer's account is created automatically on first purchase | 0.25 |  |  | x |
| 21 | View customer's personal information | 0.25 |  |  | x |
| 22 | View customer purchase history | 0.25 |  |  | x |
| 23 | View details of a customer's order | 0.25 |  |  | x |
| **TRANSACTION PROCESSING** | |  | | | |
| 24 | Transaction Processing: displays a list of currently selected products, along with related information | 0.25 |  |  | x |
| 25 | Add a new product to the list by searching by name. | 0.25 |  |  | x |
| 26 | Add a new product to the list by entering the barcode | 0.25 |  |  | x |
| 27 | The overview interface displays the necessary information of the order: product number, total amount, amount given by customer... | 0.25 |  |  | x |
| 28 | Complete payment and show invoice | 0.25 |  |  | x |
| 28 | Update cart information instantly when adding, removing or adjusting the quantity of a product. | 0.25 |  |  | x |
| **REPORTING AND ANALYTICS** | |  | | | |
| 29 | View reports by pre-fixed timelines like: today, yesterday, in 7 days, this month | 0.25 |  |  | x |
| 30 | View reports for a specific period (from-to) | 0.25 |  |  | x |
| 31 | Calculate and display correct aggregate report information: total amount received, number of orders, number of products | 0.25 |  |  | x |
| 32 | Display the correct list of orders corresponding to the selected timeline | 0.25 |  |  | x |
| **OTHER REQUIREMENTS** | |  | | | |
| 33 | User Interface  *(evaluated according to the opinion of the examiner)* | **1.0** |  | x |  |
| 34 | Product deployment/packaging | **0.5** |  |  | x |
| 35 | Video demonstration | **0.5** |  |  | x |